

LET'S BUILD YOUR LEGACY

VES-Artex | 2025 Catalog

NEW!



FANS WITH EC MOTORS
Page 24

NEW!



AGM5 PEAK ARRAY
Page 49

NEW!



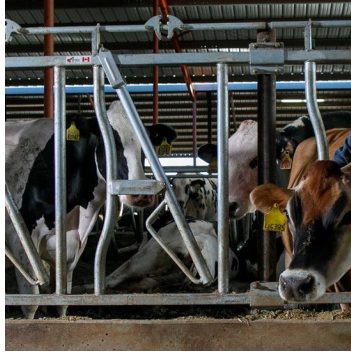
MIGHTY MOO
Page 119



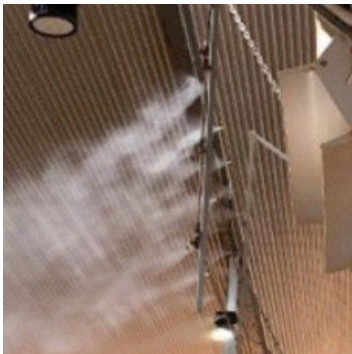
VES-Artex's vision is to empower farmers with the tools, knowledge, and resources they need to sustainably grow, protect, and pass on their legacy—ensuring thriving farms for generations to come.



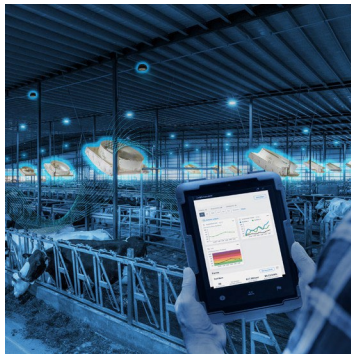
VENTILATION



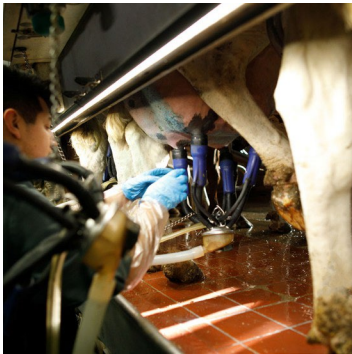
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Chippewa Falls, WI 54729

+1(888)622-2999
info@ves-artex.com



Let's Build Your Legacy.

Leaving a legacy, your mark on the world, is a pursuit we know you're craving to do. We know it, because we crave it too.

Dairy farming has existed for thousands of years, and it will continue to exist as the whole world needs to eat. But farms look a lot different than they did 15, 50, 100 years ago. Each generation finds creative solutions and incorporates technology to propel the industry forward. And that's exactly what we want to do too.

At VES-Artex, we're your partner. Your teammate. Your idea bouncer-off-er. We are here with products, systems, and technology to help you develop your dairy. So, let's do it. Let's build your legacy.

ICONS FEATURED IN THE CATALOG

You will notice in this catalog the addition of a few icons next to select products.



Staff Favorite



Certified Professional Engineer Recommendation



Available to purchase online



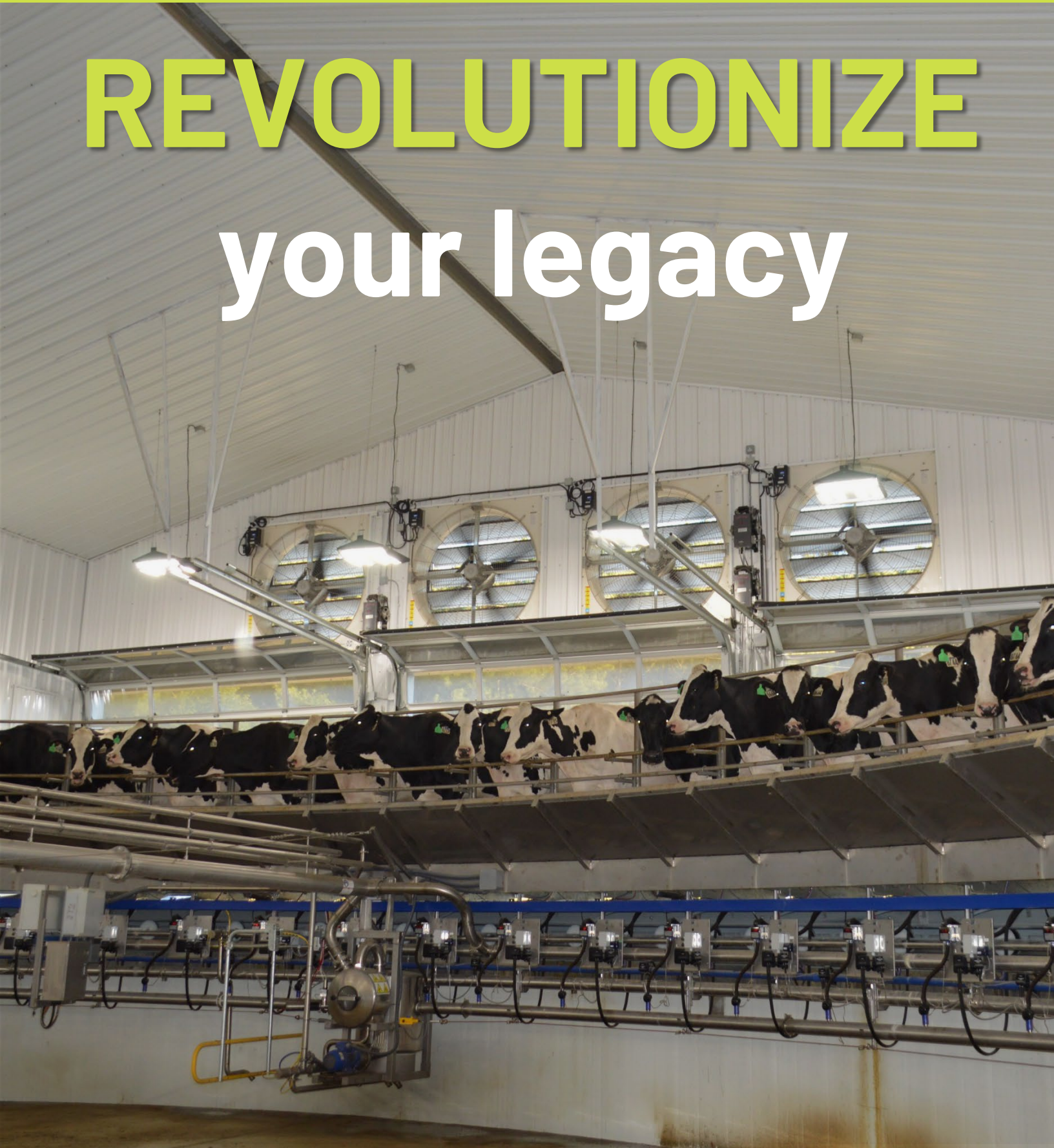
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Ventilation

REVOLUTIONIZE your legacy



Ventilation | The Importance of Ventilation

WHY IS VENTILATION IMPORTANT?

A ventilation system in a dairy barn is about more than just keeping the air fresh. It's a fundamental aspect of maintaining a healthy and comfortable environment for your herd. Ventilation is essential for regulating temperature, humidity, and air quality, which contribute to the well-being of your cows, staff, and ultimately, your farm's profitability.

Ventilation isn't a luxury; it's a strategic investment which significantly impacts a farm's bottom line. Understanding its impact on various aspects of your operation, from reproduction to milk production and animal health, is vital.

BACK TO THE BASICS

Ensuring fresh, clean air at the cow level is essential for your herd's health and productivity. There are three types of fans that are often involved in dairy barn ventilation strategies:



1

INLET FANS

These inlet fans bring in fresh air. Powered inlets can operate independently or with passive inlets such as curtains.



2

CIRCULATION FANS

Positioned strategically to distribute air effectively, ensuring it reaches the cow level. Placement is key, regardless if you are using a panel fan or a fan with directional louvers.



3

EXHAUST FANS

Designed to handle harsh environments, exhaust fans help expel stale air, leaving your cows with a comfortable atmosphere.

Ventilation | The Importance of Ventilation

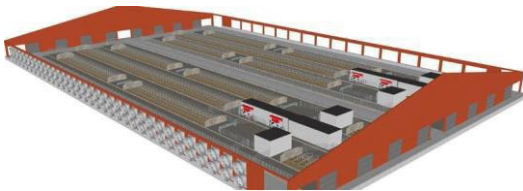
There are three main styles of barn ventilation:

Assisted Natural Ventilation



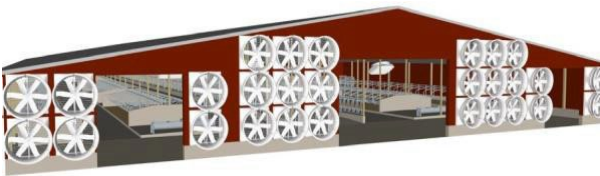
Designed with large open sidewalls and a tall peak to encourage buoyancy in cold weathers, natural ventilated barns are fully dependent on weather, making it hard to achieve consistent cooling airspeed at the cow level. For this reason, we always recommend fans over the stalls.

Cross-Ventilation



The most scalable solution available, cross-ventilated barns reduce the footprint of your farmstead. Cross-ventilation performs very well in the summer, and some use baffles to create airspeed, which can present some challenges in cold temperatures. This has led to the use of power baffles and retractable baffles in newer barn designs.

Tunnel Ventilation



The most common mechanical ventilation strategy, especially for retrofitting barns, is a tunnel ventilation strategy. Previously designed for high ventilation rates, we have been designing tunnel barns with lower air exchange assisted with circulation fans to minimize pressures and maximize cooling - a design philosophy currently recommended by the Dairyland Initiative.

VES-Artex follows the industry standards of air exchange rates to ensure each facility is appropriately ventilated. These standards are posted below:

Minimum Ventilation Targets

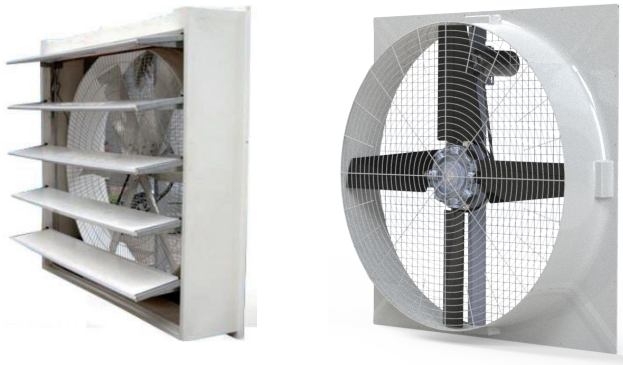
	Adult Cows	Calves
Summer Air Exchange Rate	40 – 60 exchanges per hour	40 exchanges per hour
Winter Air Exchange Rate	4 – 8 exchanges per hour	4 – 8 exchanges per hour
Air Speed at the Cow Level	200 – 400 ft/minute (61 – 122 m/second)	< 60 ft/minute (18 m/minute)

*Calf Note: Avoid creating drafts which is any air moving above 60 ft/minute (18 m/minute) in cold climates.

INLET FANS

Also referred to as Positive Pressure Fans (PPF)

VES-Artex inlet fans are designed to inject fresh air into barns, parlors, or holding areas. They are also great additions to facilities where passive inlets do not provide enough air flow. Inlet fans help reduce static pressure by forcing air into the barn. With a fiberglass housing, robust blades, and powerful motors, these fans are constructed to withstand several years of consistent use in dairy facilities.



Automate Usage

All inlet fans are capable of operating at variable speeds and can be connected to an overarching control system to automate usage.

Cooling Power

Pair inlet fans with a high-pressure fogging system to decrease the temperature of the air being pushed to the herd.

WARRANTY

- » 10 years on housings and guards
- » 10 years on poly blades
- » 5 years on steel blades
- » 2 years on motors
- » 1 year on Tie Bar Shutter
- » 1 year on PPF box (Actuator motor included)

Belt Drive Sizes	Direct Drive Sizes
55", & 72"	36", 55", & 72"

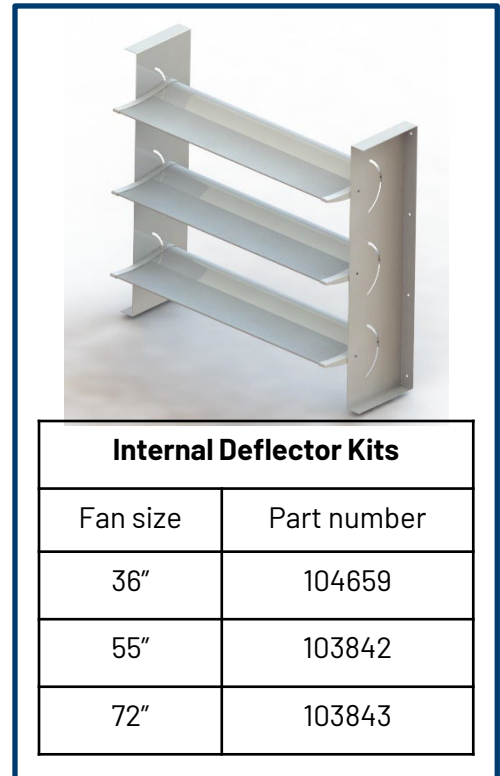


INLET FANS

Also referred to as Positive Pressure Fans (PPF)

Fan Size	Part Number	Description	Blade Type	Motor Type	Hertz	Revolutions Per Minute	Phase	Voltage	Full Load Amps	Horsepower	Air Flow Rate		Fan Efficiency	
					Hz	RPM	Ph	V	A	Hp	Imperial	Metric	Imperial	Metric
											CFM @ 0"SP	m³/hr @ 0" SP	CFM/W	(m³/hr)/W
Belt Drive														
55"	101284	PPFS55	Aluminum	AC	50/60	1440/1760	3	208-230/460	4.8-4.4/2.2	1.5	21841	37108	24.7	42
72"	104346	PPFS72	Poly	AC	50/60	1465/1750	3	208-230/460	9.3-9.2/4.6	3	40119	68163	17.86	30.3
Direct Drive														
36"	101296	PPFV36	G. Steel	AC	60	825	3	230/460	3.05/1.5	0.75	11070	18808	16.7	28.4
36"	105309	PPFV36	G. Steel	EC	50/60	1150	1	220/277	6.2/5.6	0.9	13370	22716	18.4	31.3
55"	118013	PPFD55	Poly	PM	50/60	500/600	3	400/460	2.6/2.2	2	32287	54856	23.0	39.1
55"	118015	PPFD55	Poly	PM	50/60	500/600	3	200/230	5.6/4.8	2	25100	42645	16.4	27.9
72"	118001	PPFD72	Poly	PM	50/60	500/600	3	400/460	5.6/4.8	4	45849	77898	14.4	24.5
72"	118003	PPFD72	Poly	PM	50/60	500/600	3	200/230	11.2/9.6	4	In testing queue, please call for data			

All fans tested to AMCA standards
 All fans tested without an actuated shutter kit
 G. Steel = Galvanized Steel



Inlet Rough Openings		
Fan Size	Rough Opening Width and Height	
	Inch	Cm
36"	40	101.50
55"	60.25	153.03
72"	78.50	199



LOUVERED CIRCULATION FANS

Also referred to as Effective Cooling Velocity Fans (ECV)



Louvered Circulation fans are the nucleus of VES- Artex's ventilation strategy. Powerful, dependable motors generate impressive air speed which is directed to the cows by the louvers. Positioning the fresh air right at the cow level helps mitigate heat stress while encouraging lying time, milk production, pregnancy rates, and overall cow health.

Each louvered circulation fan is constructed with a corrosion-resistant fiberglass housing, either aluminum or reinforced polypropylene balanced blades, and robust hardware. All are available with UL Listed and CE certified 50 or 60 Hz motors.

Automate Usage

All inlet fans are capable of operating at variable speeds and can be connected to an overarching control system to automate usage.

Cooling Power

Pair with a high-pressure fogging system to decrease the air being pushed to the herd.



Warranty

- » 10 years on housings, guards, and deflectors
- » 10 years on poly blades
- » 5 years on steel blades
- » 1 year on 36" blades
- » 2 years on motors

Belt Drive Sizes	Direct Drive Sizes
55" & 72"	36", 55", & 72"



LOUVERED CIRCULATION FANS

Also referred to as Effective Cooling Velocity Fans (ECV)

Fan Size	Part Number	Description	Blade Type	Motor Type	Hertz	Revolutions Per Minute	Phase	Voltage	Full Load Amps	Horsepower	Thrust	Air Flow Rate		Fan Efficiency		
													Imperial	Metric	Imperial	Metric
					Hz	RPM	Ph	V	A	Hp	lbf/kW	Thrust CFM	Thrust m³/hr	Thrust CFM/W	Thrust (m³/hr)/W	
Belt Drive																
55"	104986	ECVCS55 BD	Aluminum	AC	50/60	1725/1425	1	115/230	15/7.5	1.5	22.8	22200	37718	27	45.9	
55"	104980	ECVCS55 BD	Aluminum	AC	50/60	1440/1760	3	208-230/460	4.8-4.4/2.2	1.5	26	22500	38228	30.6	52.0	
72"	104338	ECVCS72 BD	Poly	AC	50/60	1465/1750	3	208-230/460	9.3-9.2/4.6	3	21.9	45083	76597	21.2	36.0	
72'	115177	ECVCS72 BD SS*	Poly	AC	50/60	1465/1750	3	208-230/460	9.3-9.2/4.6	3	21.9	45083	76597	21.2	36.0	
Direct Drive																
36"	101194	ECVV36	G. Steel	AC	60	825	3	230/460	3.05/1.5	0.75	15.8	11610	19726	15.4	26.2	
36"	105293	ECVV36	G. Steel	EC	50/60	1150	1	220/277	6.2/5.6	0.9	19.2	12400	21068	17.5	29.7	
55"	118005	ECVD55	Poly	PM	50/60	500/600	3	400/460	2.6/2.2	2	25.5	32900	55897	20.3	34.5	
55"	118007	ECVD55	Poly	PM	50/60	500/600	3	200/230	5.6/4.8	2	24.9	31800	54029	20.6	35.0	
72"	117997	ECVD72	Poly	PM	50/60	500/600	3	400/460	5.6/4.8	4	22.8	52934	89935	18.8	31.9	
72"	117999	ECVD72	Poly	PM	50/60	500/600	3	200/230	11.2/9.6	4	In testing queue, please call for data					

All fans tested to AMCA standards

G. Steel = Galvanized Steel

*SS refers to stainless steel framing



GOAL POST MOUNT
PART NUMBER: 109315



CHAIN AND QUICK LINK HANGING KIT FOR ECV/ECVCS 72"
PART NUMBER: 104394

Leverage a louvered fan in the back of the barn, holding area, parlor, robot milking area, and transfer lanes to mitigate heat stress.

PANEL CIRCULATION FANS

Also referred to as Blast Fans (BLT)



VES-Artex Panel Circulation fans are efficient with belt-drive and direct-drive motors. Our fans can provide exceptional air speed which helps control insects, dry bedding, mitigate heat stress, and encourage milk production. Fans can be mounted to posts or suspended from the ceiling.

Panel fans are strategically constructed with high-grade corrosion-resistant fiberglass housing with a thick layer of UV protectant to prolong the fan's life. The motors are CSA/CSA-US, IP66 rated and available in 50 and 60 Hz. All panel circulation fans are variable speed and can be connected to an overarching control system to automate usage.



Cooling Power

Pair with a high-pressure fogging system to decrease the temperature of the air being pushed to the herd.

Warranty

- » 10 years on housings and guards
- » 10 years on poly blades
- » 5 years on steel blades
- » 2 years on motors



Belt Drive Sizes	Direct Drive Sizes
50", 55", & 72"	50", 55", 72", & 84"

PANEL CIRCULATION FANS

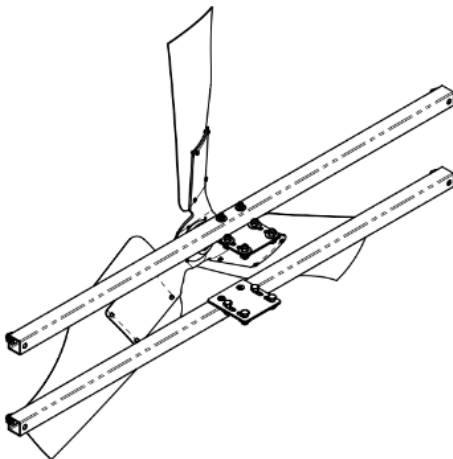
Also referred to as Blast Fans (BLT)

Fan Size	Part Number	Description	Blade Type	Motor Type	Hertz	Revolutions Per Minute	Phase	Voltage	Full Load Amps	Horsepower	Thrust	Air Flow Rate		Fan Efficiency	
					Hz	RPM	Ph	V	A	Hp	lbf/kW	Imperial	Metric	Imperial	Metric
					Thrust CFM	Thrust m³/hr	Thrust CFM/W	Thrust (m³/hr)/W							
Belt Drive															
50"	101262	BLT50 BD	Aluminum	AC	50/60	1425/1725	1	115	13.3	1.5	16.7	21500	36529	16.1	27.4
50"	101262	BLT50 BD	Aluminum	AC	50/60	1425/1725	1	230	6.7	1.5	17.1	21520	36563	16.5	28.0
50"	119152	BLT50 BD	G. Steel	AC	50/60	1425/1725	1	230	6.7	1.5	In testing queue, please call for data.				
50"	101272	BLT50 BD	Aluminum	AC	50/60	1440/1760	3	208/230	4.8/4.4	1.5	17.5	21300	36189	17.0	28.9
50"	101272	BLT50 BD	Aluminum	AC	50/60	1440/1760	3	460	2.2	1.5	18.9	22000	37378	17.8	30.2
50"	119157	BLT50 BD	G. Steel	AC	50/60	1440/1760	3	460	2.2	1.5	In testing queue, please call for data.				
55"	118919	BLT55 BD	G. Steel	AC	50/60	1450/1750	1	115/208-230/220	16.5/9.5-8.1/9.5	2	19.9	27200	46213	19.3	32.8
55"	118432	BLT55 BD	G. Steel	AC	50/60	460/1750	3	208-230/460	5.7-5.5/2.8	2	20.6	27800	47233	19.5	33.1
72"	101278	BLT72 BD	Poly	AC	50/60	1465/1750	3	208-230/460	9.3-9.2/4.6	3	In testing queue, please call for data.				
Direct Drive															
50"	118371	BLT50 EC	G. Steel	EC	50/60	600	1	230	8.4	1.5	22	23900	40606	20	34.0
50"	115308	BLT50 EC HE	G. Steel	EC	50/60	600	1	230	8.4	1.5	27.7	19600	33301	30.8	52.3
50"	118349	BLT50 EC	G. Steel	EC	60	650	3	460	2.4	1.5	21.9	24500	41626	19.4	33.0
50"	115309	BLT50 EC HE	G. Steel	EC	50/60	650	3	460	2.4	1.5	27.7	19700	33471	30.5	51.8
55"	118687	BLT55 EC	G. Steel	EC	50/60	600	3	460	4.8	3	21.5	30600	51990	18.6	31.6
55"	118431	BLT55 DD	G. Steel	PM	50/60	500/600	3	400/460	2.6/2.2	2	21.4	30600	51990	18.4	31.3
55"	119355	BLT55 DD	G. Steel	PM	50/60	500/600	3	200/230	5.6/4.8	2	In testing queue, please call for data.				
72"	118436	BLT72 DD	Poly	PM	50/60	500/600	3	400/460	5.6/4.8	4	In testing queue, please call for data.				
72"	118882	BLT72 DD	Poly	PM	50/60	500/600	3	200/230	11.2/9.6	4	In testing queue, please call for data.				
84"	118641	BLT84 DD	Poly	PM	50/60	500/600	3	400/460	5.6/4.8	4	In testing queue, please call for data.				

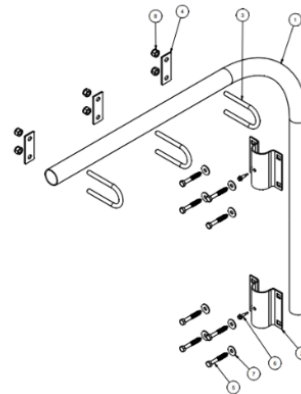
All fans tested to AMCA standards

G. Steel = Galvanized Steel

All 50" and 55" fans were tested at BESS Labs



117989: Fan, 50" Blast, Retrofit Conversion Kit, Belt Drive to Direct Drive (No Motor)



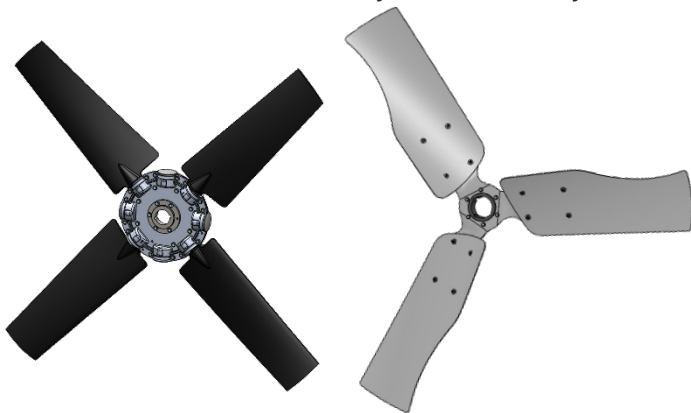
Refer to Appendix B, starting on page 25 for Mounting bracket information

EXHAUST FANS

Also referred to as Air Flow Ratio (AFR) Fans



Keeping the air clean without excessive moisture in a barn is essential. The exhaust fans pull fresh air through the barn from the inlet opening and expel it on the endwall. Our exhaust fans are capable of performing through various static pressures (0.0 - 0.3"H2O). Constructed with a robust fiberglass housing, reinforced blades, and OSHA compliant safety guards, these fans are built to endure harsh environments in every ventilation layout.



Exhaust fans are designed with either poly or galvanized steel blades.

Warranty

- » 10 years on housings, guards, and deflectors
- » 10 years on poly blades
- » 5 years on steel blades
- » 1 year on blades for 12" to 36" size fans
- » 2 years on motors

Automate Usage

All exhaust fans are capable of operating at variable speed and can be connected to an overarching control system to automate usage.

Belt Drive Sizes	Direct Drive Sizes
55" & 72"	12", 16", 20", 24", 36", 55", & 72"

Exhaust fans with **belt drive motors** feature an automatic belt tensioner and an adjustment bracket for easy alignment.

Exhaust fans with **direct drive motors** are fully enclosed with sealed bearings. All motors are UL Listed and CE certified.



EXHAUST FANS

Fan Size	Part Number	Description	Blade Type	Motor Type	Hertz	Revolutions Per Minute	Phase	Voltage	Full Load Amps	Horsepower	Air Flow Rate		Fan Efficiency	
											Imperial	Metric	Imperial	Metric
					Hz	RPM	Ph	V	A	Hp	CFM@ 0"SP	m ³ /hr @ 0" SP	CFM/W	(m ³ /hr)/ W
Belt Drive														
55"	101174	AFRS55	Aluminum	AC	50/60	1425/1725	1	115/230	13.3/6.7	1.5	In testing queue, please call for data.			
55"	119436	AFRS55	G. Steel	AC	50/60	1425/1725	1	115/230	13.3/6.7	1.5	25873	43959	23.8	40.4
55"	101175	AFRS55	Aluminum	AC	50/60	1440/1760	3	208-230/460	4.8-4.4/2.2	1.5	25059	42575	31.1	52.8
55"	119425	AFRS55	G. Steel	AC	50/60	1440/1760	3	208-230/460	4.8-4.4/2.2	1.5	27345	46459	26.3	44.7
55"	101157	AFR55	Aluminum	AC	50/60	1440/1760	3	208-230/460	4.8-4.4/2.2	1.5	20040	34048	20.9	35.5
55"	119427	AFR55	G. Steel	AC	50/60	1440/1760	3	208-230/460	4.8-4.4/2.2	1.5	In testing queue, please call for data.			
55"	101156	AFR55	Aluminum	AC	50/60	1425/1725	1	115/230	13.3/6.7	1.5	In testing queue, please call for data.			
55"	119429	AFR55	G. Steel	AC	50/60	1425/1725	1	115/230	13.3/6.7	1.5	In testing queue, please call for data.			
55"	119430	AFR55	G. Steel	AC	50/60	1425/1725	1	115/230	13.3/6.7	1.5	In testing queue, please call for data.			
72"	101180	AFRS72	Aluminum	AC	50/60	1465/1750	3	208-230/460	8.4-8/4	3	37642	63954	24.8	42.1
72"	118447	AFRS72	Poly	AC	50/60	1465/1750	3	208-230/460	8.4-8/4	3	37803	64228	17.7	30.1
72"	101162	AFR72	Aluminum	AC	50/60	1465/1750	3	208-230/460	8.4-8/4	3	37850	64308	26.5	45.0
72"	118446	AFR72	Poly	PM	50/60	1465/1750	3	208-230/460	8.4-8/4	3	42592	72364	21.3	36.2
Direct Drive														
36"	105295	AFRV36	G. Steel	EC	50/60	1150	1	220/277	6.2/5.6	0.9	13670	23200	19.5	33.1
36"	118401	AFRV36 No Shutter	G. Steel	EC	50/60	1150	1	220/277	6.2/5.6	0.9	14510	24653	23.9	40.6
36"	118939	AFRV36	G. Steel	EC	50/60	1150	3	380/480	1.25/0.99	0.9	10500	17840	29.6	50.3
36"	101170	AFRV36	G. Steel	AC	60	825	3	230/460	3.05/1.5	0.75	9650	16395	19.3	32.8
36"	118402	AFRV36 No Shutter	G. Steel	AC	60	825	3	230/460	3.05/1.5	0.75	In testing queue, please call for data.			
55"	118009	AFRD55	Poly	PM	50/60	500/600	3	400/460	2.6/2.2	2	29100	49441	22.6	38.4
55"	118011	AFRD55	Poly	PM	50/60	500/600	3	200/230	5.6/4.8	2	29200	49611	22.7	38.6
72"	117993	AFRV72	Poly	PM	50/60	500/600	3	400/460	5.6/4.8	4	48808	82925	18.9	32.1
72"	117995	AFRV72	Poly	PM	50/60	500/600	3	200/230	11.2/9.6	4	In testing queue, please call for data.			
72"	118435	AFR72	Poly	PM	50/60	500/600	3	400/460	5.6/4.8	4	47739	81109	16.8	28.5
72"	115344	AFR72	Poly	PM	50/60	500/600	3	200/230	11.2/9.6	4	In testing queue, please call for data.			

All fans were tested with a PVC shutter unless otherwise noted
 All fans were tested to AMCA standards
 G. Steel = galvanized steel



EXHAUST FANS – Roller Shutter

The Roller Shutter improves operational efficiency by reducing air flow obstructions. In winter months, it creates a consistent comfortable environment without the need for winter covers.

The VES-Artex Roller Shutter is available for 55" Exhaust fans and 72" Exhaust fan in the V-housing.

Part Numbers

55" Roller Shutter: 119011

Compatible with all 55" exhaust fans.

72" Roller Shutter: 117836

Compatible only with AFRV72 (118126)



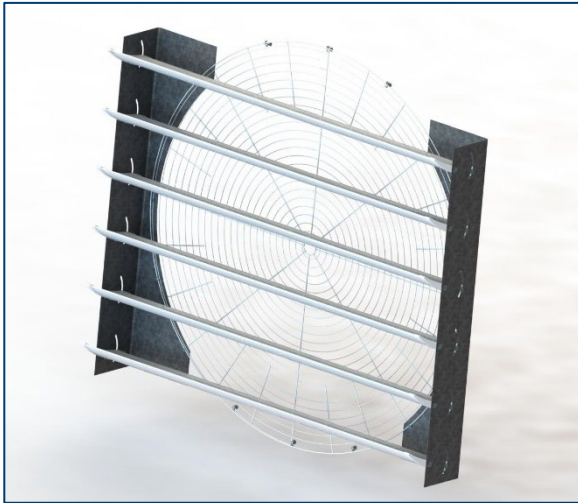
Fan Size	Part Number	Description	Blade Type	Motor Type	Hertz	Revolutions Per Minute	Phase	Voltage	Full Load Amps	Horsepower	Air Flow Rate		Fan Efficiency	
					Hz	RPM	Ph	V	A	Hp	Imperial	Metric	Imperial	Metric
					Hz	RPM	Ph	V	A	Hp	CFM@ 0"SP	m³/hr @ 0" SP	CFM/W	(m³/hr)/ W
Belt Drive														
55"	119437	AFRS55 - No Shutter	G. Steel	AC	50/60	1425/1725	1	115/230	13.3/6.7	1.5	29403	49956	29.5	50.1
55"	119426	AFRS55 - No Shutter	G. Steel	AC	50/60	1440/1760	3	208-230/460	4.8-4.4/2.2	1.5	30746	52238	34.2	58.1
55"	119428	AFR55 - No Shutter	G. Steel	AC	50/60	1440/1760	3	208-230/460	4.8-4.4/2.2	1.5	In testing queue, please call for data.			
55"	119430	AFR55 - No Shutter	G. Steel	AC	50/60	1425/1725	1	115/230	13.3/6.7	1.5	In testing queue, please call for data.			
Direct Drive														
55"	118403	AFRD55 - No Shutter	Poly	PM	50/60	500/600	3	400/460	2.6/2.2	2	32900	55897	27.4	46.6
55"	119558	AFRD55 - No Shutter	Poly	PM	50/60	500/600	3	200/230	5.6/4.8	2	32500	55218	27	45.9
72" 	118126	AFRV72 - No Shutter	Poly	PM	50/60	500/600	3	400/460	5.6/4.8	4	52841	89777	21.2	35.9
72"	118127	AFRV72 - No Shutter	Poly	PM	50/60	500/600	3	200/230	11.2/9.6	4	In testing queue, please call for data.			

G. Steel = galvanized steel

EXHAUST FANS

External Deflector Kit

Part Number: 101549 for 72" AFRS
Part Number: 105472 for 72" AFRV



Winter Covers

Part Number: 108661 for 55" AFR
Part Number: 108663 for 72" AFR



Exhaust Rough Openings				
Fan Size	Part Number	Housing Type	Rough Opening Width and Height	
			Inch	Cm
12"	101132	FRP Housing	20	50.8
16"	101134	FRP Housing	23-3/4	60.3
20"	101138	FRP Housing	27-3/4	70.5
24"	101140	FRP Housing	31-3/4	80.65
24"	101142	FRP Housing	31-3/4	80.65
36" with 3 phase motor	101145	FRP Housing	43-3/4	111
36" with single phase motor	101146	FRP Housing	43-3/4	111
36" with EC motor	105295	V Housing	40	101.5
36" with AC motor	101170	V Housing	40	101.5
55"	101157	FRP Housing	59-1/2	151
55"	101175	S Housing	59-3/4	151
55"	118009	S Housing	59-3/4	151
55"	118011	S Housing	59-3/4	151
72"	101162	FRP Housing	78	198
72"	101180	S Housing	78	198
72"	117993	V Housing	83	211
72"	118126	V Housing	83	211
72"	117995	V Housing	83	211

CEILING FANS



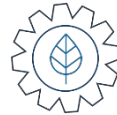
Moisture Resistant, Forward/Reverse, Matte Black

VES-Artex offers two styles of commercial and industrial grade ceiling fans. Our **moisture-resistant** style fan is designed for damp locations with a certified GFI electrical branch. This style is available in both 56" and 60" diameters in white and matte black. The downrod is 18" (0.46m) long.

Our second ceiling fan style is **Plug & Play** because it is connected to an electrical cord. It is available in white with a 56" and 60" diameter. The downrod for this fan is 24" (0.61m).



Outdoor Rated Plug & Play, White



Connect the fans to an overarching control system to automate their usage year-round.



Ideally used in facilities with ceiling heights ranging from 10' to 30' (3m to 9m).



Both styles utilize a J-hook for installation and polymer blades.

Ceiling Fan Controls



117905
F/R, 5 Speed,
controls up
to 4 DC
ceiling fans.



103421
F/R, Variable
Speed,
controls up
to 3 AC
ceiling fans.



103419
Variable
Speed,
controls up
to 3 AC
ceiling fans.



103416
Variable
Speed,
controls up
to 10 AC
ceiling fans.



All controls are available to purchase online.

CEILING FANS

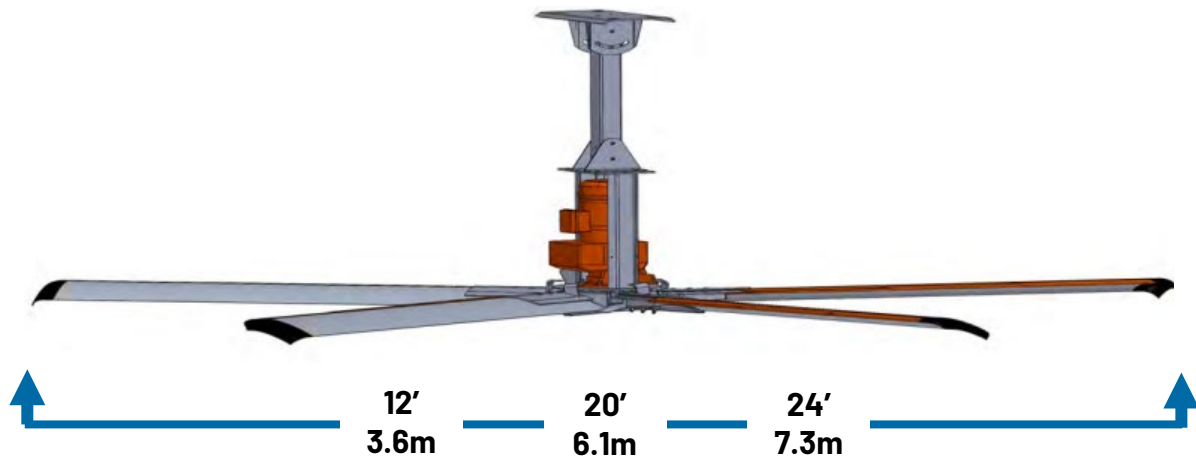
Item Number	Description	Motor Type	External Downrod Length	CFM	Wires
 117698	56" Moisture Resistant F/R 120V, 60Hz (White)	DC	24"	8,168	3
 117699	56" Moisture Resistant F/R 120V, 60Hz (Matte Black)	DC	24"	8,168	3
 102601	56" Moisture Resistant F/R 120V, 60Hz (White)	AC	18"	5,344	4
 102602	56" Moisture Resistant F/R 120V, 60Hz (Matte Black)	AC	18"	5,344	4
 102605	60" Moisture Resistant F/R 120V, 60Hz (White)	AC	18"	5,797	4
 102606	60" Moisture Resistant F/R 120V, 60Hz (Matte Black)	AC	18"	5,797	4
 117700	60" Moisture Resistant F/R 120V, 60Hz (White)	DC	24"	8,738	3
 117701	60" Moisture Resistant F/R 120V, 60Hz (Matte Black)	DC	24"	8,738	3
 118149	56" Outdoor Rated, Plug & Play 120V, 60Hz (White)	DC	30"	8,168	Not applicable
 117702	60" Outdoor Rated, Plug & Play 120V, 60Hz (White)	DC	30"	8,738	Not applicable

GUIDELINES FOR SELECTING A CEILING FAN

Ceiling Height (ft)	Fan Floor Area Coverage (sqft)	Fan Diameter	Recommended Fan
10' - 20'	600 - 1,200	56"	102601 102602 117698 117699 118149
20' +	1,200+	60"	117700 117701 117702

Note: OSHA guidelines require the lowest moving component of a fan must be at least 7' above the ground.

High-Volume Low-Speed (HVLS) Fan



The VividAir Z-Tech HVLS fan from VES-Artex is a robust fan ideal for parlors, holding areas, calf pens, warehouses, product assembly areas, and equipment storage facilities. The high-volume produced at low speeds destratify air at a comfortable rate for everyone to enjoy. Constructed with high-grade steel, extruded anodized aluminum blades, and a steel safety ring means these HVLS fans are built to endure harsh agricultural environments for years.

Part Number	Product Description
118567	Fan, HVLS, 24ft Z-Tech Fan, 5-Blade, 460V, 3PH, 50/60 Hz, 2.0HP, 3.5A, 55 RPM, VFD Not Included
118569	Fan, HVLS, 24ft Z-Tech3 Fan, 3-Blade, 460V, 3PH, 50/60 Hz, 1.5HP, 2.0A, 51 RPM, VFD Not Included
118571	Fan, HVLS, 20ft Z-Tech Fan, 5-Blade, 460V, 3PH, 50/60 Hz, 2.0HP, 3.5A, 66 RPM, VFD Not Included
119536	Fan, HVLS, 12ft Z-Tech Fan, 5-Blade, 460V, 3PH, 50/60 Hz, 2.0HP, 2.65A, 100 RPM, VFD Not Included
119552	Fan, HVLS, 12ft Z-Tech3 Fan, 3-Blade, 460V, 3PH, 50/60 Hz, 1.5HP, 2.0A, 90 RPM, VFD Not Included
119553	Fan, HVLS, 12ft ConZumer Fan, 3-Blade, 100/120V, 1PH, 50/60, 1.0HP, 12A, 90RPM, VFD Not Included

Mounting Style: Universal I-Beam Clamp

Down rod length: 1' (0.3m)

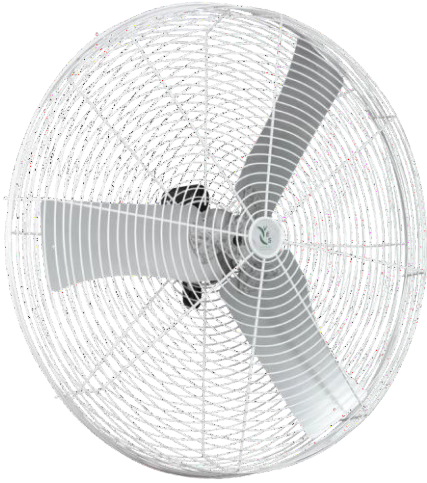
Each purchase includes 4 safety straps with a total strength of 16,000lbs

REQUIRED FOR OPERATION

- Stainless steel safety ring and 4 safety straps
- VFD controller, sold separately



HIGH-VELOCITY BASKET FAN



VES-Artex High-Velocity Basket Fans are powerful and efficient circulation fans. They are constructed with high-grade steel, are zinc plated, and are powder-coated which makes them corrosion-resistant and durable for harsh agricultural environments.

Equipped with sealed motors and 1/3 horsepower, these basket fans have the power to push the maximum air velocity to the coverage area. The silicon steel rotors which are well balanced to reduce noise vibration and prolong the fan's life.

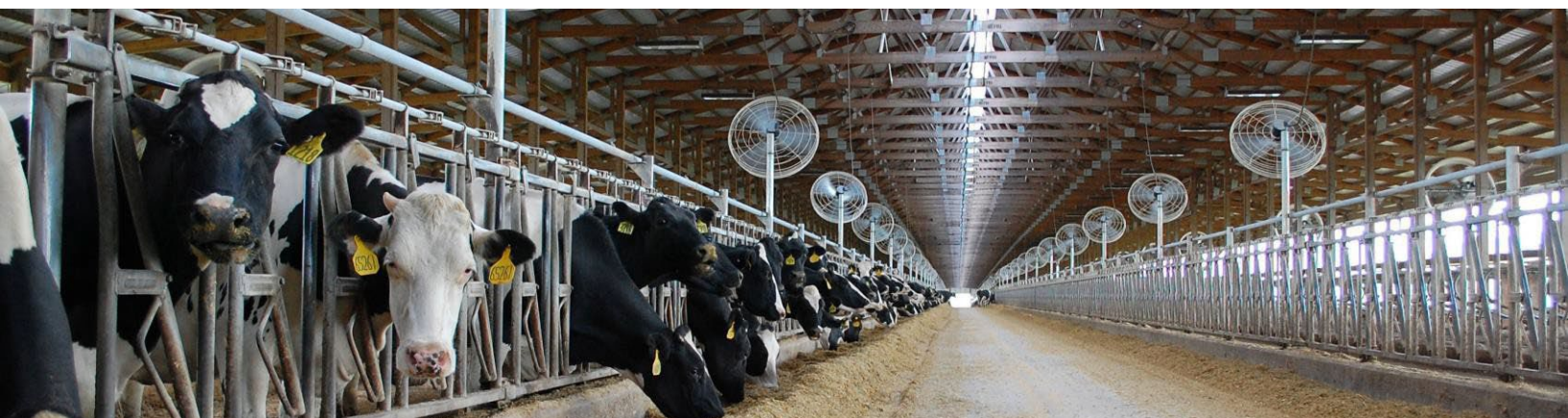
Basket fans are excellent supplemental fans to a ventilation strategy in hallways, milking parlors, entrances, and offices.

Robust, rugged, and dependable, high-velocity basket fans satisfy a barn's need for additional air flow.

Fan Size	Part Number	Description	Hertz	Phase	Voltage	Horsepower	Full Load Amps	Revolutions Per Minute	Airflow
			Hz	Ph	V	Hp	A	RPM	CFM
12"	101241	12" High Velocity Basket Fan w/ cord	60	1	115/230	1/10	1.3	1725	In testing queue
20"	101243	20" High Velocity Basket Fan w/ cord	50/60	1	115/230	1/3	4.91/2.4 4.43/2.16	1450/1725	3560
36"	101253	36" High Velocity Basket Fan	50/60	3	190/380 230/460	1/2- 1/3	2.4/1.2 2.6/1.3	715/825	9430
36"	101254	36" High Velocity Basket Fan	60	1	115/230	1/2	6.1/3.09	825	9230



All high-velocity fans are available to purchase online.



MOISTURE RESISTANT BASKET FANS



CLOSED GUARD STYLE

102576



CLOSED GUARD STYLE

102578



OPEN GUARD STYLE

102577

VES-Artex's plug-and-play 18" moisture resistant basket fans are great for use in harsh agricultural, horticultural, and industrial environments. The totally enclosed direct drive motor, sealed bearings, heavy-duty metal construction with powder-coating, and moisture resistant rubber gaskets for the switch and wiring connections ensures the fan's longevity. This model is approved for outdoor use with a GFI outlet.

The moisture resistant basket fans are quite versatile; use it in a gym, garage, workshop, barn, or greenhouse to provide powerful air velocity right where it's needed. Easily control the three- speed fan with the attached pull chain or connect it to a pluggable thermostat control to automate its operation.



The attached adjustable wall and ceiling mount bracket pivots up to 140°.



Each fan is connected to a 9' (2.7 m) power cord.



The closed guard models are OSHA compliant and available in two colors: black and white. The open guard style is not OSHA compliant.

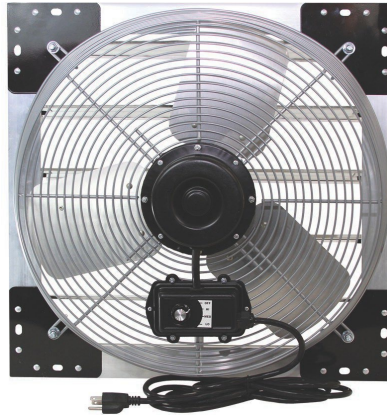


Fan Size	Part Number	Description	Hertz	Voltage	Horsepower
			Hz	V	Hp
18"	 102576	18" Moisture Resistant Basket Fan w/cord, White	60	120	1/10
 18"	 102578	18" Moisture Resistant Basket Fan w/cord, Black	60	120	1/10
18"	 102577	18" Moisture Resistant Basket Fan w/cord, Black, Open Guard	60	120	1/10

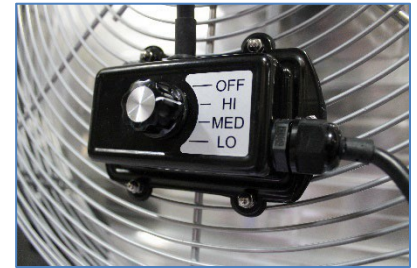
ALUMINUM SHUTTER EXHAUST FAN



EXHAUST SIDE



INTAKE SIDE



3-SPEED CONTROL



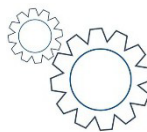
The VES-Artex Shutter Exhaust Fan is a robust, durable, and effective exhaust fan. It is ideal for factories, warehouses, garages, attics, agricultural, and horticultural applications.

Construction highlights include corrosion-resistant shutters, a shutter tie bar which reduces shutter flapping and unnecessary opening, a fully enclosed CSA/CSA-US approved motor, and balanced silicon steel rotators which reduce noise vibration. The bearings are designed to handle temperatures from -40°F to 284°F. The motor seal, switch, and wiring connections have a moisture-resistant rubber gasket. Motor enclosures have been machined to <.05 mm to reduce motor shaft play. All motors are single phase.

Available as a single or three-speed model, each shutter exhaust fan comes fully assembled and connected to a 9 ft. (2.7 m) power cord which means an electrician is not needed for installation; simply plug the fan in and turn it on.



The intake safety grill is OSHA compliant. These fans must be mounted 7' (2.1m) above the ground level on the exhaust side.



The single-speed fan operates at *high* speed or *off* while the three-speed fan operates at *low*, *medium*, and *high* speed.

ALUMINUM SHUTTER EXHAUST FAN

Fan Size	Part #	Speed	Hz	Voltage	HP	Amps	RPM	CFM at 0.0 Static Pressure	CFM at 0.1 Static Pressure
						Hi/Med/Low	Hi/Med/Low	Hi/Med/Low	Hi/Med/Low
12"	101298	3	60	115	1/10	0.9/0.7/0.6	1672/1585/1470	1000/940/880	800/750/570
16"	101301	3	60	115	1/10	1.1/0.9/0.7	1650/1565/1454	1950/1890/1170	1560/1890/1170
20"	101303	3	60	115	1/4	2.4/1.6/1.1	1570/1260/944	4251/3246/1620	3400/2596/1296
24"	101305	3	60	115	1/4	2.8/1.8/1.3	1564/1242/903	4874/3596/1881	3899/2876/1504
12"	101308	1	60	115	1/10	In testing queue, please call for data			
16"	101310	1	60	115	1/10	In testing queue, please call for data			
20"	119433	1	60	115	1/3	In testing queue, please call for data			
24"	119434	1	60	115	1/3	In testing queue, please call for data			

Fan Size	Rough Opening	
	inch	cm
12"	12.5" x 12.5"	31.75 x 31.75
16"	16.5" x 16.5"	41.91 x 41.91
20"	20.5" x 20.5"	52.07 x 52.07
24"	24.5" x 24.5"	62.23 x 62.23



3 speed fan is available in matte black for 20" and 24".
20" part number: 115200
24" part number: 115210



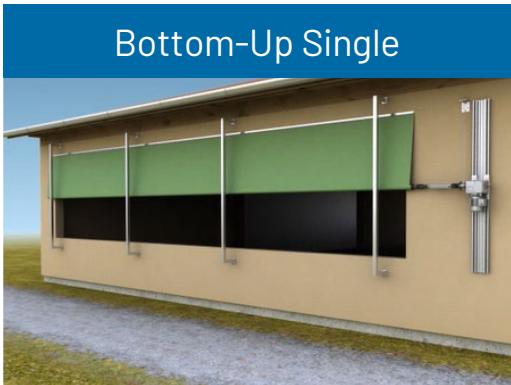
All shutter fans are available to purchase online

ROLLED CURTAINS

When working with Mother Nature to control the environment in your facility, it's important to take control when and where you can. VES-Artex curtains allow you to effectively control not only the amount of air you let in and out of your barn, but where, when, and how it moves. Made from a clear poly material, VES-Artex curtains provide protection against the elements.

All configurations are built from the same durable materials. The corrosion-resistant aluminum roll tubes, roll tube splices, and top support keder strips ensure the system's longevity. The aluminum extrusion tube and telescoping arm work together to keep the curtain rolling straight and tight, even after years of use. The direct drive motor and curtain rolling system has sealed internal limit switches. Both power and manual drives are self-braking and the drive can be fixed or climbing and set in any orientation.

Bottom-Up Single



Bottom-Up Double



BOTTOM-UP OPENING (ROLL UP) CONFIGURATION

This system can operate up to 500' (152.4 m) of curtain, rolling 250' (76.2m) from each side of the power drive. The maximum recommended material height is 8' (2.4 m). The double rolling option covers a greater opening height. With this configuration, the two pieces of curtain material wraps around a central tube. The same 250' (76.2 m) of curtain per side of the power drive applies to this configuration.

Top-Down Single



Top-Down Double



TOP-DOWN OPENING (ROLL DOWN) CONFIGURATION

This system can operate up to 500' (152.4 m) of curtain, rolling 250' (76.2 m) from each side of the power drive. The maximum recommended material height is 8' (2.4 m). The double rolling option covers a greater opening height. With this configuration, a long telescoping arm wraps two pieces of curtain material around a central tube. The system can operate up to 330' (100.6 m) of curtain, with 165' (50.3 m) per side of the power drive.

Fans with EC Motors



EC motors, or electronically commutated motors, are electric motors that use permanent magnets and electronics to convert alternating current (AC) into direct current (DC). They are also known as brushless DC (BLDC) motors or permanently excited synchronous motors (PSM).

HOW THEY WORK

- EC motors have permanent magnets in their rotor.
- The motor's control electronics supply voltage to the stator windings in an alternating pattern.
- This creates a magnetic field that moves radially, which drives the rotor.
- The electronics monitor the rotor's position and rotate the motor in the desired direction and speed.

ADVANTAGES

- Efficient: EC motors are synchronous, which means they have higher efficiency over a wide speed range.
- Energy efficient: EC motors are more efficient than AC motors and save energy.
- Low maintenance: EC motors require less maintenance.
- Precise speed control: EC motors have built-in speed control electronics (VFD's)

Fan Size	Part Number	Description	Blade Type	Motor Type	Hertz	Revolutions Per Minute	Phase	Voltage	Full Load Amps	Horsepower	Air Flow Rate		Fan Efficiency	
					Hz	RPM	Ph	V	A	Hp	Imperial CFM @ 0"SP	Metric m ³ /hr @ 0"SP	Imperial CFM/W	Metric (m ³ /hr)/W
36"	105309	PPFV36	G. Steel	EC	50/60	1150	1	220/277	6.2/5.6	0.9	13370	22716	18.4	31.3
36"	105293	ECV36	G. Steel	EC	50/60	1150	1	220/277	6.2/5.6	0.9	12400	21068	17.5	29.7
50"	118371	BLT50 EC	G. Steel	EC	50/60	600	1	230	8.4	1.5	23900	40606	20	34.0
50"	118349	BLT50 EC	G. Steel	EC	60	650	3	460	2.4	1.5	24500	41626	19.4	33.0
50"	115308	BLT50 EC HE	G. Steel	EC	50/60	600	1	230	8.4	1.5	19600	33301	30.8	52.3
50"	115309	BLT50 EC HE	G. Steel	EC	50/60	650	3	460	2.4	1.5	19700	33471	30.5	51.8
55"	118687	BLT55 EC	G. Steel	EC	50/60	600	3	460	4.8	3	30600	51990	18.6	31.6
36"	118401	AFRV36 No Shutter	G. Steel	EC	50/60	1150	1	220/277	6.2/5.6	0.9	14510	24653	23.9	40.6
36"	105295	AFRV36	G. Steel	EC	50/60	1150	1	220/277	6.2/5.6	0.9	13670	23225	19.5	33.1
36"	118939	AFRV36	G. Steel	EC	50/60	1150	3	380/480	1.25/0.99	0.9	10500	17840	29.6	50.3

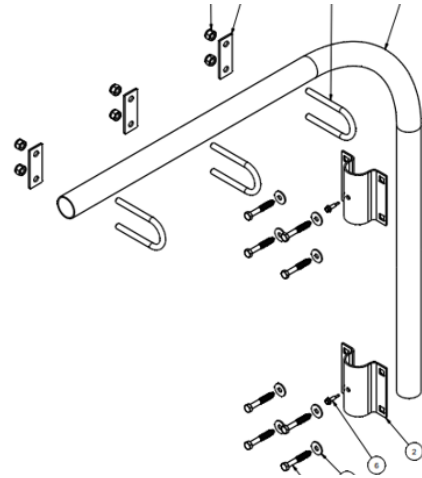
Mounting Brackets for Panel Circulation Fans

104017

Post Mount, Single, Blast Fan 36, 50, & 55" Single Post Mount, Wood Column (FB1008-S)

Fan Mounting Pipe Diameter: 1-5/8" (42mm)

Post Mount Size: Wood Column

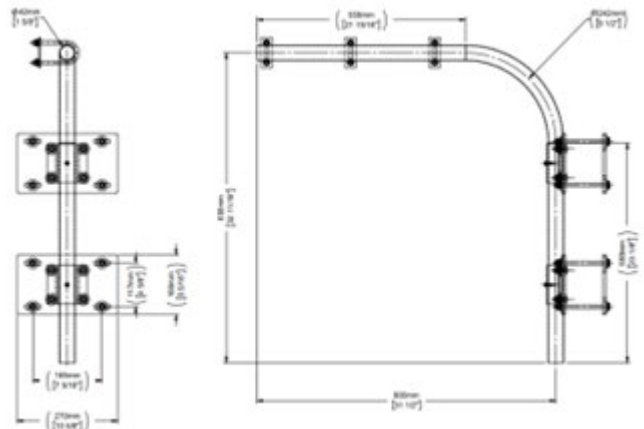


104019

Post Mount, Single, Blast Fan 36, 50, & 55" Single Post Mount, Steel Post w/Hardware (FB1009-S)

Fan Mounting Pipe Diameter: 1-5/8" (42mm)

Post Mount Size: 5-1/2" (140mm) – 8-1/4" (210mm) Steel Column or I-Beam

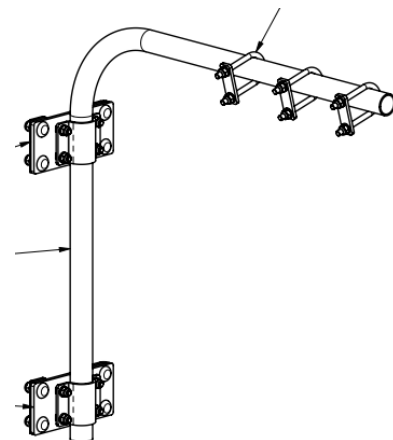


105968

Post Mount, Single, Breeze & Blast Fan 36, 50 & 55" Single Post Mount for 5-7/8" (150mm) I-Beam (A-34946)

Fan Mounting Pipe Diameter: 1-5/8" (42mm)

Post Mount Size: 5-7/8" (150mm) I-Beam



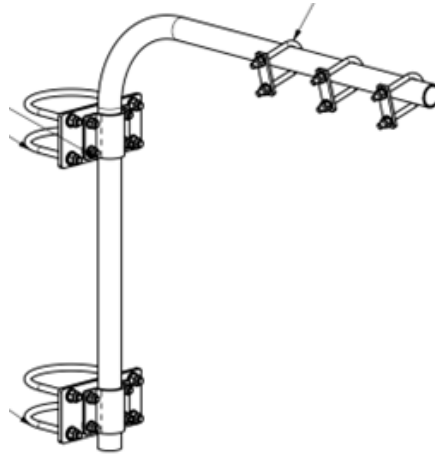
Mounting Brackets for Panel Circulation Fans

108856

Post Mount, Single, Breeze & Blast Fan 36, 50 & 55"
Single Post Mount for 5-1/2" (140mm) OD Post (A-94490)

Fan Mounting Pipe Diameter: 1-5/8" (42mm)

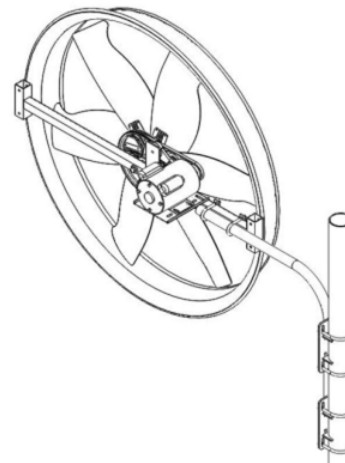
Post Mount Size: 5-1/2" (140mm) OD Post



117181

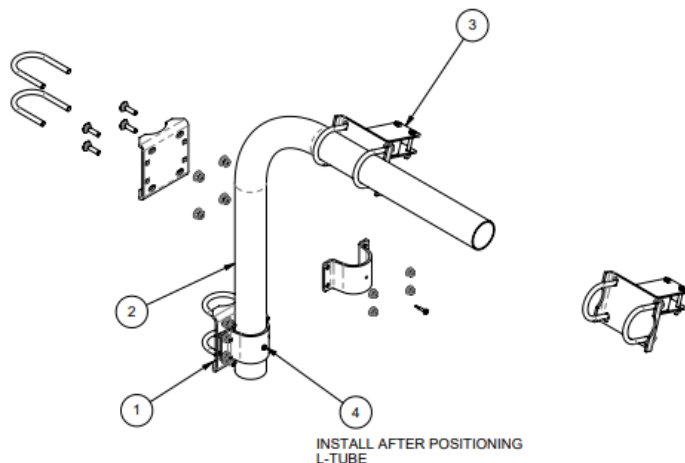
Post Mount, Single, Blast Fan 36, 50, & 55" Single Post
Mount for 4" OD Post

Post Mount Size: 4" (102mm) OD Post



119329

Post Mount, Single, Blast Fan 36, 50 &
55" Single Post Mount for 2 7/8" (73mm)
OD Post
Post Mount Size: 2-7/8" (73mm) OD
Post



Mounting Brackets for Panel Circulation Fans

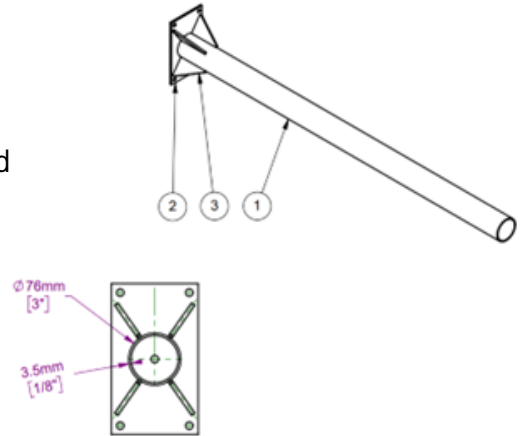
118680

Post Mount, Single, Blast Fan 36, 50 & 55" Single
Horizontal Post Mount for I-beam, Wood Column or Weld
On, 3" (76mm) OD Mounting Pipe

Fan Mounting Pipe Diameter: 3" (76mm) - #1 in drawing

Post Mount Size: Wood Column OR Weld On Column

Need to add brackets: 118307 OR 118296



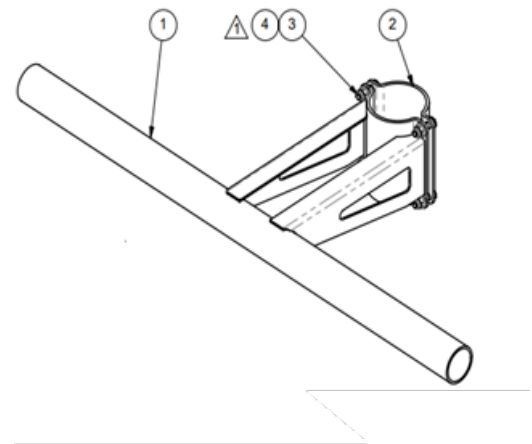
108179

Post Mount, Single, Blast/Breeze Fan 50" & 55", Single
Post Mount 2-7/8" (73mm) OD Mounting Pipe for 4-1/2"
(114mm) OD Post

Fan Mounting Pipe Diameter: 2-7/8" (73mm) - #1 in
drawing

Post Mount Size: 4-1/2" (114mm) OD Post

Need to add brackets: 118307 OR 118296



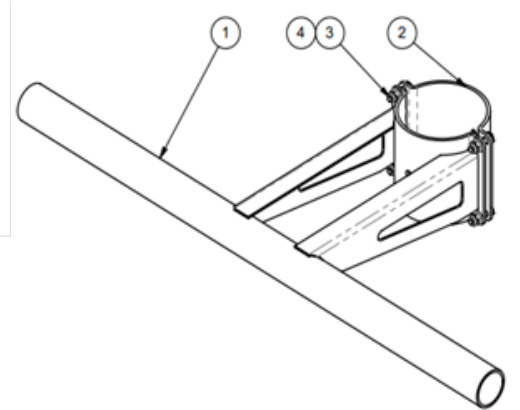
118742

Post Mount, Single, Blast/Breeze Fan 50" & 55", Single
Post Mount 2-7/8" (73mm) OD Mounting Pipe for 6-5/8"
(168mm) OD Post

Fan Mounting Pipe Diameter: 2-7/8" (73mm) - #1 in
drawing

Post Mount Size: 6-5/8" (168mm) OD Post

Need to add brackets: 118307 OR 118296



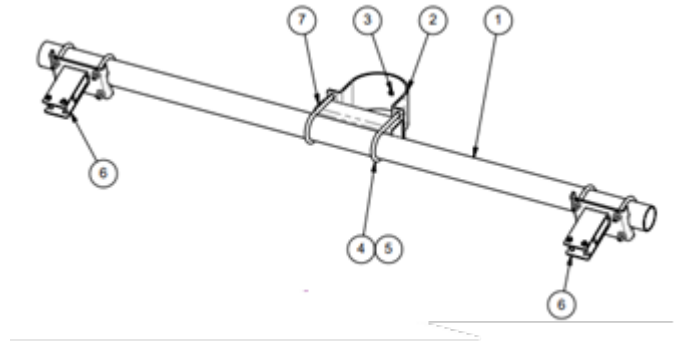
Mounting Brackets for Panel Circulation Fans

118684

Post Mount, Single, Blast Fan 50 & 55", Single
Post Mount 3" (76mm) OD for 6-5/8" (168mm)
OD Post

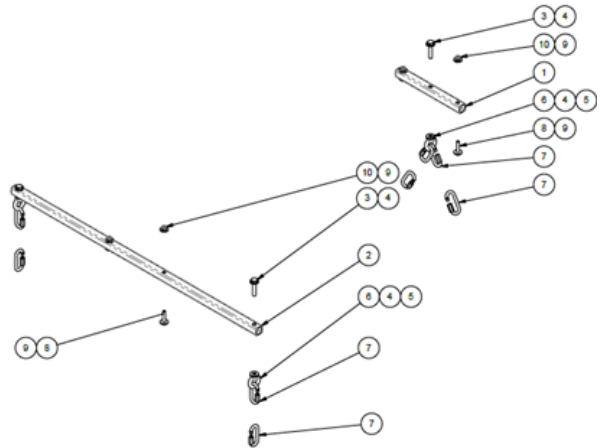
Fan Mounting Pipe Diameter: 3" (76mm)

Post Mount Size: 6-5/8" (168mm) OD Post



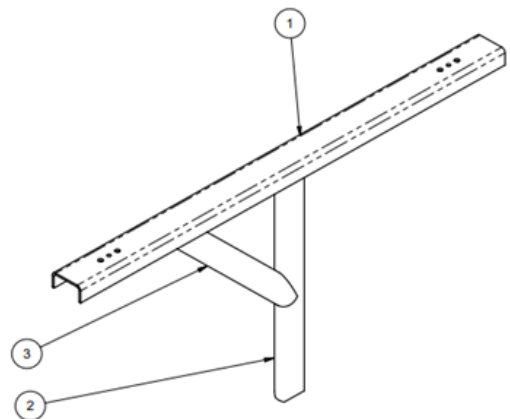
117974

Chain Mounting Kit for 50" Blast
Fan 40' (12.2m)



118390

Truss Mount, Single, Blast Fan 50", Single Truss Mount

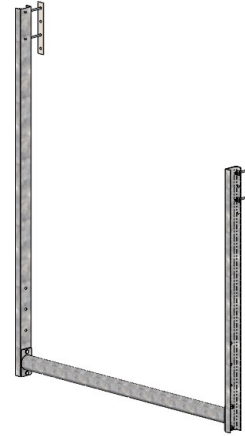


Mounting Brackets for Panel Circulation Fans

119134

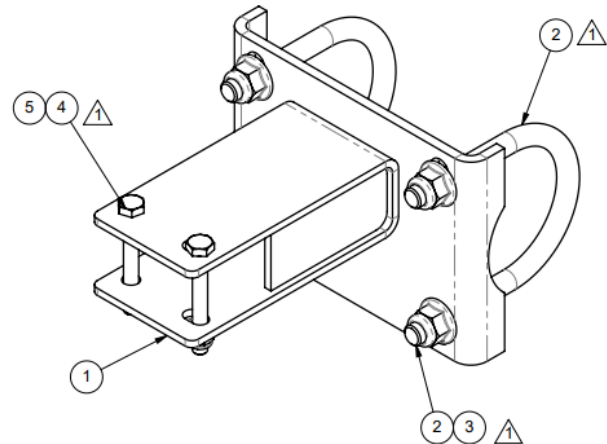
Truss Mount, Single, Blast Fan 36", 50", 55"
Single Truss Mount, No Brackets

Need to add brackets: 118307 OR 118296



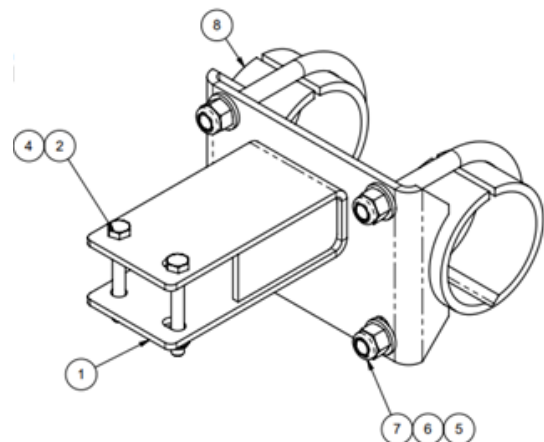
118296

Bracket, Blast Fan Mounting, 2-7/8"-3" (73-76mm) for 1-5/8" x 1-5/8" (40mm x 40mm) Fan Tube



118307

Bracket, 36", 50", & 55" Blast & Breeze Fan
Mounting Bracket on 2-7/8"-3" (73-76mm) OD
Pipe for 1-5/8" x 1-5/8" (40mm x 40mm) Fan
Tube w/ Nylon Insulator

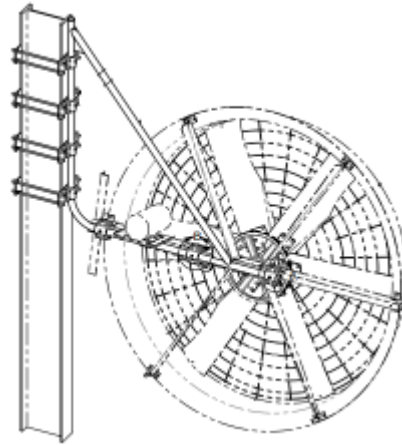


Mounting Brackets for Panel Circulation Fans

118827

Post Mount, 72" Blast Fan Belt Drive, L, Square Post, 4"-7" (102mm-175mm)

Post Mount Size: 4"-7" (102mm-175mm) Wood or Steel Column or I-Beam

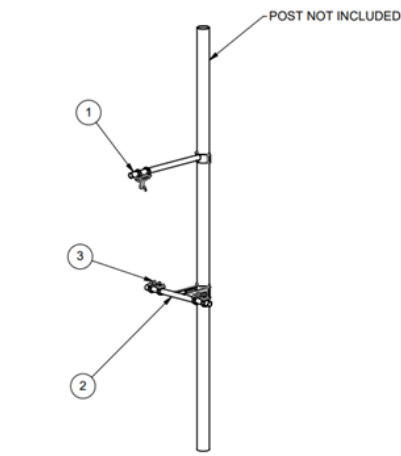


118582

Post Mount, Single, Blast Fan 72" & 84" DD, Single Post Mount for 6-5/8" (168mm) OD Post (1-9/16"x1-9/16" (40x40 mm) Support Frame)

Post Mount Size: 6-5/8" (168mm) OD Post

Need to add bracket: 118614 (72" Blast DD) or 118860 (84" Blast DD)

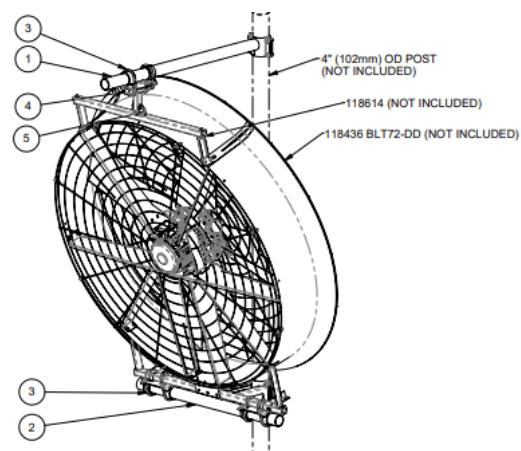


118738

Fan Post Mount 3 Points Support, 4" (102mm) OD Post, 72-84" BLT Fan (1-9/16x1-9/16 (40x40 mm) Support Frame)

Post Mount Size: 4" (102mm) OD Post

Need to add bracket: 118614 (72" Blast DD) or 118860 (84" Blast DD)



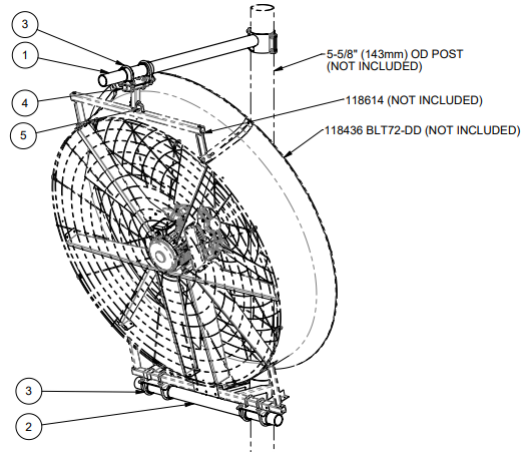
Mounting Brackets for Panel Circulation Fans

118739

Fan Post Mount 3 Points Support,
5-5/8" (143mm) OD Post, 72-84"
BLT Fan (1-9/16x1-9/16 (40x40
mm) Support Frame)

Post Mount Size: 5-5/8" (143mm)
OD Post

Need to add bracket: 118614 (72"
Blast DD) or 118860 (84" Blast DD)

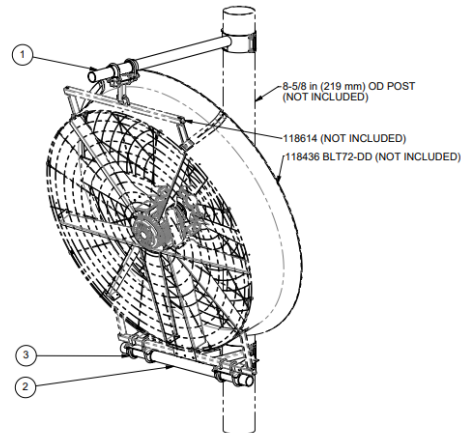


118828

Post Mount, Single, Blast Fan 72" & 84" DD,
Single Post Mount for 8-5/8" (219mm) OD Post

Post Mount Size: 8-5/8" (219mm) OD Post

Need to add bracket: 118614 (72" Blast DD) or
118860 (84" Blast DD)

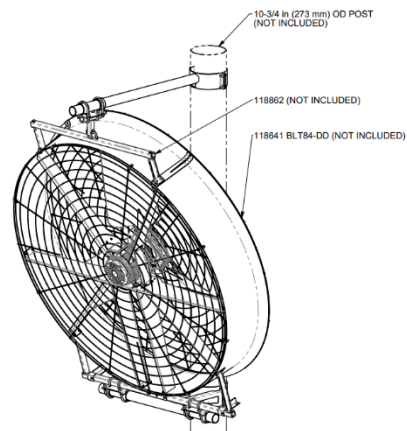


118840

Post Mount, Single, Blast Fan 72" & 84" DD,
Single Post Mount for 10-3/4" (273mm) OD
Post

Post Mount Size: 10-3/4" (273mm) OD Post

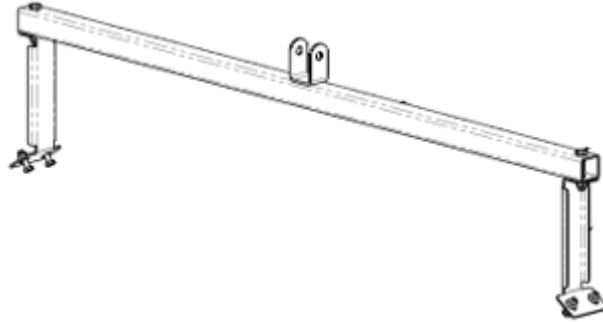
Need to add bracket: 118614 (72" Blast DD) or
118860 (84" Blast DD)



Mounting Brackets for Panel Circulation Fans

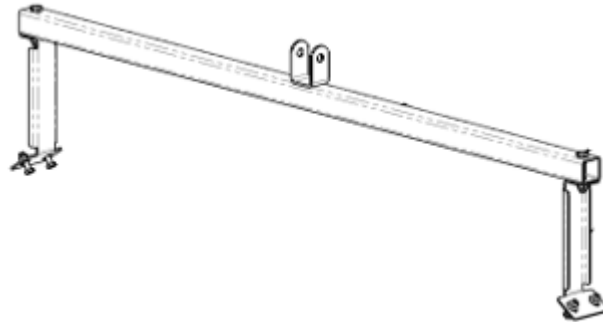
118614

Bracket, Blast Fan Mounting,
Blast Fan 72" DD, Top Mounting
Bracket for Part No 118582,
118738, 118739, 118828 & 118840



118860

Bracket, Blast Fan Mounting,
Blast Fan 84" DD, Top Mounting
Bracket for Part No. 118582,
118738, 118739, 118828 & 118840



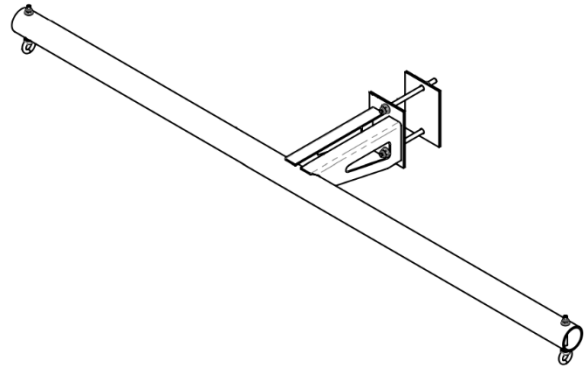
Mounting Brackets for ECV Circulation Fans

119448

Bracket, ECVC Bottom Fan Mount, Wood Post

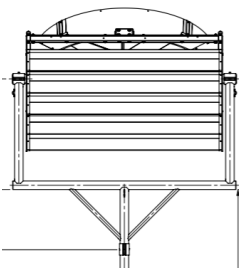
Post Mount Size: 10-3/4" (273mm) OD Post

Need to add bracket: 118614 (72" Blast DD or 118860 (84" Blast DD)



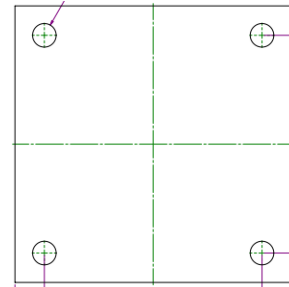
109315

Post Mount, Single, 72" ECV Goal Post Mount (not including post)



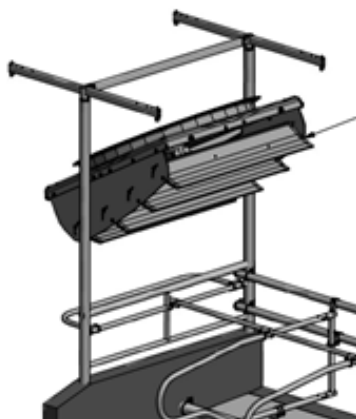
119021

Hanger Plate for ECV, Purlin Attachment Plate



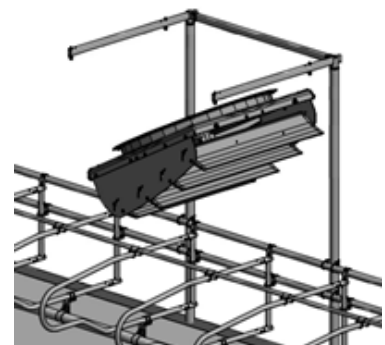
107982

Post Mount, 72" ECV Fan Hanger (Not Including Post)



107983

Post Mount, 72" ECV Fan Hanger - Offset (Not Including Post)



Cooling

BOOST your legacy



Cooling: **BOOST** your legacy



Cooling
on our
website!



Heat stress affects every animal on your farm, some more than others. It causes cumulative, long-lasting effects which can compromise milk production, reproductive health, and the future success of calves. VES-Artex provides the expertise needed to develop effective cooling strategies for every animal in your herd

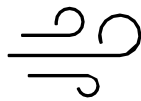
Effective cow cooling:

- » Prevents seasonal milk drop
- » Prevents drop in dry matter intake
- » Improves lying rates
- » Prevents bunching
- » Increases conception rates
- » Increases birth weights
- » Increases growth rates
- » Reduces respiration rates

The Four Foundations of Cow Cooling



SHADE



Air Velocity



Water



Time



Providing dairy cows with an optimal level of cooling, reduces the total cost of heat stress and its mitigation by an average of 43% across the U.S.

- St-Pierre, N. R., B. Cobanov, and G. Schnitkey. 2003.
[https://doi.org/10.3168/jds.S0022-0302\(03\)74040-5](https://doi.org/10.3168/jds.S0022-0302(03)74040-5)

Cooling Research Conclusions

Cows that are cooled during the dry period produce significantly more milk beginning at day 70 and continue to do so throughout the remainder of lactation.

- do Amaral Et Al., 2009.

<https://doi.org/10.3168/jds.2009-3004>

Reproductive losses can occur even with the body temperatures of less than 39°C or 102.2°F, over that, conception rates can drop as much as 30%.

- Hansen, P.J., 2007.

<https://doi.org/10.3168/jds.2008-1370>

Heifer calves from uncooled dry cows have lower pre-pubertal growth rates, poorer reproductive performance, and produce less milk in their first lactation than heifers that are from cooled dry cows.

- Dahl Et Al., 2015.

<https://doi.org/10.3168/jds.2016-11072>

Birth weights of cows cooled during the dry period were increased approximately 13 lbs compared to cows from uncooled cows.

- Tao Et Al., 2011.

<https://doi.org/10.3168/jds.2012-5697>



High-Pressure Fogging

High-Pressure Fogging (HPF) systems provide additional cow cooling along with ventilation. Combining micron-sized droplets with high air velocity cools the air which is being directed to the cows. Because the water droplets are so incredibly small, they evaporate before getting the cows or beds wet. Our systems are designed by evaluating your local climate psychrometrics and ensuring the air can handle additional water. Our controls will stop fogging if exhaust humidity is above 80%.

Fogging systems can be installed as distribution lines along curtain inlets and/or inlet fans, as distribution rings on inlet fans, or on the louvers of circulation fans. They cannot be installed on exhaust fans.



High-pressure fogging systems help mitigate heat stress which can increase milk production, dry matter intake, and pregnancy rates.



Work with our team of experts to decide if you should install HPF on inlet fans, circulation fans, or both to maximize your cooling.



High-pressure fogging can be an alternative to soaking because it uses less water.



Connect HPF systems to a control infrastructure to automate its operation.



Cooling | High-Pressure Fogging

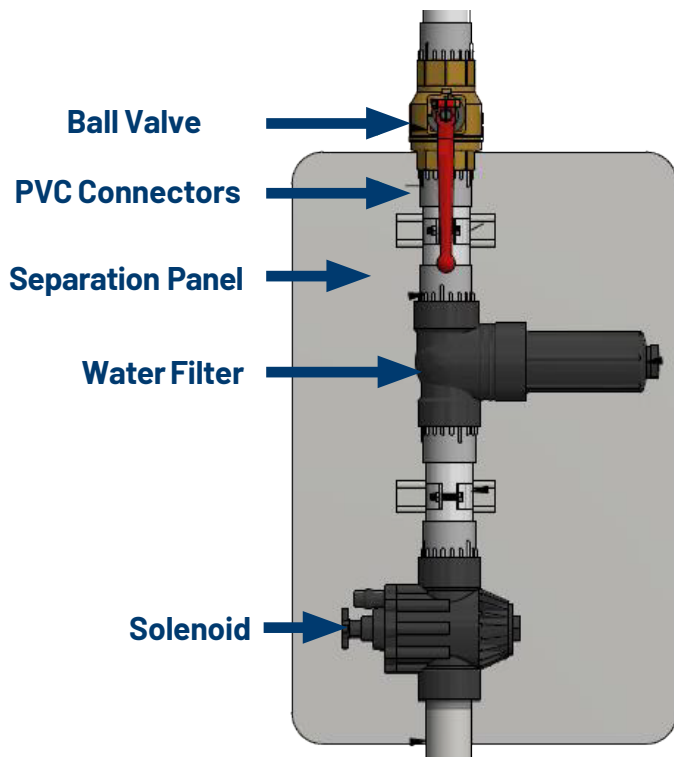
Thumbnail	Part#	Description	Size		For Fan	Flow Rating		Pressure Rating	
			inch	mm		GPM	LPM	PSI	Bar
	108476	Fogging Ring	24	610	36" Panel	0.36	1.36	1000	68.95
	108392	Fogging Ring	36	914	50/55" Panel	0.36	1.36		
	118019	Fogging Ring	53	1350	72" Panel	0.54	2.04		
	108506	Fogging Kit	NA	NA	55" Louvered	0.18	0.68		
	108505	Fogging Kit			72" Louvered	0.36	1.36		
	108393	Fogging Kit			72" Louvered	0.54	2.04		

Thumbnail	Part #	Description	Material	Size		Flow Rating		Pressure Rating	
				Inch	mm	Gallon per Minute	Liter per Minute	PSI	Bar
	102915	Nozzle, Check Valve	Stainless Steel	.012	0.3	0.03	0.12	1,000	69

Thumbnail	Part #	Description	Material	Size		Length	
				Inch	mm	Feet	Meters
	102825	Tube, 3/8" Black Nylon, 250' Coil	Nylon	3/8"	9.5	250'	76.2
	118894	Tube, 3/8" Black Nylon, purchase by the foot	Nylon	3/8"	9.5	Purchase by the foot	

Please contact your VES-Artex representative to learn more or to create a High-Pressure Fogging system for your facility.

Feedlane Soaking



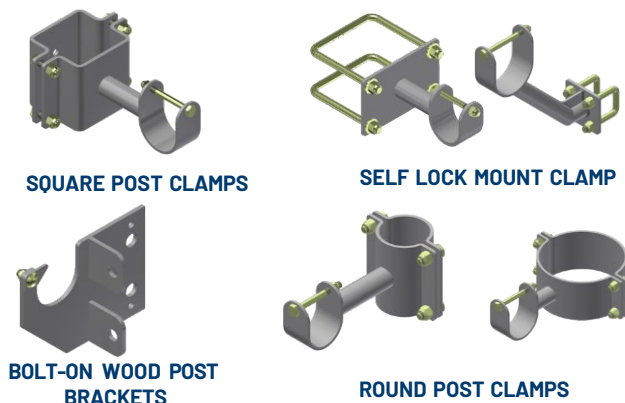
Feedlane soaking is a critical component of any cooling strategy. VES-Artex soaker lines use low-pressure, large-droplet water soakers, which allows water to penetrate a cow's hair and wet her back while keeping her udder dry. The water on the cow's back is then exposed to high airspeed which evaporates the water and cools the cows. Soaking the herd at the feedlane provides each cow the opportunity to be cooled. The spray nozzles are positioned behind the headlocks to ensure the water does not soak the feed, only the cow.

Soaking cows mitigates heat stress which encourages dry matter intake, higher reproduction rates, and increased milk production.

Available VES-Artex Soaking Systems come with:

- » Inlet connector with solenoid, water filter and ball valve
- » Galvanized water pipe with pipe connectors
- » Anti Drip Nozzles spaced every 5' (1.5 m) along pipe
- » Soaker pipe mount bracket
- » Environmental controller which adjusts soaking system cycle based on temperature

AVAILABLE BRACKET STYLES



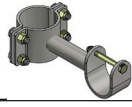
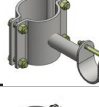
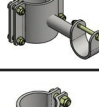
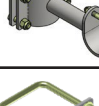
Available Soaker Pipe Diameters	Available Soaker Pipe Lengths
2 3/8" (60mm)	5' (1.52m)
2 7/8" (73mm)	10' (3.05m)
3" (89mm)	20' (6.1m)



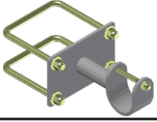
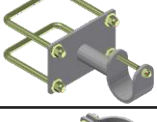
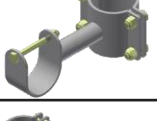
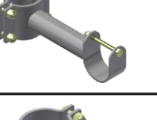
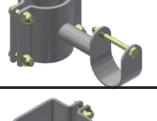
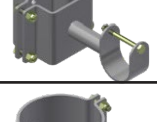
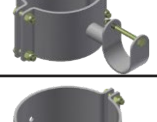
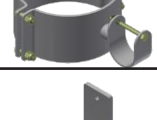
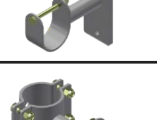
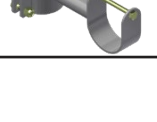
Cooling | Feedlane Soaking

Soaking pipe

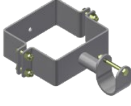
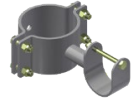
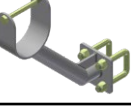
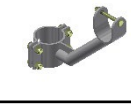
Part #	Catalog Description	Outside Diameter OD		Wall thickness		Length		Type
		inch	mm	inch	mm	ft	m	
107507	Soaker Pipe – 2-3/8" (60mm) OD x 5' (1.52M) Length	2-3/8	60	3/16	4	5	1.52	1 hole
107106	Soaker Pipe – 2-3/8" (60mm) OD x 10' (3.05M) Length	2-3/8	60	3/16	4	10	3.05	2 holes
107458	Soaker Pipe – 2-3/8" (60mm) OD x 3/16" (4mm) Wall x 19' (5.79m) Length w/57" (1.45m) Threaded Hole Spacing	2-3/8	60	3/16	4	19	5.79	4 holes
105863	Soaker Pipe – 2-3/8" (60mm) OD x 20' (6.1M) Length	2-3/8	60	3/16	4	20	6.1	4 holes
107506	Soaker Pipe – 2-7/8" (73mm) OD x 5' (1.52M) Length	2-7/8	73	3/16	4	5	1.52	1 hole
107107	Soaker Pipe – 2-7/8" (73mm) OD x 10' (3.05M) Length	2-7/8	73	3/16	4	10	3.05	2 holes
106970	Soaker Pipe – 2-7/8" (73mm) OD x 6.1M (20') Length	2-7/8	73	3/16	4	20	6.1	4 holes
107508	Soaker Pipe – 89mm (3") OD x 1.52M (5') Length	3-1/2	89	3/16	4	5	1.52	1 hole
107108	Soaker pipe – 89mm (3-1/2") OD x 3.05M (10') Length	3-1/2	89	3/16	4	10	3.05	2 holes
106971	Soaker pipe – 89mm (3-1/2") OD x 6.1M (20') Length	3-1/2	89	3/16	4	20	6.1	4 holes

Thumbnail	Part #	Catalog Description	Soaker Pipe Cup Size		Post Size		Length		Qty per kit
			inch	mm	inch	mm	inch	mm	
	107092	Soaker Pipe Mounting Bracket	2 3/8	60	Square Wood Post		7-1/16	178.8	Kit (1 x Clamp / Hdw)
	107091	Soaker Pipe Mounting Bracket	2 3/8	60	2 7/8 - 3	73-76	5 5/8	143	Kit (1 x Clamp / Hdw)
	107280	Soaker Pipe Mounting Bracket	2 3/8	60	2 7/8	73	7 3/16	183 1/5	Kit (1 x Clamp / Hdw)
	107345	Soaker Pipe Mounting Bracket	2 3/8	60	3 1/2	89	7	178	Kit (1 x Clamp / Hdw)
	107281	Soaker Pipe Mounting Bracket	2 3/8	60	4	102	7 5/16	185.7	Kit (1 x Clamp / Hdw)
	107143	Soaker Pipe Mounting Bracket	2 3/8	60	3	76	7 1/8	181	Kit (1 x Clamp / Hdw)
	107379	Soaker Pipe Mounting Bracket	2 3/8	60	4 x 4	102 x 102	7 5/8	193.8	Kit (1 x Clamp / Hdw)

Cooling | Feedlane Soaking

Thumbnail	Part #	Catalog Description	Soaker Pipe Cup Size		Post Size		Length		Qty per kit
			inch	mm	inch	mm	inch	mm	
	107378	Soaker Pipe Mounting Bracket	2 3/8	60	5 x 5	127 x 124	7 5/8	193.8	Kit (1 x Clamp / Hdw)
	107151	Soaker Pipe Mounting Bracket	2 3/8	60	5 1/2	141	7	178	Kit (1 x Clamp / Hdw)
	107547	Soaker Pipe Mounting Bracket	2 3/8	60	6 x 6	152 x 152	7-5/16	185.7	Kit (1 x Clamp / Hdw)
	107361	Soaker Pipe Mounting Bracket	2 7/8	73	2 7/8 - 3	73-76	7 3/16	183	Kit (1 x Clamp / Hdw)
	107423	Soaker Pipe Mounting Bracket	2 7/8	73	3	76	9 3/4	248	Kit (1 x Clamp / Hdw)
	107418	Soaker Pipe Mounting Bracket	2 7/8	73	3 1/2	89	6 13/16	173.5	Kit (1 x Clamp / Hdw)
	107494	Soaker Pipe Mounting Bracket	2 7/8	73	4 x 4	102 x 102	7 5/8	193.7	Kit (1 x Clamp / Hdw)
	107502	Soaker Pipe Mounting Bracket	2 7/8	73	6 5/8	168	7 3/8	187	Kit (1 x Clamp / Hdw)
	107362	Soaker Pipe Mounting Bracket	2 7/8	73	6 5/8	168	7 3/8	184	Kit (1 x Clamp / Hdw)
	107501	Soaker Pipe Mounting Bracket	2 7/8	73	8 5/8	219	7 3/8	187	Kit (1 x Clamp / Hdw)
	107551	Soaker Pipe Mounting Bracket	2 7/8	73	Square Wood Post		7 15/16	202.4	Kit (1 x Clamp / Hdw)
	108549	Soaker Pipe Mounting Bracket	3 1/2	89	2 7/8 - 3	73-76	7 13/16	198.7	Kit (1 x Clamp / Hdw)

Cooling | Feedlane Soaking

Thumbnail	Part #	Catalog Description	Soaker Pipe Cup Size		Post Size		Length		Qty per kit
			inch	mm	inch	mm	inch	mm	
	107788	Soaker Pipe Mounting Bracket	2-3/8	60	7" square	178 square	7 7/8	200.6	Kit (1x Clamp / Hdw)
	107959	Soaker Pipe Mounting Bracket	2-7/8	73	5 1/2	114	6 1/2	165.2	Kit (1x Clamp / Hdw)
	108864	Soaker Pipe Mounting Bracket	3-1/2	89	3 1/2	89	7 13/16	198.7	Kit (1x Clamp / Hdw)
	107097	Soaker Pipe Mounting Bracket	2-3/8	60	1 5/8 x 1 15/16	41 x 50	7 1/2	190	1 EA c/w Hardware
	107152	Soaker Pipe Mounting Bracket	2-7/8	73	1 5/8 x 1 15/16	41 x 50	7 3/4	197	1 EA c/w Hardware
	107153	Soaker Pipe Mounting Bracket	3-1/2	89	1 5/8 x 1 15/16	41 x 50	8 1/16	205	1 EA c/w Hardware
	107721	Soaker Pipe Mounting Bracket	2-3/8	73	2-7/8	73	8-3/4	222.4	Kit (1x clamp/hdw)
	116903	Soaker Nozzle, 1.2GPM, 5 piece, Stainless steel tip with red orifice and stainless steel ball	NA	NA	NA	NA	NA	NA	1 EA

Cooling | Feedlane Soaking

Thumbnail	Part #	Description	Wall thickness		Length		Pipe Outside Diameter OD	
			inch	mm	ft	m	inch	mm
	107072	Soaker Pipe Adaptor, Rolled Groove to NPT	3/16	4	6	152	2 3/8	60
	107073	Soaker Pipe Adaptor, Rolled Groove to NPT	3/16	4	6	152	2 7/8	73
	107074	Soaker Pipe Adaptor, Rolled Groove to NPT	3/16	4	6	152	3 1/2	89

Thumbnail	Part #	Catalog Description	Pipe Outside Diameter OD	
			inch	mm
	106196	Soaker Pipe Connection Coupling	2 -3/8	60
	106197	Soaker Pipe Connection Coupling	2- 7/8	73
	106198	Soaker Pipe Connection Coupling	3 -1/2	89
	106206	Soaker Pipe Tee	2 -3/8	60
	106207	Soaker Pipe Tee	2 -7/8	73
	106208	Soaker Pipe Tee	3 -1/2	89
	109007	Soaker Pipe Elbow 90° Grooved Ends for Use with coupling 108481	2 -3/8	60
	108881	Soaker Pipe Elbow 90° - Grooved Ends for Use With Coupling 108482	2 -7/8	73

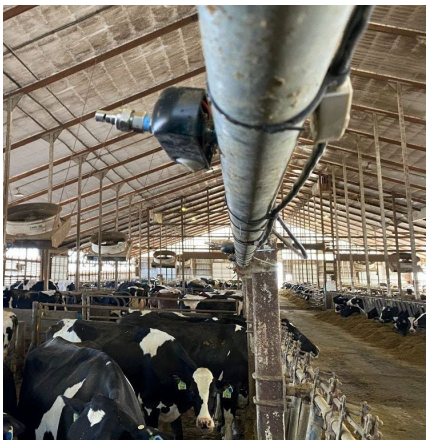
Thumbnail	Part #	Catalog Description
	107156	2 3/8" (60mm) - Ball Valve Full Size - Brass - NPT Thread - 1/4" turn - 150 GPM
	107148	2 7/8" (73mm) - Ball Valve Full Size - Brass - NPT Thread - 1/4" turn - 150 GPM
	117500	3 1/2" (89mm) - Ball Valve Full Size - Brass - NPT Thread - 1/4" turn - 360 GPM

Cooling | Intelligent Soaker



VES-Artex Intelligent Soakers provide an innovative solution to heat stress. The Intelligent Soaker only dispenses water the sensor is triggered. Our test sites have seen an average of 50% water savings with some days having up to **70% of water savings** when using the Intelligent Soaker system compared to continuous soaking systems.

The Intelligent Soaker features a **cow-friendly LED light** on the feed alley side of each wiring harness to indicate the performance status of their respective soaking nozzle.



A connected control system automates usage based on environmental temperature setpoints.



No batteries to replace or cameras to clean.



System is CE certified, available for world-wide use.

TECHNICAL INFORMATION

- 100 soaking units per 500' (152 m) run
- 5' or 6' (1.5m or 1.8m) spacing between soaking units
- 600' (182 m) total of electrical wiring
- 7' (2.1 m) installation height for Holsteins
- 20-35 PSI of water pressure is required
- Water quality should be tested and treated as needed
- Stainless steel nozzle and tip provide durability



Cooling | Intelligent Soaker

Product Number	Description
118478	Intelligent Soaker 2.0 5'Kit. Includes LED Harness, Soaking Unit, and Nozzle for (1) Soaking Connection
118479	Intelligent Soaker 2.0 20'Kit. Includes LED Harness, Soaking Unit, and Nozzle for (4) Soaking Connection
118480	Intelligent Soaker 2.0 6'Kit. Includes LED Harness, Soaking Unit, and Nozzle for (1) Soaking Connection
118481	Intelligent Soaker 2.0 24'Kit. Includes LED Harness, Soaking Unit, and Nozzle for (4) Soaking Connection
118482	Intelligent Soaker 2.0 Panel Kit. Includes (2) 100' Extensions and (1) Power Box. Maximum of (2) 500' Zones.
118448	Intelligent Soaker 2.0, Soaking Unit
118477	Soaker Nozzle, for Intelligent Soaker. 1.2GPM. 3 Piece, SS Tip w/Red Orifice, SS Collar, and SS Body. Does Not Include Ball and Spring or Plunger.
118449	Cable Assembly, 5' Intelligent Soaker Section, w/1Nozzle Connection, w/LED Indicator
118450	Cable Assembly, 20' Intelligent Soaker Section, w/1Nozzle Connection, w/LED Indicator
118451	Cable Assembly, 6' Intelligent Soaker Section, w/1Nozzle Connection, w/LED Indicator
118452	Cable Assembly, 24' Intelligent Soaker Section, w/1Nozzle Connection, w/LED Indicator
119092	Intelligent Soaker Advanced Panel Kit w/ 7" HMI. Includes (2) 100' Extensions and (1) Power Box. Maximum of (2) 500' Zones
119530	Intelligent Soaker 2.0 Advanced Plus Panel Kit. Includes (4) 100' Extensions and (1) Power Box. Maximum of (4) 500' Zones



The Intelligent Soaker system is a staff favorite

Cooling | Holding Area Soaking

Holding Area Soaking

Holding areas are some of the hottest spaces in a barn. With so many cows so close together, it's no surprise their body temperatures rise. In a study completed by JP Harner III, Et Al., it was found that without cooling, the temperature of a cow in the holding area increased 3°F (1.6°C) within 20 minutes after entering the pen. The prevalence of heat stress in the holding area is exactly why we recommend having a cooling system there. Because every single cow of the milking herd visits this area 2-3 times per day, a cooling system positioned here is one of the most cost-effective ways to mitigate heat stress.



Adding an overhead soaking system showers the herd and thoroughly soaks them across their backs. When combined with proper airspeeds from circulation fans, the water will evaporate and draw heat directly from the cows, reducing their body temperature. The VES-Artex ventilation and cow cooling team uses data and research to determine the temperature parameters, frequency, and duration of the soaking intervals.

Part #	Catalog Description
108462	Strainer, 2" Housing - Filter mesh to be ordered separately
108627	Strainer, 2 1/2" Housing - Filter mesh to be ordered separately
108460	Strainer, 3" Housing - Filter mesh to be ordered separately
108463	Filter, 20 Mesh for 2" Strainer
108461	Filter, 20 Mesh for 3" Strainer
108498	1" Filter Assembly, 80 Mesh, 5-26 GPM
108500	Pressure Regulator, 1-1/2", 20 PSI
108696	Enclosure Motion Sensor Box (Set of 2) * To be used for 94228
108675	Sensor, Photoelectric Motion Set
108100	Sheet Metal 3mm (1/8") thick x 0.5m (19-11/16") wide x 0.75m (29-1/2") long with strut channels

Part #	Catalog Description
108624	Solenoid, 25mm (1") Soaker Line, 24VAC
108499	Solenoid, 25mm (1") Soaker Line, 120VAC
108436	Solenoid, 60mm (2 3/8") Soaker Line, 24VAC
108481	Solenoid, 60mm (2 3/8") Soaker Line, 120VAC
108625	Solenoid, 73mm (2 7/8") Soaker Line, 24VAC
108482	Solenoid, 73mm (2 1/2") Soaker Line, 120VAC
108626	Solenoid, 89mm (3 1/2") Soaker Line, 24VAC
108483	Solenoid, 89mm (3 1/2") Soaker Line, 120VAC



Scan to see the benefits of soaking!



High-Pressure Fogging
Pump, Filter, and Control Room

High-Pressure Fogging
Distribution Line at Curtain Inlet

Lighting

VISUALIZE your legacy



Lighting | The Importance of Lighting



Precise lighting conditions help animals perform their best based on their physiological needs throughout different phases of the year. The modern, animal-centered approach to delivering optimal lighting includes using efficient LED industrial light fixtures to produce light based on a cow's core retinal sensitivity for 16 hours per day.

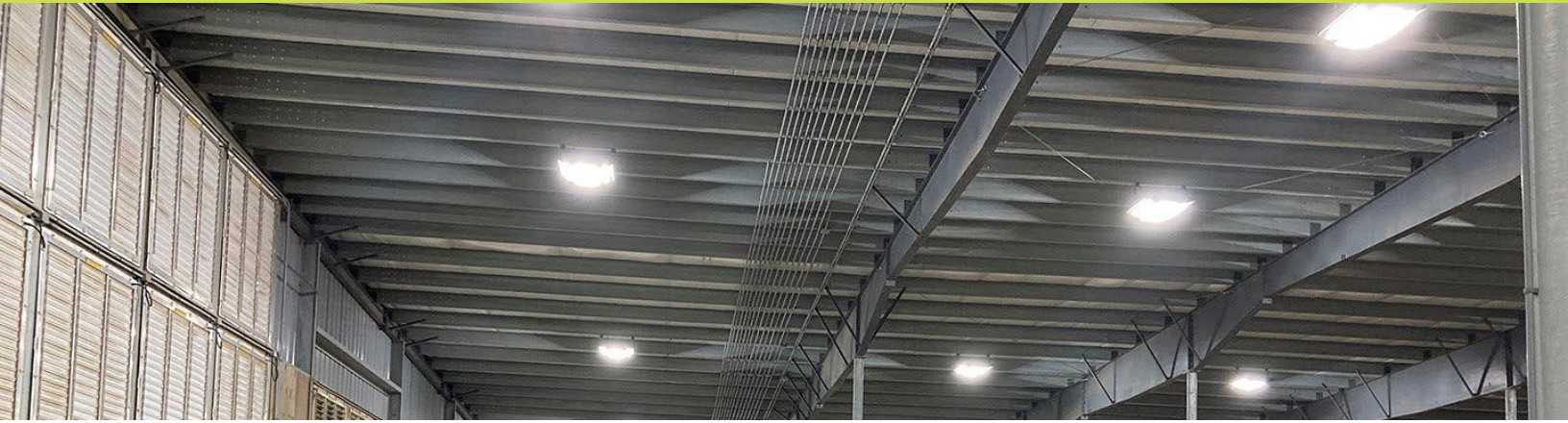
What are the Benefits of Proper Lighting?

Animal Well-Being: Proper lighting enables staff to monitor and clean all areas effectively, preventing contaminated milk and lowering somatic cell counts. Animals experience improved health, increased feed intake, and better growth rates.

Staff Safety & Morale: Well-lit environments enhance staff safety, boost morale, and increase job retention rates as they can continue to reach specific quotas and hit bonuses. If staff members can see what they're doing, they can work quickly and efficiently.

Compliance & Regulation: By meeting governmental regulations and safety guidelines, lighting solutions ensure compliance, which ensures you don't have to waste money on fines and fees. Thus, enhancing the farm's reputation and financial performance.

Lighting in your barn is a strategic investment influencing animal health, staff safety, regulatory compliance, and financial success. By choosing the right barn lighting solutions and implementing them effectively, dairy producers can create a brighter and more prosperous future for their business and herd.



AGM5 Peak Array

The AGM5 Peak Array is the new release of the AGM3. It still has the namesake “peak” which keeps birds from nesting on top. The Peak Array is constructed from durable, corrosion-resistant aluminum. It is UL Listed with an IP65 rating. All units are dimmable which means they are easily incorporated into any long-day lighting strategy.



After the peak, the most noticeable physical component of this light is its square shape. This unique design spreads the light in a wide footprint which reduces hot spots, shadows, and glare for the herd. Without these stressors, the herd is more relaxed. The AGM5 differs from the AGM3 in that the LED lights are positioned at an angle, furthering the wide footprint.

Item Number	Fixture Watts	Maximum Lumen Output	Lumens per Watt (lm/W)	Voltage	Dimmable
 118524	100	16,000	160	120 V	0-10V Dimmable
 118464	100	16,000	160	480 V	0-10V Dimmable
 119074	150	25,000	167	480 V	0-10V Dimmable

- ✓ CRI > 80
- ✓ Color Temperature: 5000K
- ✓ Ratings: IP65, UL, DLC Premium
- ✓ Warranty: 6 years
- ✓ 6kV combi-wave surge rating per ANSI C82.77-5 CAT C
- ✓ Optional electrical insulation to isolate from metal roofing
- ✓ Housing is reusable at the end of LED's life

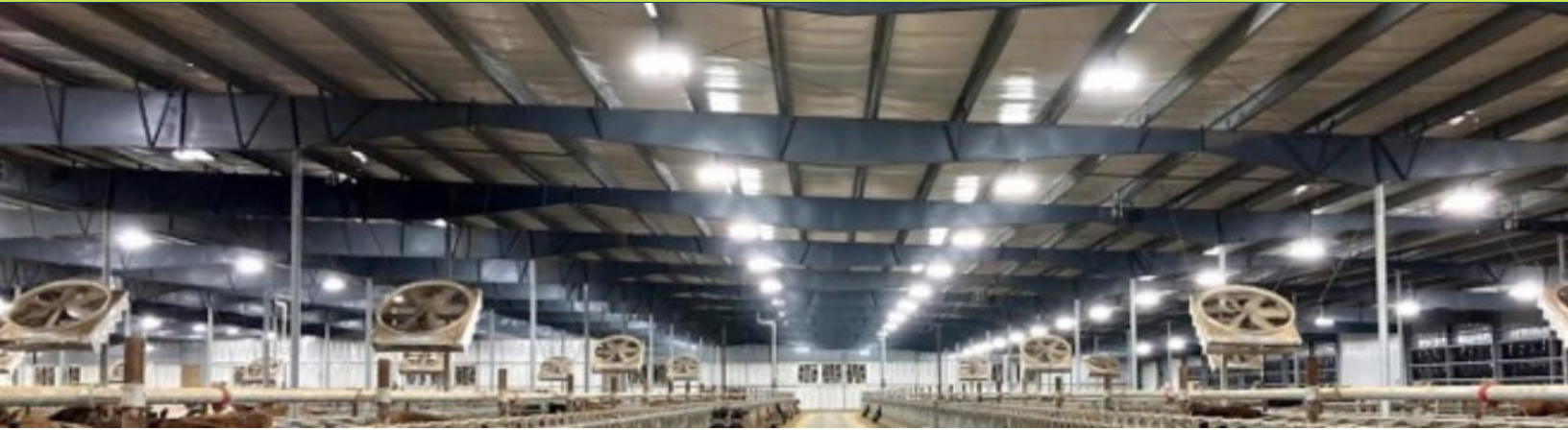


The AGM5 Peak Array is a staff favorite



Made in the USA





AGM3 Peak Array

The premier high bay lighting solution for dairy barns. The body style features its namesake “peak” which keeps birds from nesting on top. The Peak Array is constructed from durable, corrosion-resistant aluminum. It is UL Listed with an IP65 rating. All units are dimmable which means they are easily incorporated into any long-day lighting strategy.



After the peak, the most noticeable physical component of this light is its square shape. This unique design spreads the light in a wide footprint which reduces hot spots, shadows, and glare for the herd. Without these stressors, the herd is more relaxed.

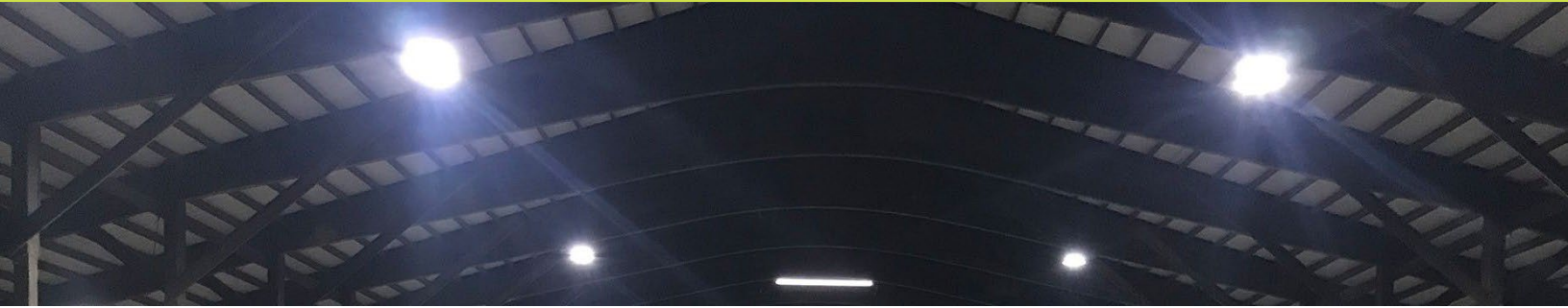
Item Number	Fixture Watts	Maximum Lumen Output	Lumens per Watt (lm/W)	Voltage	Dimmable
 117466	100 W	16,000	164	120/277 V	0-10V Dimmable
 117467	100 W	16,000	164	480 V	0-10V Dimmable
 117468	150 W	25,000	167	120/277 V	0-10V Dimmable
 117469	150 W	25,000	167	480 V	0-10V Dimmable
 117470	200 W	33,000	165	120/277 V	0-10V Dimmable
 117471	200 W	33,000	165	480 V	0-10V Dimmable

- ✓ CRI > 80
- ✓ Color Temperature: 5000K
- ✓ Ratings: IP65, UL, DLC Premium
- ✓ Warranty: 7 years
- ✓ 6kV combi-wave surge rating per ANSI C82.77-5 CAT C
- ✓ Optional electrical insulation to isolate from metal roofing
- ✓ Housing is reusable at the end of LED's life



Made in the USA





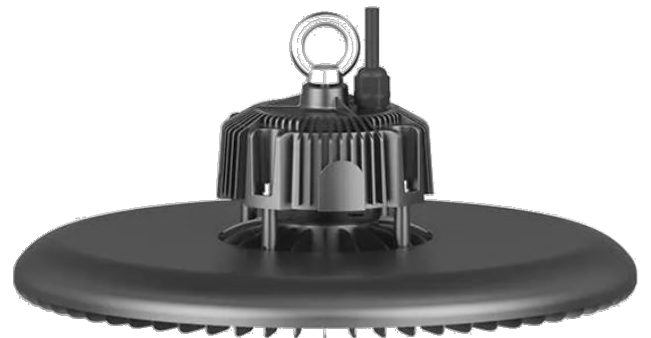
Optimal Array

This is the optimal premium LED high bay light. It is ideal for long-day lighting systems and uses fewer fixtures than other inexpensive lights. Its unique design is perfect for “dusty” locations like the freestall areas. The heat sink allows for the top to be smooth, so birds cannot nest on the fins. Premium efficiency, premium life and premium light spread makes it an ideal choice for the dairy industry.



The Optimal Array is a tier above all other UFO or circular style lights because it uses energy more efficiently and its internal components have more durable construction.

Item Number		Fixture Watts	Lumen Output	Voltage	Dimmable
 	118916	80 - 120 - 150 W	14,320 / 21,480 / 27,000	120-277 V	0-10V Dimmable
 	118917	80 - 120 - 150 W	14,320 / 21,480 / 27,000	277 - 480 V	0-10V Dimmable



- ✓ CRI: >70
- ✓ Color Temperature: 5000K
- ✓ Power Factor: >0.95
- ✓ Warranty: 5 years
- ✓ Adjustable wattage
- ✓ Ratings: IP65, ETL, CE, FC, SAA, RoHS, DLC Listed Premium
- ✓ Ambient Operational Temperature: -40°F to 113°F (-40°C to 45°C)



Eco UFO

The UFO LED light is excellent for high bay environments such as warehouses, gymnasiums, retail stores, storage facilities, equipment rooms, and workshops. Each unit features a 120° beam angle which provides broad light coverage. Each unit is constructed with heavy die-cast aluminum alloy housing and can be installed with suspended mounting.

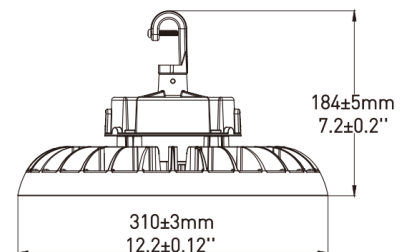


Selectable wattage and color temperature

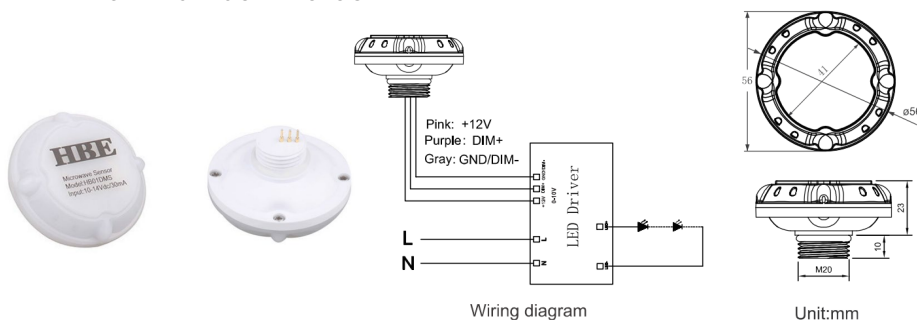
Item Number	Fixture Watts	Lumen Output
 119189	150W	24,000
	200W	32,000
	240W	38,400



- ✓ CRI: >80
- ✓ Efficiency: 160 lumens/watt
- ✓ Color Temperature: 4000K/5000K/5700K
- ✓ Power Factor: >90%
- ✓ Voltage: 120-277V/AC or 277-480V
- ✓ 0-10V Dimmable
- ✓ Warranty: 5 years
- ✓ Ratings: UL, CUL, DLC
- ✓ Adjustable wattage
- ✓ Ambient Operational Temperature: -32°F to 140°F (-36°C to 60°C)



 Occupancy sensor for Eco UFO is sold separately.
Part Number: 119190



Available only in USA

Aurora Array

The Aurora Array is our leading Tri-Proof linear light.



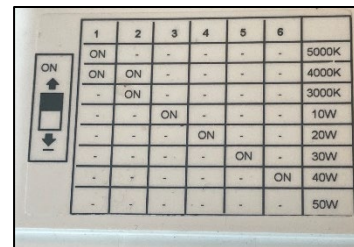
Tri-proof lights are moisture, corrosion, and explosion-proof. Ideal for ceilings 14' (4.3m) and under, this light makes a big impact. Completely sealed and safe to use in harsh environments, the Aurora can be used in the parlor, walkways, and low bay areas. The aluminum housing allows heat to escape quickly which extends the life of each unit.

The Aurora Array is available in 4' (1.2m) and 8' (2.4m) sections. Link the lighting units or use them independently. Adjust the intensity and color temperature on the unit itself or connect the units to an overarching control to automatically operate them. Just like its namesake, the Aurora Array produces brilliant light which completely illuminates its environment.

Fixture Length	Item Number	Typical Power (Watt)	5000K		4000K		3000K	
			Lumens per Watt (lm/W)	Typical Lumen Output	Lumens per Watt (lm/W)	Typical Lumen Output	Lumens per Watt (lm/W)	Typical Lumen Output
4 ft (1.2m)	117572	20	170	3400	167	3332	162	3230
		30	162	4860	159	4763	154	4617
8 ft (2.4m)	117573	40	160	6400	157	6272	152	6080
		50	160	6400	157	6272	152	6080

 Both sizes are available to order online.

- ✓ CRI: >80
- ✓ Color Temperature: 3000K/4000K/5000K
- ✓ Efficacy: 120/140/160 lumens per watt
- ✓ Power Factor: >0.95
- ✓ Adjustable wattage and color temperature output
- ✓ All units are 1 – 10 V dimmable
- ✓ All units are 120 – 277 Volt
- ✓ Ratings: IP65, ETL, CE, RoHS, DLC Listed Premium
- ✓ Warranty: 5 years
- ✓ Ambient Operation Temperature Range: -30° F to 112°F (-30 °C to 45 °C)



Selectable wattage and color temperature output



Eco Vapor Tight LED

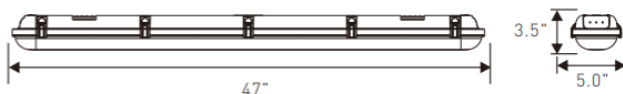


Selectable wattage and color temperature

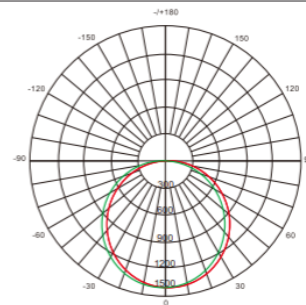
The Eco Vapor Tight LED light is ideal for low bay environments such as offices, hallways, equipment rooms, and workshops. The wide 110° beam angle provides broad light coverage, minimizing the need for multiple fixtures. Each unit is constructed with extruded opal prismatic material with UV protection to ensure longevity in harsh environments.

Fixture Length	Item Number	Wattage	Typical Lumen Output
4 ft (1.2m)	 119191	40	5,400
		50	6,750
		60	8,100

- ✓ CRI: >80
- ✓ Color Temperature: 3000K/4000K/5000K
- ✓ Efficacy: 135 lumens per watt
- ✓ Power Factor: >0.90
- ✓ Ratings: IP65, ETL, DLC certified
- ✓ Warranty: 5 years
- ✓ Adjustable wattage and color temperature output
- ✓ Each unit is 120 - 277 Volt
- ✓ Ambient Operation Temperature Range: -4°F to 104°F (-20 °C to 40 °C)



DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE[50%]: 113°

UNIT: CD
 — C0/180, 110.9
 — C30/210, 110.5
 — C60/240, 109.3
 — C90/270, 109.1



Available only in USA





Hygiene Array



Our Hygiene Array is a low-profile, impact resistant (IK10 certified) linear light producing up to 8,000 lumens for use primarily in parlors. Mount it on the butt tray of a parallel parlor or the water ring of a rotary parlor. Their low-profile housing IK10 impact certification ensures their durability in harsh environments.

The plug-and-play quick connectors and cabling provide an easy installation process. Use a single luminaire or connect up to 80' (24.4m) luminaires in a single run. Designed with an embedded aluminum heatsink for cooling, each light lasts longer in hot and cold environments than other LED and incandescent lights. The Hygiene Array is superior chemical and UV resistant with an IP68/IP69K rating. Stainless mounting brackets provide reliable installation and the connection wiring cable lengths are available from 1' to 20' (0.3m to 6m).

- ✓ CRI: Typical 85 CRI
- ✓ Color Temperature: 5000K
- ✓ Efficacy: Up to 160 LPW
- ✓ Voltage: 120-277V
- ✓ IP Ratings: IP68, IP69K, UL, NEMA4X, NEMA 6P, DLC Premium
- ✓ Warranty: 5 years
- ✓ Delivered light output: Up to 8,000 lumens
- ✓ Run length can extend up to 80' (24.4m) of luminaires, not including jumpers.
- ✓ Ambient Operation Temperature: -40° F to 131° F (-40° C to 55° C)



Hygiene Array



Lumen & Power Data

Model Number	Item Number	Fixture Watts	5000K		Fixture Supported per Power Supply					
			Lumens	Lumens per Watt	PSU-80	PSU-120	PSU-240	PSU-320	PSU-480	PSU-600
HAX8	 117553	50 W	170	3400	1	2	4	5	8	10
HAX6	 117551	37 W	165	4125	2	3	6	7	9	10
HAX4	 117549	25 W	162	4860	3	4	8	10	13	15
HAX2	 117547	12 W	161	5635	6	8	14	20	22	22

Dimensions

Model Number	Item Number	Fixture Diameter		Fixture Length				Mounted			
				Thru Wire		Single End		Width		Height	
		inch	cm	inch	cm	inch	cm	inch	cm	inch	cm
HAX8	117553	1.0	2.54	91.82	233.22	90.27	229.28	1.25	3.17	1.75	4.44
HAX6	117551	1.0	2.54	69.82	177.34	68.27	173.40	1.25	3.17	1.75	4.44
HAX4	117549	1.0	2.54	47.82	121.46	46.27	117.52	1.25	3.17	1.75	4.44
HAX2	117547	1.0	2.54	25.82	65.58	24.27	61.64	1.25	3.17	1.75	4.44

Model Number	Item Number	Connection
HAX8	117553	Single end
HAX8	117552	Dual end
HAX6	117551	Single end
HAX6	117550	Dual end

Model Number	Item Number	Connection
HAX4	117549	Single end
HAX4	117548	Dual end
HAX2	117546	Dual end

Wall Pack



102642



102644

With advanced LED technology, the wall packs consume significantly less electricity compared to traditional lighting options. They are constructed with high-quality materials to provide reliable outdoor lighting for years, reducing the need for frequent replacements.

The large LED semi-cutoff wall pack light fixture features a high-pressure die-cast aluminum housing and hinged front frame with 1/2" coin plugs with o-rings for conduit & photocell. A bronze powder coat anti-static finish provides years of protection. These wall packs are IP54 rated ensuring their durability and longevity.

Item Number	Wattage	Typical Lumen Output	Lumens per Watt (lm/W)	Dimensions					
				Length		Height		Width	
				Inch	mm	Inch	mm	Inch	mm
 102642	40W / 60W / 80W	10,000	110	14-3/16	360	9-1/8	232	7-5/16	186
 102644	100W / 120W	14,400	120	18-5/16	465	9-1/8	232	9-1/4	235

- ✓ CRI: >70
- ✓ Color Temperature: 5000K
- ✓ Power Factor: >0.9
- ✓ Voltage: 120-277V
- ✓ Not dimmable
- ✓ IP Ratings: IP54, IP65, CE, UL
- ✓ Warranty: 5 years
- ✓ Ambient Operational Temperature Range: -13 °F to 104°F (-25°C to 40°C)

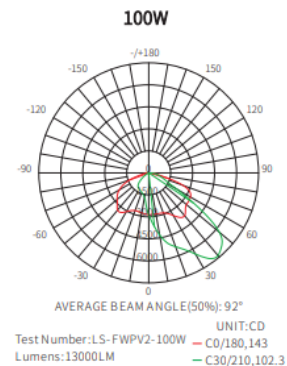
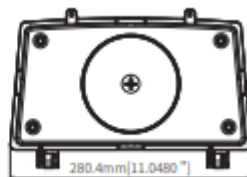
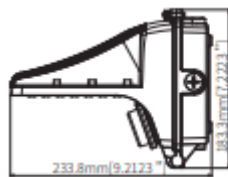


Eco Wall Pack



Economic full-cut wall packs are fantastic lighting choices for outdoor use. With over 3,000 LED chips, these lights have a high transmittance rate to properly illuminate walkways, entryways, warehouses, etc. The full-cut construction minimizes light pollution without compromising illumination. Each unit offers wattage options. There is also a built-in photocell, automatically turning the light on at dusk and off at dawn.

These LED wall packs are constructed with heavy die-cast aluminum alloy housing. They feature a bronze powder coated anti-static finish which provides years of protection. These wall packs are I65 waterproof rated. Wall mount installation hardware is included.



Item Number	Wattage	Typical Lumen Output	Lumens per Watt (lm/W)
 119188	60W / 80W / 100W / 120W	7800 / 10400 / 13000 / 15600	130

- ✓ CRI: >72
- ✓ Color Temperature: 5000K
- ✓ Power Factor: >0.9
- ✓ Voltage: 120-277V
- ✓ IP Ratings: IP65, CE, UL, DLC
- ✓ Warranty: 5 years
- ✓ Ambient Operational Temperature Range: -33 °F to 140°F (-36°C to 60°C)



Available only in USA



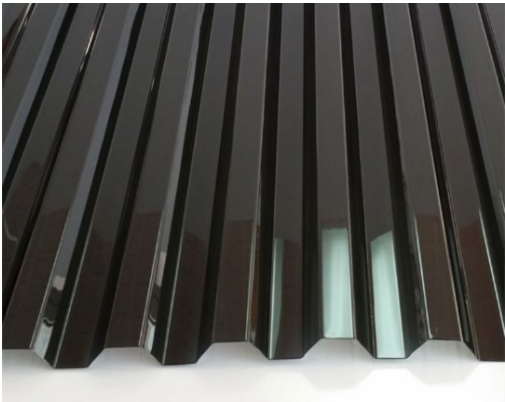


EnviroWall Polycarbonate Panels

EnviroWall Polycarbonate allows natural light to come through without harmful UV rays. That’s right, 35% of sunlight is allowed through, but heat and harmful UV rays are completely denied. Connect light sensors to an overarching lighting control system to leverage natural lighting with the indoor lighting structure. This means indoor lighting will dim and shut off as natural light increases, resulting in big savings on energy and bulb life.

The polycarbonate panels are corrosion and impact-resistant which means harsh weather conditions, such as hail, does not damage the panels. They are a cost-effective alternative to steel siding and can also be used as interior baffles.

Item Number	Width		Height		Color
	Feet	Meters	Feet	Meters	
103282	12'	3.6	49.6"	15.1	Solar Grey
103283	14'	4.3			
103284	16'	4.9			



Automation

SIMPLIFY your legacy



AUTOFLEX CONNECT II



The VES-Artex AutoFlex Connect II is a comprehensive and versatile controller with the ability to control and monitor **16 different zones**. It offers an intuitive user interface which can configure and monitor the entire system from a local 10 inch touchscreen or on any web-enabled device. This means you can view your facility's operation with a smartphone anywhere in the world at anytime!

Featuring a modular design, you can pair an AutoFlex Connect II control with other AutoFlex Connect controls and can therefore expand alongside a facility. It also has standard interchangeable smart modules for control of fixed or variable speed fans, heaters, inlets, and curtains. Contact your VES-Artex representative to create a custom control infrastructure for your facility!

- Controls and monitors up to 16 different zones per controller with remote connection from any web-based device.
- Automate lighting, cooling, and soaking operations for your facility 24/7/365 with the option to set timed events for manure scrapers and feeding times.
- 2-year limited warranty

Part#	Description	Modules Included	Software Required	Width		Length		Height	
				inch	mm	inch	mm	inch	mm
116936	AutoFlex Connect II Control	3-103217, 3-103299, 2-1025907, six empty slots	No	14.9	380	22	560	7.1	180
116937	AutoFlex Connect II Mini Control	1-103217, 1-103299, 1-102590, three empty slots	No	11.85	300	11	280	3.965	100

AUTOFLEX COMPONENTS

Part#	Description
102590	4 Inputs, configurable for digital analog
103217	4 Relays
103299	4 Variable 0-10VDC Outputs
103298	1 Variable AC Out put
102288	Curtain Control with Potentiometer Feedback
102289	Curtain Control with 0-10VDC Feedback
117048	Curtain Control with Timed Feedback
117183	Expansion Panel for Autoflex Connect II and Autoflex II Mini



Autoflex Connect Ratings and Certifications:
CE, UL, CSA, PS, NEMA 4X



Autoflex Connect Mini Ratings and Certifications:
CE, UL, CSA, PS, NEMA 4X

COMPATIBLE CLIMATE SENSORS

Part#	Description	Cable Length	
		ft	m
102682	Sensor, Temperature Probe, 3K	150	45
102683	Sensor, Temperature Probe, 3K	30	9
102684	Sensor, Temperature Probe, 3K	75	20
103273	Sensor, Static Pressure	-	-
103215	Cable, Temperature Probe Extension, 18-22 AWG	1000	300
103295	Sensor, Temperature Probe with Junction Box	1	0.3
103382	Sensor, Wind speed Meter (Autoflex)	-	-
103099	Sensor, Rain Presence (Autoflex)	-	-



Scan the QR Code to learn more about Controls and VFD's.



The Autoflex Connect is a staff favorite

PLUS TOUCH



Part Number: 117215

The Plus Touch control by Phason measures humidity, ammonia, carbon dioxide, temperature, and more using connected sensors. It then uses these measurements to **automatically** change the operation of multiple systems in a barn including variable and fixed stage ventilation fans, curtains, cooling soakers, and heaters.

With an easy set-up and management with an intuitive user experience, on-board diagnostics, and self-tests, the entire system is updatable from a simple USB.

The control system comes with a 5 inch touch screen display which allows control of the back of a barn. The control is constructed with corrosion-resistant, water-resistant, and a fire-retardant enclosure. The Plus Touch also features overload protection fuses, **six** pluggable general-purpose relays, and an alarm relay for an external alarm system.



Plus Touch Ratings and Certifications: CE, CSA, PS, NEMA 4X

SUPRA TOUCH



Part Number: 117134

Monitor and control a facility's ventilation with a Phason Supra Touch control. Designed for use with all VES-Artex fans using any VES-Artex VFD, Phason's 16-stage control can vary the speed of up to forty fans based on temperature, humidity, ammonia, and carbon dioxide values received from connected Phason and DOL sensors. The Supra Touch control can have up to four zones in which various ventilation equipment is controlled, including VFDs, single-stage fans, and soaking systems.

The Supra Touch is constructed with a fire-retardant, corrosion and water-resistant NEMA 4X enclosure. It utilizes a three-second full-power-turn-on for minimizing ice-up. Other notable components of the control are the **twelve** pluggable general-purpose relay, **four** 0-10 Volt DC analog outputs, one alarm relay, power-failure settings protections, and a 5" (12.7cm) touch screen.

This Phason control has adjustable temperature set points ranging from 14°F to 110°F (-10°C to 43°C). The Supra Touch can fully automate a facility's ventilation strategy year-round.



SupraTouch Ratings and Certifications: CSA

SSVDC CONTROL



Part Number: 117103



SSVDC Ratings and Certifications: CSA, NEMA 4X

The FC control is a single-stage, variable speed control which automatically controls the speed of connected fans based on the temperature in the facility; temperatures ranging from -13°F to 125°F (-25°C to 51°C). It is designed to control the speed of up to 10 fans within 500 ft of the controller. **This control (117103) is compatible with all VES-Artex circulation and exhaust fans using VES-Artex wired VFDs.**

Each control features two LED displays which show the temperature, signal output, alarm codes, and programming information. The purchase of one control includes a 6" (15 cm) temperature probe available with a 30 ft or 150 ft (9 m or 45 m) cable length.

TECHNICAL FEATURES

- Variable 0 to 10V output
- Run/Stop relay
- Error code display
- External alarm relay
- 3 second full-power-turn-on to minimize fan ice-up
- Power failure protection

Part Number	Description
117101	Control, Fan, 1 Variable AC Output, 12.5 Amps, FC-1VAC
117102	Control, Fan, 1 Variable AC Output, Includes Temperature Sensor w/1' (300mm) Cable FC-1T-1VAC
117103	Control, Fan, 1 Variable DC Output, Includes Temperature Sensor w/6' (1.8m) Cable FC-1T-1VDC
117104	Control, Fan, 1 Solid State Relay, Includes Temperature Sensor w/6' (1.8m) Cable FC-1T-1F
117105	Control, Fan, 1 Variable AC Output, 1 Relay, Includes Temperature Sensor w/6' (1.8m) Cable FC-1T-1VAC-1F
117106	Control, Fan, 2 Variable AC Outputs, 3 Relays, Includes Temperature Sensor w/30' (9m) Cable FC-1T-2VAC-3F
102734	THERMOSTAT, 1 STAGE, 15 AMP

117103 controls VFDs. All other controls listed above can control small, single phase fractional horsepower motors directly, without needing a VFD.

LDB-2 LIGHT CONTROL



Part Number: 102632



LDB-2 Ratings and Certifications:
CSA, NEMA 4X

Automate a facility's lighting program with Phason's two-channel Dimmer Box. Able to control AC or DC-powered LED, CFL, or incandescent lights, this control is easy to program with timed events for each day of the year, making it truly customizable for any facility.

TECHNICAL FEATURES

- 120-230 VAC, 50/60Hz
- Independent ramp-up and ramp-down durations
- Two variable AC channels
- Two DC-signal (0 to 10V) channels
- Two internal disconnect relays
- Two light sensor connections
- Light output calibration
- Real-time clock with power-failure settings protection
- Robust construction ensures it is corrosion-resistant, water-resistant, and fire-retardant

SOAKER LINE CONTROL



Part Number: 102442



ECC-1 Ratings and Certifications:
CSA, NEMA 4X

Effectively monitor temperatures and control evaporative cooling cycles according to preprogrammed settings with this Phason control. Activate soaking lines or high-pressure fogging kits at specific times or temperatures.

TECHNICAL FEATURES

- Optional humidity monitoring with high humidity bypass
- 30' (9.1 m) temperature probe, extendable up to 500' (152 m)
- Two automatic operation modes: Soaking and Fogging/Mister
- Temperature-based cycle operation. Programmable range: 32°F to 113°F (0°C to 45°C)
- Six relay stages for controlling sprinkler solenoids, water pumps, or single speed fans

VARIABLE FREQUENCY DRIVE (VFD)



Streamline ventilation management in a facility with low energy consumption by using a Variable Frequency Drive (VFD) from VES-Artex.

A VFD works with a ventilation control to automatically increase or decrease fan speed based on the temperature in a facility. Automatic adjustments remove the manual operation which means staff can focus on other tasks and the herd is always taken care of. Automated ventilation management in a facility provides a comfortable working environment for the staff and herd. A VFD can have lower energy usage because the variable speed control allows the fans to operate at the optimal speed to produce the right amount of airflow based on environmental influences. This means the fans aren't operating at higher speeds than needed; saving energy and financial resources.

Keypad - Configured for all motors				
	208/240 1 PH	208/240 3 PH	400/480 3 PH	
HP / KW	Part Number	Part Number	Part Number	Fan HP
1.5/1.1	117409	117413	117418	0.75 - 1.50
3/2.2	117411	117415	117420	2.0 - 3.0
4/3	Not available	117485	117486	4
5/4	Not available	117416	117421	5
7.5/5.5	Not available	119514	Not available	4 with single phase input

*External EMC filter required, purchase separately

Keypad - Unconfigured				
	208/240 1 PH	208/240 3 PH	400/480 3 PH	
HP / KW	Part Number	Part Number	Part Number	Fan HP
1.5/1.1	104853	104854	104855	0.75 - 1.50
3/2.2	104850	104852	104851	2.0 - 3.0
4/3	Not available	117483	117484	4
5/4	Not available	117315	109221	5

Disconnect Option for all	Description
117227	Switch, Rotary Disconnect, 3PH, 600VAC, 25A, 7.5HP@240V, 10HP@480V, 4.7"x4.8"x4.5" NEMA 4X enclosure

External Filters	Compatible with:
117807: EMC Filter 1-3 HP	117413, 117415, 104854, 104852
117896: EMC Filter 4-5 HP	117485, 117416
119531: EMC Filter 7.5 HP	119514



VFD Ratings and Certifications: CE, UL, RoHS, UKCA, EAC, NEMA 4X

WIRELESS VARIABLE FREQUENCY DRIVE (VFD)

Lower a facility's energy consumption and streamline ventilation management in the facility by combining Lenze's hardware and VES-Artex ventilation design expertise. Working in tandem with environmental controls, wireless VFDS automatically adjust fan speed based on the environment's temperature.

A wireless VFD provides precise sensor-less motor control which provides low wear-rate brake control, dynamic braking through brake resistors, S-ramps for smooth acceleration and deceleration, a flying restart circuit, PID controller, and DC connection. This means energy consumption can be reduced **up to 75%** based on run times and fan speeds.

Other features of Lenze's wireless VFD include: IP66 (NEMA 4X) enclosure rating, a Safe Torque Off (STO) setting which prevents unexpected motor restarts during repairs and maintenance, USB microw diagnostic interface, and compatibility with a keypad or WLAN modules.



Ratings and Certifications: CE, UL, RoHS, UKCA, EAC, NEMA 4X

Wireless - Configured for all motors				
	208/240 1 PH	208/240 3 PH	400/480 3 PH	
HP / KW	Part Number	Part Number	Part Number	Fan HP
1.5/1.1	117393	117397	117402	0.75 - 1.50
3/2.2	117395	117399	117404	2.0 - 3.0
4/3	Not available	117489	117490	4
5/4	Not available	117400	105416	5

VFD's with Hand-off Auto Switch and Disconnect	Description
118879	VFD, i550 Protec, 2HP, 480V, 3PH Input, WiFi, Filtered, with Disconnect, PM Compatible,
118880	VFD, i550 Protec, 4HP, 480V, 3PH Input, WiFi, Filtered, with Disconnect, PM compatible

Disconnect Option for all	Description	External Filters	Compatible with:
		117807: EMC Filter 1-3 HP	117397, 117399
117227	Switch, Rotary Disconnect, 3PH, 600VAC	117896: EMC Filter 4-5 HP	117489, 117400

Wireless VFD's must be purchased as part of a control system. The following part numbers are components of that system. Please contact your VES-Artex representative when creating a control system or for more information.

Part Number	Description	Notes
118463	Wireless VFD Interface Panel	for up to 150 wireless VFD's
118878	Barn Network Switch	5 ports for 4 access points
118410	Barn Network Switch	8 ports for 4 access points
117143	WiFi Access Point	provides 300' diameter coverages

QUICK-REFERENCE OF PHASON CONTROL OFFERINGS

Features/ capabilities		AUTOFLEX CONNECT	SUPRA-TOUCH	PLUS-TOUCH	FC-1T-2VAC-3F	FC-1T-1VAC-1F	FC-1T-1VAC	FC-1VAC	FC-1T-1VDC	FC-1T-1F	NVC-2	ECC-1	LDB-2
CONTROLLING	Variable Stages (AC)	+	4	2	2	1	1	1	-	-	-	-	2
	Fixed Stages (ON/OFF)	+	12	6	3	1	-	-	-	1	3	6	-
	Variable stages (0-10 DC)	+	4*	4*	-	-	-	-	1	-	-	-	2
	Expansion capable	✓	-	-	-	-	-	-	-	-	-	-	-
	Remote monitoring	✓	-	-	-	-	-	-	-	-	-	-	-
	Variable cooling	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-
	Fixed-stage cooling	✓	✓	✓	✓	-	-	-	-	✓	-	-	-
	Variable heating	✓	✓	✓	-	-	-	✓	-	-	-	-	-
	Fixed-stage heating	✓	✓	✓	✓	✓	-	-	-	-	✓	-	-
	Inlets/actuators	✓	✓	✓	-	-	-	-	-	-	-	-	-
	Curtain machines	✓	✓	✓	-	-	-	-	-	-	✓	-	-
	Air curtains	✓	✓	✓	-	-	-	-	-	-	-	-	-
	Duty cycles	✓	✓	✓	-	-	-	-	-	-	-	-	-
	Variable frequency drives (VFDs)	✓	✓	✓	✓	-	✓	-	-	-	-	-	-
	Manual control/override	✓	✓	✓	✓	-	-	✓	✓	-	✓	-	✓
	Heat mats	✓	-	-	-	-	-	-	-	-	-	-	-
	Dimmable lights	✓	-	-	-	-	-	-	-	-	-	-	✓
	Evaporative cooling	✓	-	-	-	-	-	-	-	-	-	✓	-
	Timed events	✓	-	-	-	-	-	-	-	-	-	-	-
	Feed loops/chain disks	✓	-	-	-	-	-	-	-	-	-	-	-
PROGRAMMING	Control zones/ channels	16	4	2	1	1	1	-	1	1	1	1	2
	VentGrid™	✓	✓	✓	-	-	-	-	-	-	-	-	-
	Modifiers	✓	✓	✓	-	-	-	-	-	-	-	-	-
	Growth curves	✓	✓	✓	-	-	-	-	-	-	✓	-	✓
MONITORING	Temperature (zone/ambient)	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	-
	Temperature (outdoor)	✓	✓	✓	-	-	-	-	-	-	-	-	-
	Humidity	✓	✓	✓	-	-	-	-	-	-	-	✓	-
	Carbon dioxide (CO2)	✓	✓	✓	-	-	-	-	-	-	-	-	-
	Ammonia (NH3)	✓	✓	✓	-	-	-	-	-	-	-	-	-
	Static Pressure	✓	-	-	-	-	-	-	-	-	✓	-	-
	Barometric pressure	✓	-	-	-	-	-	-	-	-	-	-	-
	Wind speed/direction	✓	✓	-	-	-	-	-	-	-	-	-	-
	Current	✓	-	-	-	-	-	-	-	-	-	-	-
	Water/pulse	✓	✓	-	-	-	-	-	-	-	-	-	-
	Rain	✓	✓	-	-	-	-	-	-	-	✓	-	-
	Light levels	✓	✓	-	-	-	-	-	-	-	-	-	✓

+ Depends on the number and type of modules selected.

* with the optional variable DC Module

CLIMATE SENSORS

Climate sensors are used in combination with controls to record and automate changes within a facility. Sensors are a key component of ventilation and cooling strategies as they gather data closest to the herd's microclimate. Creating the best microclimate positively influences milk production, fertility, health, and overall comfort, creating an animal-centered environment. These sensors are applicable to every ventilation strategy.

AVAILABLE SENSORS

DOL 16 Light



102343
CE, RoHS, IP76

DOL 53 Ammonia



102345
CE, RoHS,
UKCA, IP65

DOL Weather



102346
CE, RoHS,
IPX6

Phason SPS-2 Static Pressure



103273

DOL 114 Humidity & Temperature

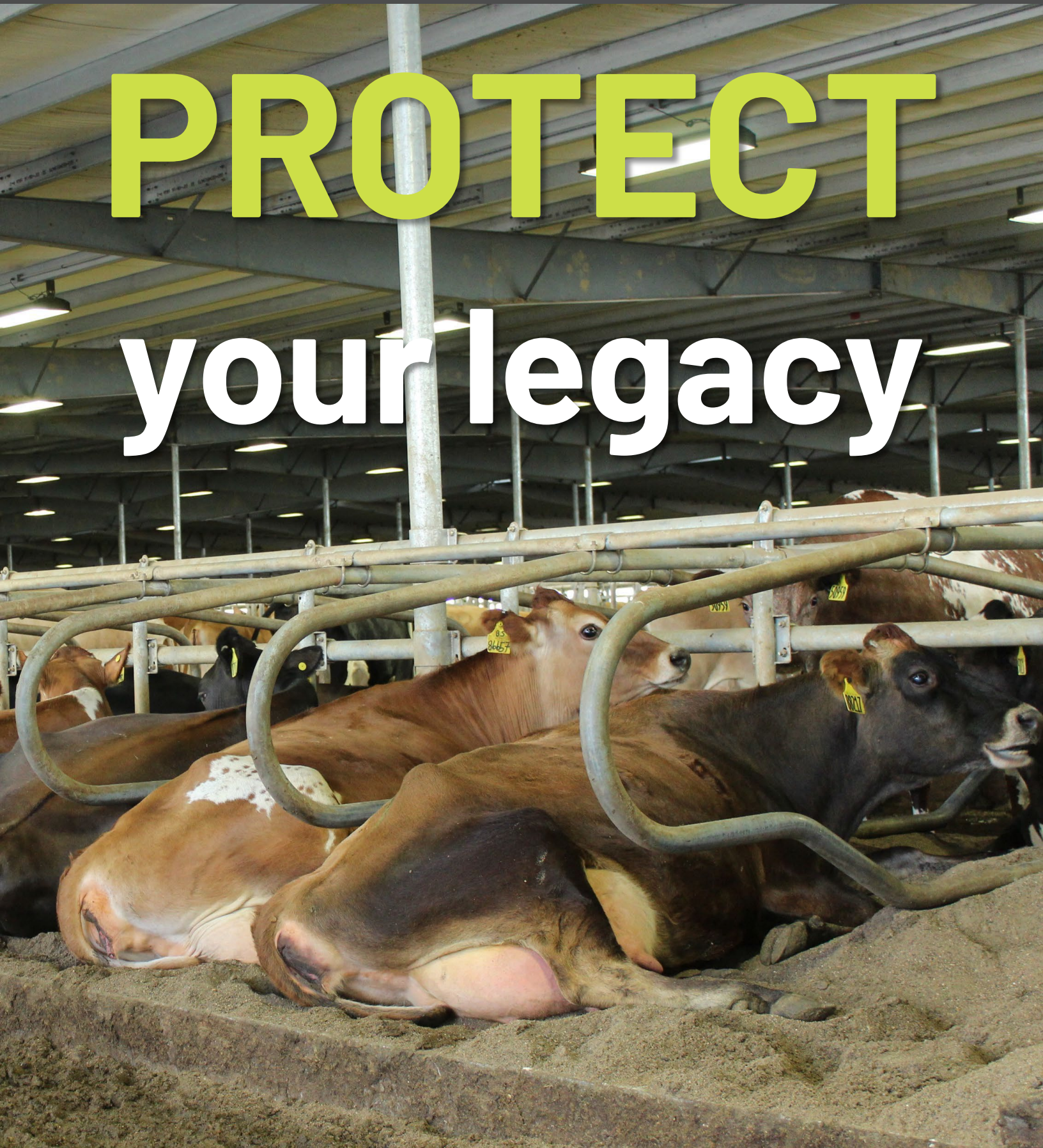


102341
CE, RoHS, UKCA, EAC, IP67

Thumbnail	Part #	Description	Cable Length	
			ft	m
	106682	Sensor, Temperature Probe, 3K	150	45
	102683	Sensor, Temperature Probe, 3K	30	9
	102684	Sensor, Temperature Probe, 3K	75	20
	103273	Sensor, Static Pressure	-	-
	103379	Cable, Temperature Probe Extension, 18-22 AWG	985	305
	103295	Sensor, Temperature Probe with Junction Box	1	0.3
	103382	Wind speed	25	7.5
	103099	Sensor, Rain Event	9	30

Cattle Handling

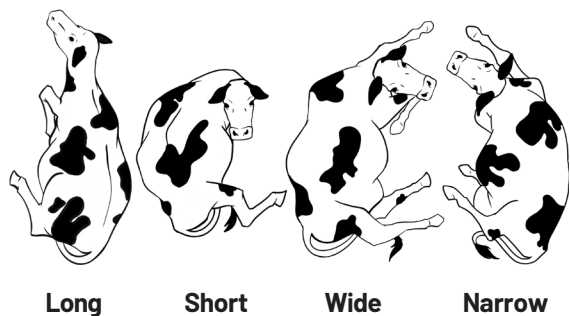
PROTECT
your legacy



Freestalls

A day in the life of a modern dairy cow consists of four key things; socializing, eating and drinking, milking, and rest. The science behind it is simple; it takes 882-1,102lbs (400-500kg) of blood passing through the udder to produce 2.2lbs (1kg) of milk. **The more the cow lays down, the more milk she makes.** The more milk she makes, the more money you make.

Natural Resting Positions

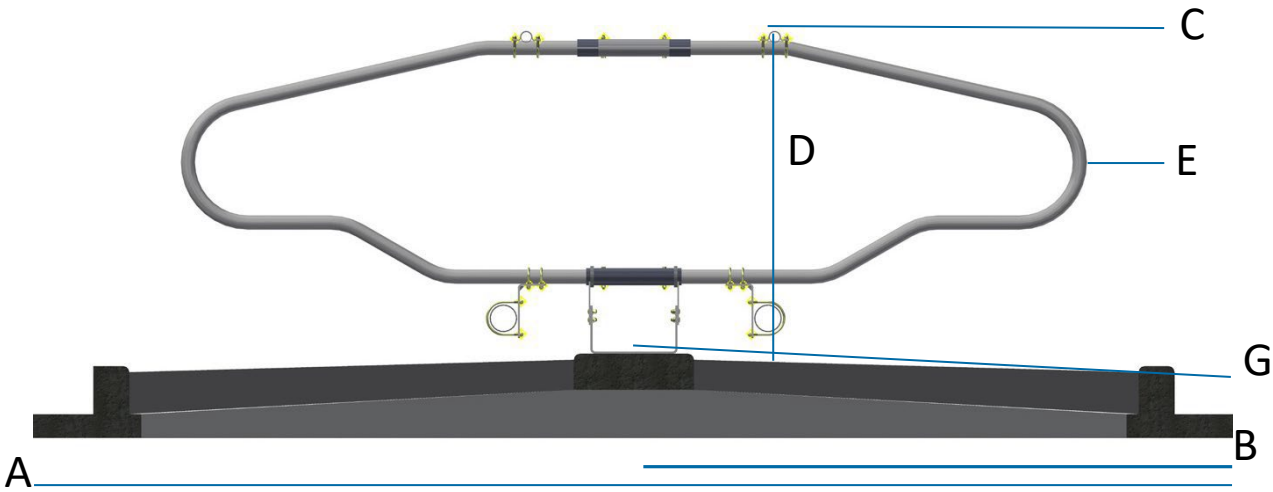


VES-Artex freestall systems are designed to provide exceptional cow comfort for every animal in the herd. With wide-open fronts and one of the most open stall systems on the market, VES- Artex freestalls offer a welcoming place for the cow to rest comfortably in all four of her natural resting positions while keeping her perfectly indexed.

These customizable solutions fit seamlessly into any new or existing facility and there is a stall system to fit any management style. Whether you're looking to retrofit your existing facility or are designing a new barn, VES-Artex freestall systems provide you with flexible solutions that enhance cow comfort, improve resting time, and increase production.

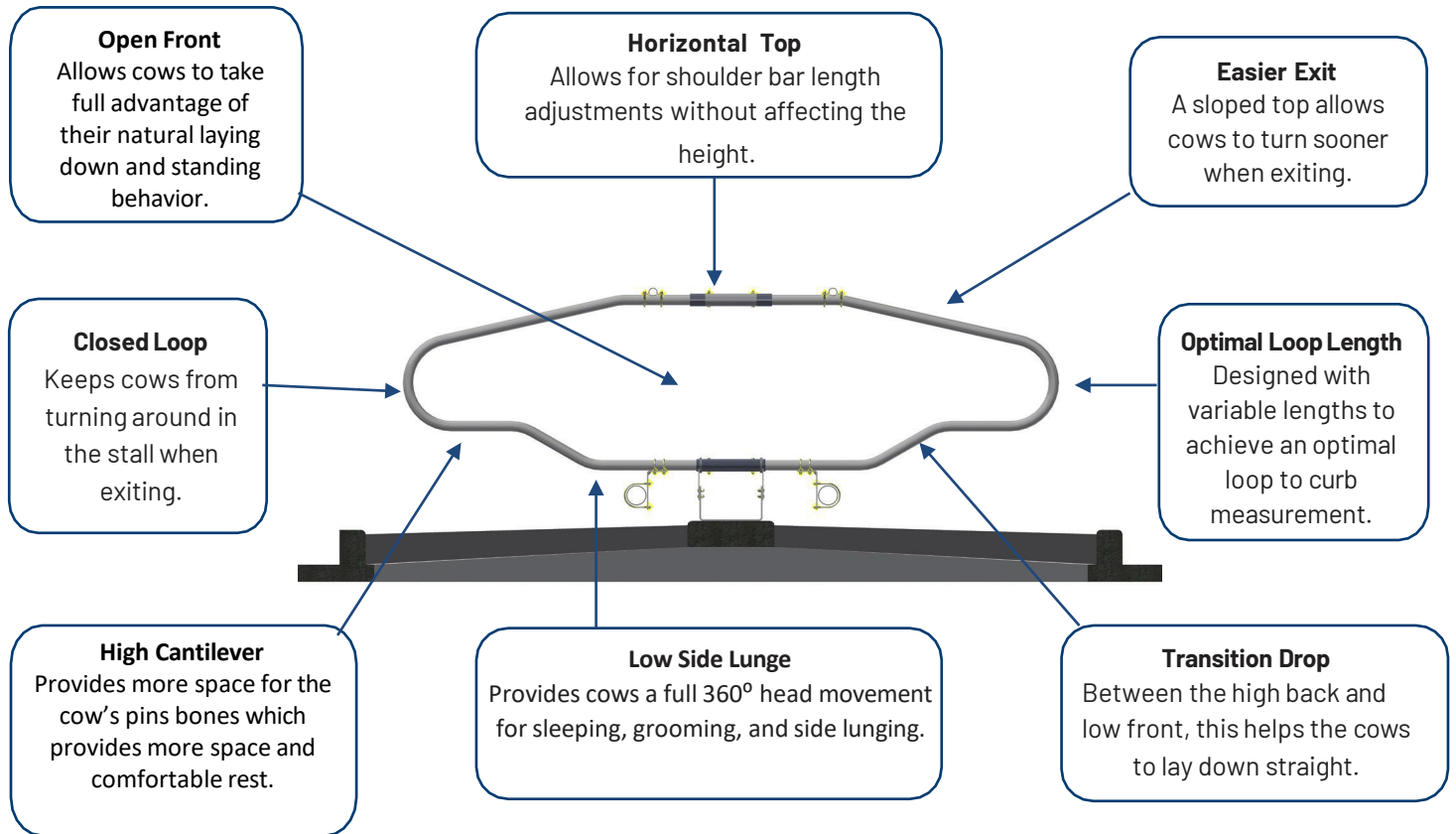
Recommended VES-Artex Freestall Dimensions for Mature Holsteins

Dimension Area	Dimension Area Letter ID on Image	Length	
		Imperial	Metric
Platform Length	A	180" - 216"	5200mm - 5500mm
Bed Length	B	102" - 108"	2600mm - 2750mm
Shoulder Bar to Curb	C	67.2" - 72"	1720mm - 1830mm
Bed to Shoulder Bar	D	48" - 51.6"	1220mm - 1300mm
Loop to Curb	E	8" - 14"	180mm - 430mm
Stall Width	Not Pictured	47" - 49"	1200mm - 1250mm
Bed Slope	G	2% - 3%	



Freestall Dividers

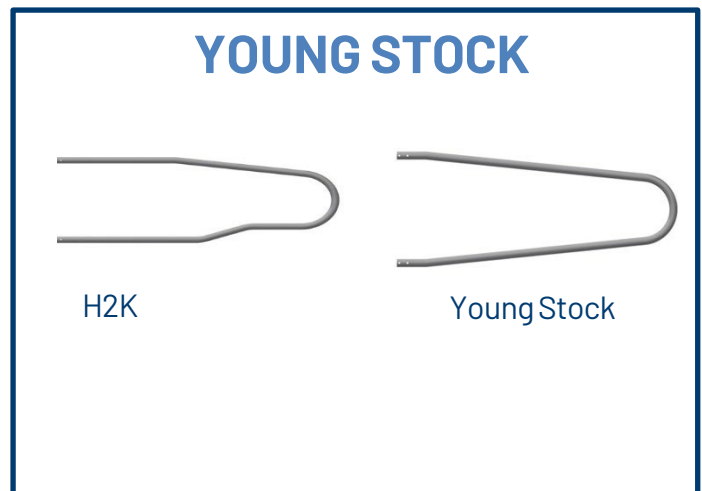
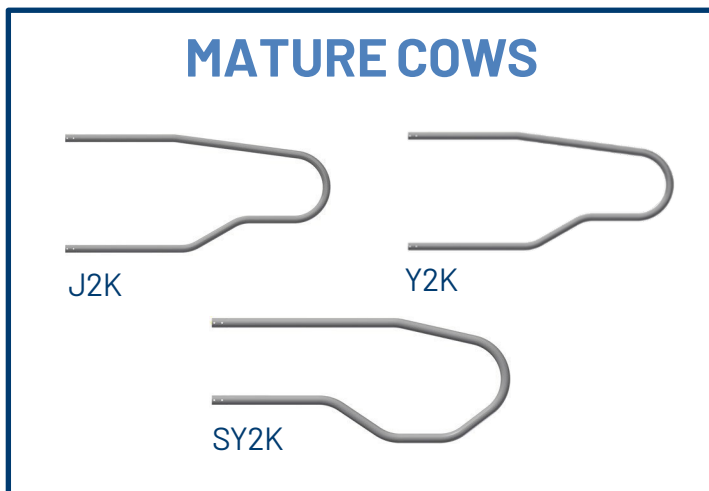
Designed With Cow Comfort InMind



"The cows are using the stalls and we have less injuries. How can I put a price tag on that?"

- Harry DeWitt | High Plains Dairy | Texas, USA

Available Stall Dividers Styles

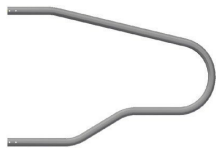


Cattle Handling | Freestalls

Mature Cow Holstein | Y2K | Hot Dipped

All Y2K Stall Dividers 2 3/8" (60mm) OD Pipe with 1/8" (3mm) wall thickness and 38" (965.2mm) stall divider height from center to center

When mounting using Top to Bottom holes deduct 108mm (4.25") | When mounting with Side to Side holes deduct 65.1mm (2.5625")

Thumbnail	Part #	Description	Overall Length (Not Functional)		Mounting with Top to Bottom Holes (Functional)		Mounting with Side to Side Holes (Functional)	
			inch	mm	inch	mm	inch	mm
	106224	74-5/8" (1895mm) Y2K Stall Divider	74 5/8	1895	70.375	1787	72.063	1830
	106225	81-1/4" (2064mm) Y2K Stall Divider	81 1/4	2064	77	1956	78.688	1999
	106226	88" (2237mm) Y2K Stall Divider	88 1/16	2237	83.813	2129	85.5	2172
	106250	2436mm 95-7/8" (2436mm) Y2K Stall Divider	95 7/8	2438	91.625	2328	93.313	2371

Mature Cow Holstein | SY2K | Hot Dipped

All SY2K Stall Dividers 2 3/8" (60mm) OD Pipe with 1/8" (3mm) wall thickness and 19 7/16" (494mm) stall divider height from center to center

Thumbnail	Part #	Description	Overall Length (Not Functional)		Mounting with Top to Bottom Holes (Functional)		Mounting with Side to Side Holes (Functional)	
			inch	mm	inch	mm	inch	mm
	107343	75" (1905mm) SY2K Stall Divider	75	1905	70.75	1797	72.438	1840
	107324	81" (2059mm) SY2K Stall Divider	81	2059				
	107747	92" (2337mm) SY2K Stall Divider	92	2337				

Mature Cow Jersey | J2K | Hot Dipped

All J2K Stall Dividers 60mm (2 3/8") OD Pipe with 3mm (1/8") wall thickness and 864mm (34") stall divider height from center to center

Thumbnail	Part #	Description	Overall Length (Not Functional)		Mounting with Top to Bottom Holes (Functional)		Mounting with Side to Side Holes (Functional)	
			inch	mm	inch	mm	inch	mm
	106251	74-3/4" (1901mm) J2K Stall Divider	74-3/4	1901	70.5	1793	72.188	1836
	106252	2074mm (81-5/8") J2K Stall Divider	81-5/8	2074	77.375	1966	79.063	2009
	106253	2246mm (88-3/8") J2K Stall Divider	88-3/8	2246	84.125	2138	85.813	2181
	107126	2399mm (94-3/8") J2K Stall Divider	94-3/8	2399	90.125	2291	91.813	2334



BioRail Freestall Mounting System

The BioRail has become our most popular freestall system due to its durability, strength, and versatility. This twin rail system features an adjustable design which allows for height and width adjustments after installation, giving you the ability to customize the system depending on the age, breed, and size of the animals in that pen.

This system is ideal for facilities using sand or compost bedding but can be used with all bedding materials. It keeps all mounts out of bedding, reducing the risk of corrosion. It is also best suited for situations where no or limited concrete is required in the bedding area.

Don't take our word for it. Scan the QR code below and see what the team at Perry Creek Dairy in Le Mars, Iowa, had to say about it!



SCAN TO WATCH
THE VIDEO

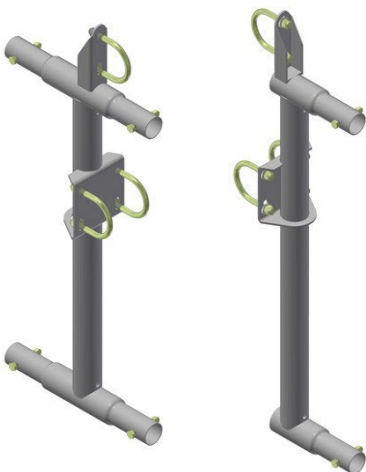


- » No steel mounts in bedding
- » Can mount on building columns
- » Saves on labor and concrete costs
- » Wide variety of clamp and mount options
- » Can be used with all bedding types



The BioRail system is a staff favorite

T-Posts



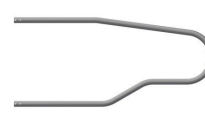
Head-to-head (H2H)
T-Post Connector

Single
T-Post Connector

Stall Dividers



Y2K - MATURE COW



J2K - MATURE JERSEY



SY2K - MATURE COW

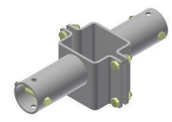
Loop Mounts to Post Brackets



H2H CLAMP-ON
SLEEVE



SINGLE ROW
CLAMP-ON SLEEVE



H2H SQUARE POST
MOUNT

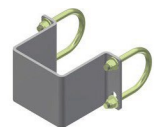
Rail Mount Brackets



SQUARE WOOD POST
PLATE BRACKET



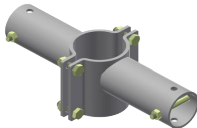
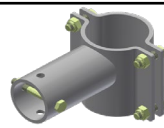
ROUND MOUNTING
CLAMP



SQUARE MOUNTING
CLAMP

Cattle Handling | BioRail Freestall System

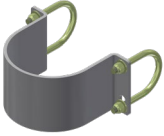
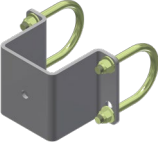
Thumbnail	Part #	Description	Divider Style	Configuration	Rail Size		QTY Per Kit
					Inch	mm	
	106564	BioRail T-Post Connector	J2K	H2H	3	76	Kit(1 Connector/Hdw)
	106554	BioRail T-Post Connector	Y2K	H2H	3	76	Kit(1 Connector/Hdw)
	107069	BioRail T-Post Connector	SY2K	H2H	3	76	Kit(1 Connector/Hdw)
	106566	BioRail T-Post Connector	J2K	Single Row	3	76	Kit(1 Connector/Hdw)
	106565	BioRail T-Post Connector	Y2K	Single Row	3	76	Kit(1 Connector/Hdw)
	107118	BioRail T-Post Connector	SY2K	Single Row	3	76	Kit(1 Connector/Hdw)

Thumbnail	Part #	Description	Divider Style	Post Size		Stall Divider		QTY Per Kit
				Inch	mm	inch	mm	
	106600	Clamp On Sleeve Mount for BioRail	H2H	3-1/2	89	60	2-3/8	Kit (2 x Asmbly/Hdw)
	106658	Clamp On Sleeve Mount for BioRail	H2H	4	102	60	2-3/8	Kit (2 x Asmbly/Hdw)
	106629	Clamp On Sleeve Mount for BioRail	H2H	4-1/2	114	60	2-3/8	Kit (2 x Asmbly/Hdw)
	106597	Clamp On Sleeve Mount for BioRail	H2H	5-1/2	141	60	2-3/8	Kit (2 x Asmbly/Hdw)
	106598	Clamp On Sleeve Mount for BioRail	H2H	6-5/8	168	60	2-3/8	Kit (2 x Asmbly/Hdw)
	106599	Clamp On Sleeve Mount for BioRail	H2H	8-5/8	219	60	2-3/8	Kit (2 x Asmbly/Hdw)
	106683	Clamp On Sleeve Mount for BioRail	Single Row	3-1/2	89	60	2-3/8	Kit (2 x Asmbly/Hdw)



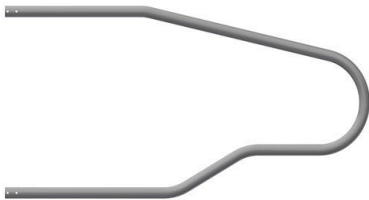
Cattle Handling | BioRail Freestall System

Generic Mounts and Clamps | Post Mounting Clamps | Hot Dipped** All used for 76mm (3") Rails

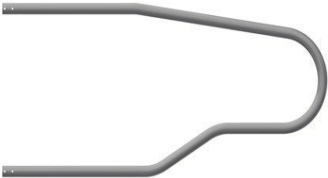
Thumbnail	Part #	Description	Post Size		U-Bolt Size		QTY Per Kit
			inch	mm	inch	mm	
	107342	Mounting Clamp	3	76	3	76	Kit (1 x Brkt/Hdw)
	106604	Mounting Clamp	3 1/2	89	3	76	Kit (1 x Brkt/Hdw)
	106630	Mounting Clamp	4	102	3	76	Kit (1 x Brkt/Hdw)
	106562	Mounting Clamp	4 1/2	114	3	76	Kit (1 x Brkt/Hdw)
	106601	Mounting Clamp	5 9/16	141	3	76	Kit (1 x Brkt/Hdw)
	106602	Mounting Clamp	6 5/8	168	3	76	Kit (1 x Brkt/Hdw)
	106603	Mounting Clamp	8 5/8	219	3	76	Kit (1 x Brkt/Hdw)
	106953	Mounting Clamp	4 x 4	102 x 102	3	76	Kit (1 x Brkt/Hdw)
	106965	Mounting Clamp	5 x 5	127 x 127	3	76	Kit (1 x Brkt/Hdw)
	106646	Mounting Clamp	6 x 6	152 x 152	3	76	Kit (1 x Brkt/Hdw)
	106641	BioRail Square Post Bracket - Plate Style	Wood		N/A	N/A	Kit (2 x Brkt/Hdw)
	106640	BioRail Square Post Bracket - Plate Style	Wood		N/A	N/A	Kit (1 x Brkt/Hdw)
	106986	BioRail End Support	N/A		N/A	N/A	1 per kit



Floor Mount Stall Dividers



Y2K - MATURE COW



J2K - MATURE JERSEY



H2K - MATURE COW

Floor Mount Freestall System

The cornerstones of the VES-Artex Floor Mount Freestall System are to provide unobstructed lunge space and open loops which allow animals to rest naturally in comfort.

Designed to work with mattresses, yet compatible with all bedding materials, this system utilizes existing concrete eliminating the need for posts or columns, reducing building and installation costs. Its height can easily be adjusted, allowing you to customize the stall size based on the age, breed, and size of your animals.

All components of the Floor Mount Freestall System are hot dipped galvanized and can be paired with your choice of hot dipped galvanized stall dividers as shown on the left. VES-Artex galvanization ensures a long-life span and a more durable product.

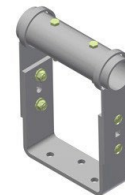
- » Easy installation
- » Use with all bedding materials
- » Works with deep bedding
- » Adjustable for height
- » Compatible with VES-Artex loops
- » Hot dipped galvanized



AVAILABLE BRACKET STYLES



ADJUSTABLE H2H



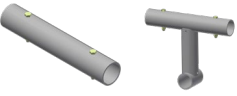
**ADJUSTABLE
SINGLE ROW**

Cattle Handling | Floor Mount Freestall System

60 mm Stall Divider | Adjustable Brackets | Hot Dipped

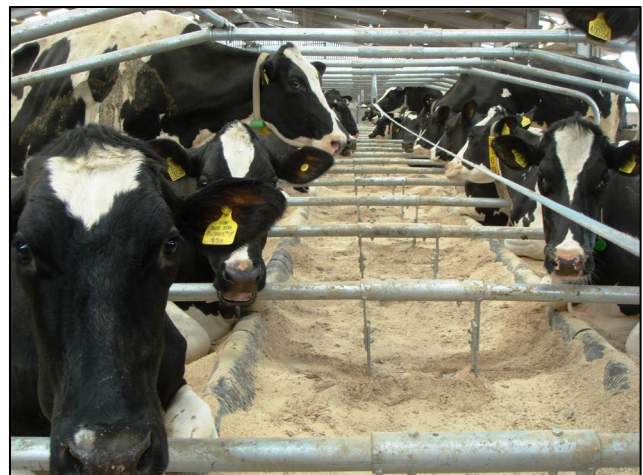
Thumbnail	Part #	Description	Stall Divider Style	Overall Length		Min Height		Max Height		QTY Per Kit
				inch	mm	inch	mm	inch	mm	
	106233	Floor Mount	H2H	15 7/8	403	11 7/16	291	14 3/16	361	Kit (1 Top Brkt - 1 Bottom Brkt/Hdw)
	106582	Floor Mount	H2H	15 7/8	403	14 7/16	367	17 3/16	437	Kit (1 Top Brkt - 1 Bottom Brkt/Hdw)
	106244	Floor Mount	Single Row	10	254	11 7/16	291	14 3/16	361	Kit (1 Top Brkt - 1 Bottom Brkt/Hdw)
	106650	Floor Mount	Single Row	10	254	14 7/16	367	17 3/16	437	Kit (1 Top Brkt - 1 Bottom Brkt/Hdw)

60 mm Stall Divider | Top Pipe | Hot Dipped

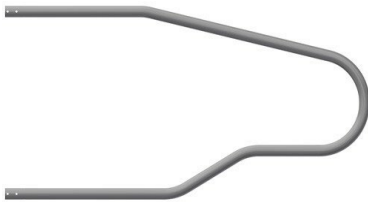
Thumbnail	Part #	Description	Overall Length		Quantity Per Kit
			inch	mm	
	106623	Top Pipe for Floor Mount	15 7/8	403	Kit (1x Assembly hardware)
	106462	Top Pipe for Floor Mount with Cross Rail Bracket	15 7/8	403	Kit (1x Assembly hardware)

Components | Zinc Plated

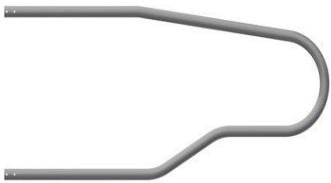
Thumbnail	Part #	Description	Diameter		Length		QTY Per Kit	Used With
			inch	mm	inch	mm		
	106490	Kwik Bolt Wedge Anchor	1/2	12	3-15/16	100	Kit (1 x Wedge Bolt)	Floor mounts, end supports, aqua dumps guard pipe, calf zones
	106427	Threaded Rod Assembly	1/2	12	5-1/4	133	Kit (2 x Rod /Hdw)	Cemented in floor mounts. Hilti glue must be supplied by customer.



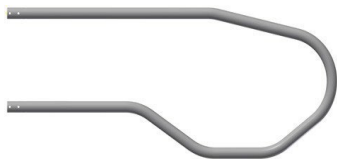
Post Mount Stall Dividers



Y2K - MATURE COW



J2K - MATURE JERSEY



SY2K - MATURE COW

Post Mount Freestall System

The VES-Artex Post Mount Freestall System is a cost-effective solution for new or retrofit facilities. Designed to mount directly into the concrete, this system is easy to install and can easily be adjusted to various heights after installation.

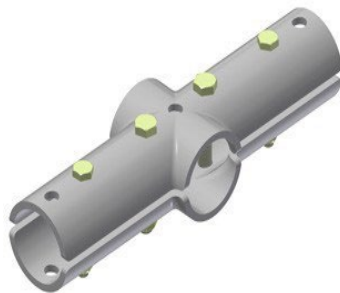
Compatible with all VES-Artex stall dividers, this system also comes with a variety of mounting clamp options for both round and square posts making it the perfect fit for any facility.

VES-Artex Post Mount Freestalls are available with hot dipped galvanization to ensure durability and a long-life span.

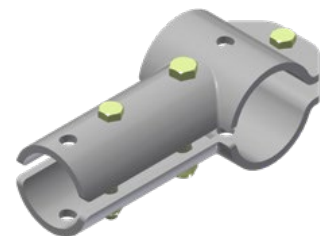
- » Open front design for easy entrance
- » All components are hot dipped galvanized
- » All hardware is zinc plated. Stainless steel hardware is available upon request.
- » Wide variety of clamp and mount options
- » Compatible with all bedding types
- » Compatible with all VES-Artex loop styles



AVAILABLE BRACKET STYLES



Head-to-Head (H2H) SC-2 CLAMP



Single Row SC-1 CLAMP

Cattle Handling | Post Mount Freestall System

60 mm Stall Divider | SC Clamp | Hot Dipped

Thumbnail	Part #	Catalog Description	Configuration	Post Size		Stall Divider Diameter		Qty per kit
				inch	mm	inch	mm	
	107470	SC-1 Mounting Clamp	Single Row	2 -3/8	60	2-3/8	60	Kit (2 x Clamp/Hdw)
	106464	SC-1 Mounting Clamp	Single Row	2-7/8	73	2-3/8	60	Kit (2 x Clamp/Hdw)
	106492	SC-1 Mounting Clamp	Single Row	3 & 2-7/8	76	2-3/8	60	Kit (2 x Clamp/Hdw)
	107644	SC-1 Mounting Clamp	Single Row	3-1/2	89	2-3/8	60	Kit (2 x Clamp/Hdw)
	118018	SC-1 Mounting Clamp	Single Row	4	102	2-3/8	60	Kit (2 x Clamp/Hdw)
	106463	SC-2 Mounting Clamp	H2H	2-3/8	60	2-3/8	60	Kit (2 x Clamp/Hdw)
	106465	SC-2 Mounting Clamp	H2H	2-7/8	73	2-3/8	60	Kit (2 x Clamp/Hdw)
	106520	SC-2 Mounting Clamp	H2H	3	76	2-3/8	60	Kit (2 x Clamp/Hdw)
	107276	SC-2 Mounting Clamp	H2H	3 1/2	89	2-3/8	60	Kit (2 x Clamp/Hdw)
	106047	SC-2 Mounting Clamp	H2H	4	102	2-3/8	60	Kit (2 x Clamp/Hdw)

60 mm Stall Divider | Wood Post Clamp | Hot Dipped

Thumbnail	Part #	Catalog Description	Length		Post Size		Stall Divider Diameter		Qty per kit
			inch	mm	inch	mm	inch	mm	
	106425	Wood Post Bolt On Mount to 2-3/8" (60mm) Stall	6 3/8	162	N/A	N/A	2 3/8	60	Kit (2 x Mount/Hdw)



Cattle Handling | Briskets & Clamps

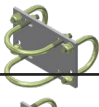
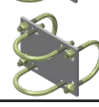
Brisket Locators | Components | Brackets | Hot Dipped

Thumbnail	Part #	Catalog Description	Stall Divider (Size A)		Brisket Pipe (Size B)		Mount Style	Quantity per Kit
			Inch	mm	Inch	mm		
	106444	Poly Pipe Brisket Bracket	2-3/8	60	4-1/2 to 4-15/16	114 - 125	Divider mounted	Kit (1 x Brkt/Hdw)
	118768	Poly Pipe Brisket Bracket -Adjustable	2-3/8	60	4-1/2 to 4-15/16	114 - 125	Divider mounted	Kit (1x clamp / hardware)
	118768	Poly Pipe Brisket Bracket -Adjustable	2-3/8	60	4-15/16	125	Divider mounted	1 bracket per kit
	118766	Poly Pipe Brisket Bracket -Adjustable Short	2-3/8	60	4-3/4	120	Divider mounted	1 Clamp / Hdw
	118767	Poly Pipe Brisket Bracket - Extension Plate	2-3/8	60	4-15/16	125	For use with 118766	1 Clamp / Hdw
	106445	Poly Pipe Brisket End Support	N/A	N/A	114 - 125	4 1/2 - 4 15/16	End Support	Kit (1 x Brkt/Hdw)

Poly Pipe & Connector

Part Number	Description
118766	Poly Pipe 4-15/16" (125mm) OD x 3/16" (4.8mm) Wall x 19'1/3" (5.8m) Length, Swaged
118767	Poly Pipe Connector, 4-15/16" (125mm) OD - for Use With Poly Pipe 118766

Cross Clamps | Hot Dipped

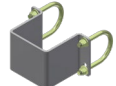
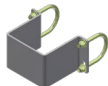
Thumbnail	Part #	Description	Rail Size		Post Size		QTY Per Kit
			inch	mm	inch	mm	
	107661	Cross Clamp - Heavy Duty	1-7/8	48	2-3/8	60	Kit (1 x Brkt/Hdw)
	106450	Cross Clamp	2-3/8	60	3	76	Kit (1 x Brkt/Hdw)
	106549	Cross Clamp	3	76	3	76	Kit (1 x Brkt/Hdw)

Cattle Handling | Clamps

Specialty Clamps | Hot Dipped

Thumbnail	Part #	Catalog Description	Rail Size, B		U-Bolt Size (Pipe), D		Quantity per kit
			Inch	mm	inch	mm	
	106455	Z Clamp (wall mounted)	2-3/8	60	2-3/8	60	Kit (1 x Clamp/Hdw)
	106664	Z Clamp (wall mounted)	3	76	3	76	Kit (1 x Clamp/Hdw)

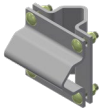
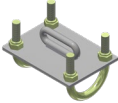
Post Mounting Clamps | Hot Dipped

Thumbnail	Part #	Description	Post Size		U-Bolt Size (Pipe)		QTY Per Kit
			inch	mm	inch	mm	
	106536	Mounting Clamp	3	76	1 7/8	48	Kit (1 x Brkt/Hdw)
	106535	Mounting Clamp	3	76	2 3/8	60	Kit (1 x Brkt/Hdw)
	107342	Mounting Clamp	3	76	3	76	Kit (1 x Brkt/Hdw)
	106604	Mounting Clamp	3 1/2	89	3	76	Kit (1 x Brkt/Hdw)
	106630	Mounting Clamp	4	102	3	76	Kit (1 x Brkt/Hdw)
	106953	Mounting Clamp	4 x 4	102 x 102	3	76	Kit (1 x Brkt/Hdw)
	106562	Mounting Clamp	4 1/2	114	3	76	Kit (1 x Brkt/Hdw)
	106965	Mounting Clamp	5 x 5	127 x 127	3	76	Kit (1 x Brkt/Hdw)
	106601	Mounting Clamp	5 9/16	141	3	76	Kit (1 x Brkt/Hdw)
	106646	Mounting Clamp	6 x 6	152 x 152	3	76	Kit (1 x Brkt/Hdw)
	106602	Mounting Clamp	6 5/8	168	3	76	Kit (1 x Brkt/Hdw)
	106603	Mounting Clamp	8 5/8	219	3	76	Kit (1 x Brkt/Hdw)



Cattle Handling | Shoulder Bar Components

Shoulder Bar Components | Mounting Clamps for 2 3/8" (60mm) | Hot Dipped

Thumbnail	Part #	Description	Rail Size		Post Size		Qty per kit
			inch	mm	inch	mm	
	106544	Shoulder Bar Clamp (Heavy Duty)	2-3/8	60	1-7/8	48	Kit (1 x Brkt/Hdw)
	106446	Standard Shoulder Bar Clamp	2-3/8	60	1-7/8	48	Kit (1 x Brkt/Hdw)
	106488	Shoulder Strap Clamp	2-3/8	60	n/a	n/a	Kit (1 x Brkt/Hdw)

Shoulder Bar Components | End Support | Hot Dipped

Thumbnail	Part #	Description	Rail Size, B		Qty per kit
			inch	mm	
	106674	Shoulder Bar End Support (Long Concrete Mount, 24" (610mm)	1-5/8 & 1-7/8	42 & 48	1 EA
	106263	Shoulder Bar End Support, 4 Hole Slotted Plate	1-7/8	48	1 EA
	106222	Mounting Rail End Support, 4 Hole Slotted Plate	2-3/8	60	1 EA
	107438	Rail End Support, 4 Hole Slotted Plate	3	76	1 EA
	107439	Rail End Support - Extended, 24" (610mm)	3	76	1 EA

Shoulder Bar

Part Number	Description
106409	Shoulder Bar 1-7/8" (48mm) OD x 1/8" (2.5mm) Wall x 19' (5.79m) Length

Cattle Handling | Accessories

Channel Embedments | Hot Dipped

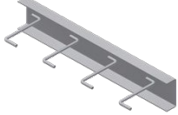
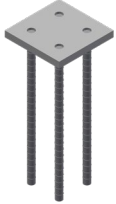
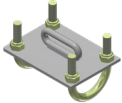
Thumbnail	Part #	Catalog Description	Width		Length		Qty per kit
			mm	inch	mm	inch	
	107009	End Channel For Concrete Wall	152	6	1194	47	1 EA
	107321	End Channel For Concrete Wall	203	8	1194	47	1 EA
	107388	End Channel For Concrete Wall	203	8	457	18	1 EA
	107007	End Channel For Concrete Wall	254	10	1194	47	1 EA

Plate Embedments | Hot Dipped

	107322	Embedded Plate For Concrete	127	5	127	5	1 EA
	107727	Embedded Plate For Concrete	152	6	152	6	1 EA
	107679	Embedded Plate For Concrete	127	5	127	5	1 EA

Straps: Straps, Accessories, and Clamps

Thumbnail	Part #	Catalog Description	Length		Width		Notes
			Imperial	Metric	Inch	mm	
	106122	Nylon Strap	164 feet	50 meters	2	51	Nylon. There is a hook on one end.
	106123	Ratchet for Nylon Strap	N/A	N/A	N/A	N/A	Fits 2" (51mm) nylon strap. Zinc plated.
	106488	Shoulder Stap Clamp	2 3/8 inches	60mm	Use with 2.36" stall dividers	Use with 60mm stall dividers	Kit quantity: (1x Clamp/Hdw)

Cattle Handling | Pipes & Posts

Round Posts | Hot Dipped

Thumbnail	Part #	Description	Outside Diameter (A)		Length (B)		Wall Thickness	
			inch	mm	in	m	inch	mm
	119052	Bollard with Dome Cap	6-5/8	168	79	2	1/4	6
	107413	Bollard with Dome Cap	6-5/8	168	84	2.13	1/4	6
	118602	Post	3	76	118-1/8	3	3/16	4.5
	107451	Bollard	6-5/8	168	78-3/4	2.00	1/4	6.4
	119052	Bollard	6-5/8	168	78-3/4	2.00	1/4	6.4

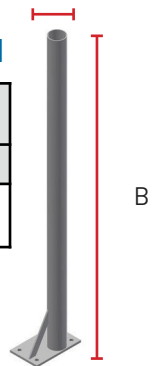
Straight Pipe | Galvanized

Part #	Description	Outside Diameter (A)		Length (B)		Wall Thickness		Details
		inch	mm	ft	m	inch	mm	
106409	Shoulder Bar	1-7/8	48	19	5.79	1/8	2.5	
106315	Mounting Rail	2 3/8	60	19	5.79	1/8	3	Swaged End
107232	Mounting Rail	2 3/8	60	19	5.79	3/16	4	Swaged End
106410	Mounting Rail	3	76	19	5.79	1/8	3.5	Swaged End



Round Posts | Hot Dipped

Part #	Description	Outside Diameter (A)		Length (B)		Wall Thickness	
		inch	mm	inch	m	inch	mm
106348	Round Post with off-set plate for self-locks	3	76	63-3/8	1.6	1/8	3.5



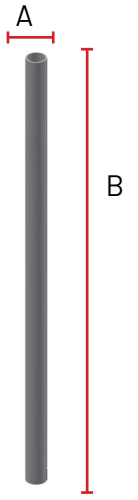
Post Cap | Plastic

Thumbnail	Part #	Description	Pipe & Post Size		Wall Thickness	
			Inch	mm	inch	mm
	106357	Plastic Post Cap	2-7/8	73	3/16	4.8
	107346	Plastic Post Cap	3 1/2	89	3/16	4.75

Cattle Handling | Pipes & Posts

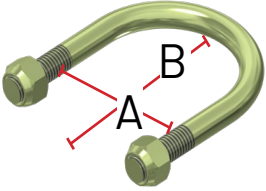
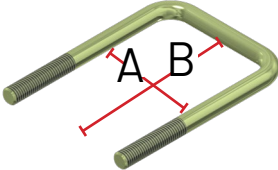
Round Posts | Galvanized

Part #	Description	Outside Diameter (A)		Length (B)		Wall Thickness	
		inch	mm	inch	m	inch	mm
118465	Round Post	3	76	94-1/2	2.4	3/16	4.75
118602	Round Post	3	76	118-1/8	3.0	3/16	4.55
106302	Round Post	3- 1/2	89	94-1/2	2.4	3/16	4.75
106419	Round Post	3- 1/2	89	118-1/8	3	3/16	4.75
106094	Round Post	4	102	84	2.13	3/16	4.75
106322	Round Post	4	102	94-1/2	2.4	3/16	4.75
106415	Round Post	4	102	118-1/8	3	3/16	4.75
107980	Round Post	4	102	196-7/8	5	3/16	4.75
106421	Round Post	4- 1/2	114	94-1/2	2.4	3/16	4.75
106412	Round Post	4- 1/2	114	118-1/8	3	3/16	4.75
107800	Round Post	5	127	236	6	3/16	4



Cattle Handling | Hardware

U-Bolts | Zinc Plated

Thumbnail	Part #	Catalog Description	Diameter (A)		Length (B)		Shape	Used with
			inch	mm	Inch	mm		
	106559	U-Bolt M12	3	76	4 1/16	103	Round	Kit - 1 x U-Bolt (#107259) 2 x Nuts (#100303) Loaded In Bulk
	106154	U-Bolt M12	3 1/16	78	4 7/16	113	Round	1 x U-Bolt (#107264) Loaded in Bulk
	106561	U-Bolt M12	3 1/2	89	4 1/2	114	Round	1 x U-Bolt (#107260) Loaded In Bulk
	107224	U-Bolt M12	3 1/2	89	4 59/64	125	Round	1 x U-Bolt (#107265) Loaded in Bulk
	106157	U-Bolt M12	4 1/2	114	6 3/16	157	Round	1 x U-Bolt (#107279) Loaded in Bulk
	106612	U-Bolt M10	4	102	5 1/16	129	Square	Kit - 1 x U-Bolt 2 x Nuts Loaded In Bulk
	106636	U-Bolt M12	1 5/8	41	2 15/16	75	Square	Kit - 1 U-Bolt (#108309) 2 x Nuts (#100303) Loaded In Bulk

Thumbnail	Part #	Description	Diameter		Length		QTY per Kit	Used With
			in	mm	inch	mm		
	106490	Kwik Bolt Wedge Anchor - Zinc Plated	1/2	12	3-15/16	100	Kit (1 x Wedge Bolt)	• Floor Mounts • Shoulder Bar End Brackets • Brisket Pipe End and Floor brackets • Some Gate Hinges and latches • Aqua Dumps • Calf Zones
	108222	Kwik Bolt Wedge Anchor - Stainless Steel	1/2	12	3-15/16	100	Kit (1 x Wedge Bolt)	• Floor Mounts • Shoulder Bar End Brackets • Brisket Pipe End and Floor brackets • Some Gate Hinges and latches • Aqua Dumps • Calf Zones
	106427	Threaded Rod Assembly - Zinc Plated	1/2	12	5-1/4	133	Kit (2 x Rod /Hdw)	• Mainly in Floor Mounts • Shoulder Bar End Brackets • Brisket Pipe End and Floor brackets • Some Gate Hinges and latches • Aqua Dumps • Calf Zones

Cattle Handling | Hardware

Carriage Bolt | Zinc Plated

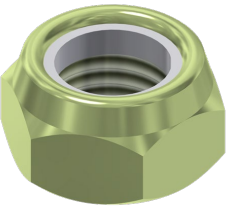
Thumbnail	Part #	Description	Length		QTY Per Kit
			inch	mm	
	106188	Carriage Bolt M8	2-3/8	64	1 x Bolt Loaded in Bulk
	106164	Carriage Bolt M8	3-7/16	87	1 x Bolt Loaded in Bulk
	106110	Carriage Bolt M10	1-3/16	30	1 x Bolt Loaded in Bulk
	106111	Carriage Bolt M10	1-31/32	50	1 x Bolt Loaded in Bulk
	106137	Carriage Bolt M12	1-1/4	32	1 x Bolt Loaded in Bulk
	106174	Carriage Shoulder Bolt M8	1-3/4	48	1 x Bolt Loaded in Bulk
	106164	Carriage Shoulder Bolt M8	3-7/16	87	1 x Bolt Loaded in Bulk

Standard Bolt | Zinc Plated

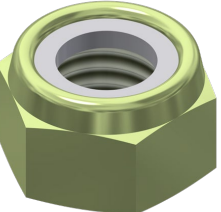
Thumbnail	Part #	Description	Length		QTY Per Kit
			inch	mm	
	106142	Bolt - Hex M8	1-3/4	45	1 x Bolt Loaded in Bulk
	106112	Bolt - Hex M8	1-31/32	50	1 x Bolt Loaded in Bulk
	107338	Bolt - Hex M8	2-3/4	70	1 x Bolt Loaded in Bulk
	106180	Bolt - Hex M8	3-1/8	80	1 x Bolt Loaded in Bulk
	106133	Bolt - Hex M10	1-3/16	30	1 x Bolt Loaded in Bulk
	107479	Bolt - Hex M10	1-3/4	45	1 x Bolt Loaded in Bulk
	106179	Bolt - Hex M10	2-3/8	60	1 x Bolt Loaded in Bulk
	106131	Bolt - Hex M10	2-61/64	75	1 x Bolt Loaded in Bulk
	106145	Bolt - Hex M10	3-1/2	90	1 x Bolt Loaded in Bulk
	107223	Bolt - Hex M12	13/16	20	1 x Bolt Loaded in Bulk
	106167	Bolt - Hex M12	63/64	25	1 x Bolt Loaded in Bulk
	106194	Bolt - Hex M12	1-21/32	42	1 x Bolt Loaded in Bulk
	106115	Bolt - Hex M12	3-1/8	80	1 x Bolt Loaded in Bulk
	106128	Bolt - Hex M12	3-1/2	90	1 x Bolt Loaded in Bulk

Cattle Handling | Hardware

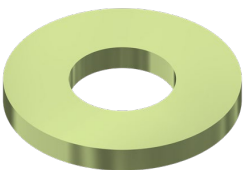
Nut | Zinc Plated

Thumbnail	Part #	Description	QTY per Kit
	106141	Nut - Hex - Nyloc M8	1 x Nut Loaded In Bulk
	106130	Nut - Hex - Nyloc M8 w/M10 Hex Head	1 x Nut Loaded In Bulk
	106129	Nut - Hex - Nyloc M10	1 x Nut Loaded In Bulk
	106113	Nut - Hex - Nyloc M12	1 x Nut Loaded In Bulk
	106176	Nut - Hex - Nyloc M20	1 x Nut Loaded In Bulk

Hardware | Nut | Zinc Plated

Thumbnail	Part #	Description	QTY per Kit
		Nut - Hex M5	1 x Nut Loaded In Bulk
	106184	Nut - Hex M12	1 x Nut Loaded In Bulk
	107219	Nut - Hex M20	1 x Nut Loaded In Bulk
		Nut - Hex M24	1 x Nut Loaded In Bulk
	106160	Nut - Hex - Nyloc M6	1 x Nut Loaded In Bulk
	107562	Nut - Hex - Nyloc M6 - Stainless Steel	1 x Nut Loaded In Bulk
	106141	Nut - Hex - Nyloc M8	1 x Nut Loaded In Bulk
	106130	Nut - Hex - Nyloc M8 w/M10 Hex Head	1 x Nut Loaded In Bulk
	106129	Nut - Hex - Nyloc M10	1 x Nut Loaded In Bulk
	106113	Nut - Hex - Nyloc M12	1 x Nut Loaded In Bulk
	106176	Nut - Hex - Nyloc M20	1 x Nut Loaded In Bulk

Washer | Zinc Plated

Thumbnail	Part #	Description	QTY per Kit
	106126	Washer - M6	1 x Washer Loaded in Bulk
	106166	Washer - M8	1 x Washer Loaded in Bulk
	106162	Washer - M10	1 x Washer Loaded in Bulk
	106146	Washer - M12	1 x Washer Loaded in Bulk
	106114	Lock Washer M12	1 x Washer Loaded in Bulk
	107016	Washer - M13	1 x Washer Loaded in Bulk
	107220	Washer - M20	1 x Washer Loaded in Bulk

*Additional hardware, nuts, bolts, U-bolts, washers, etc. are available upon request.

Feed Fronts

Labor is the second-highest operational cost on a dairy farm; for this reason, efficient cattle handling is crucial. There are at least 31 activities required throughout a dairy cow's calendar year and VES-Artex self locks are designed to enable you to do 29 of them at the feed bunk. These include anything from physical examinations, vaccinations, and artificial inseminations to pregnancy checks, and routine treatments.

VES-Artex self locks enable staff to identify and treat multiple animals at one time quickly. The animals can then be released as a group, or they can be individually restrained for treatment. Self locks also improve parlor efficiency by eliminating the need to sort animals as they are exiting the parlor. They help you to streamline milking and get your cows back into their pen faster.

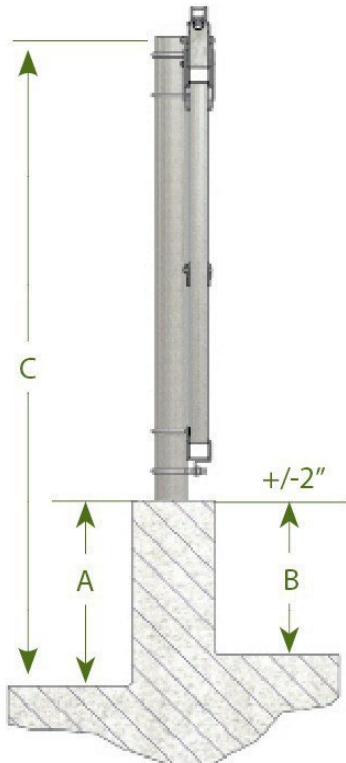
By treating cows in familiar surroundings and giving them the ability to eat while they wait for treatment, VES-Artex self locks ensure a more relaxing experience for each cow. They optimize feed bunk usage and reduce bullying, ensuring each animal has access to feed and can eat her full ration without interruption.



Cattle Handling | Feed Fronts



VES-Artex Self Lock Recommendations



Animal*			VES-Artex Self Lock	Installation		
Age	Weight	Shoulder Height	Openings	A	B	C
0 to 3 months	VES-Artex recommends using the Sloped or the V-Trainer Feed Fronts for this age group					
3 to 6 months	114 - 186 kg	94 - 104 cm	8 in 3.05 m	30 cm	20 cm	114 cm
	250 - 410 lbs	37 - 41 in	8 in 10 ft	12 in	8 in	45 in
6 to 9 months	186 - 268 kg	104 - 114 cm	7 in 3.05 m	36 cm	25 cm	125 cm
	410 - 590 lbs	41 - 45 in	7 in 10 ft	14 in	10 in	49 in
9 to 14 months	268 - 404 kg	114 - 128 cm	6 in 3.05 m	40 cm	30 cm	140 cm
	590 - 790 lbs	45 - 46 in	6 in 10 ft	16 in	12 in	55 in
14 to 20 months	404 - 540 kg	128 - 142 cm	5 in 3.05 m	40 cm	30 cm	140 cm
	790 - 1,190 lbs	45 - 56 in	5 in 10 ft	16 in	12 in	55 in
20 to 24 months & Jerseys	540 - 612 kg	142 - 145 cm	5 in 3.05 m	46 cm	36 cm	153 cm
	1,190 - 1,350 lbs	56 - 57 in	5 in 10 ft	18 in	14 in	60 in
Cows Holsteins	545 - 726 kg	142 - 152 cm	5 in 3.05 m	46 cm	36 cm	153 cm
	1,200 - 1,600 lbs	56 - 60 in	5 in 10 ft	18 in	14 in	60 in
*All specifications in this chart are based on Holstein cows Check with VES-Artex for other Self Lock Lengths for any of these Specific Age Groups Self-Locks 12' (3.6m) and longer require a mid-support pole such as 107242.						

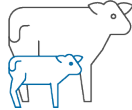


Pro-Pole - Single Unlocking Pole w/Extendable Arm w/Lock Mechanism. Part Number; 106256

Sloped Feedrails and V-Trainers



Sloped feed rails and V-trainers are our non-locking feed front options. These units train young and inexperienced animals how to put their head through smaller spaces, ensuring a smooth transition to self-lock usage. These units promote cow comfort due to their durable construction and bar spacing.



The vertical dividers for the sloped feed rail are laterally adjustable. This allows each producer to customize the cow spacing of each rail for their unique herd. The vertical dividers for the V-Trainer are not adjustable and are welded into place, providing a robust panel without moveable components.

SLOPED FEED RAIL SIZES

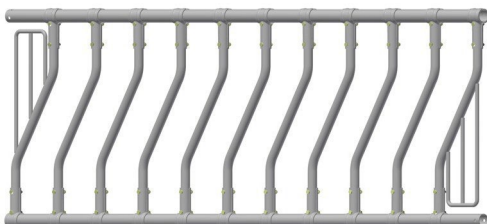
Length		Number of Openings
Imperial	Metric	
7' 11"	2.41m	6
7' 11"	2.41m	7
7' 11"	2.41m	8
7' 11"	2.41m	9
9' 8-15/16"	2.97 m	12
9' 8-15/16"	2.97 m	7
9' 11"	3.02 m	8
9' 11"	3.02 m	9
9' 11"	3.02 m	10
9' 11"	3.02 m	12
11' 11"	3.63 m	12
11' 11"	3.63 m	14



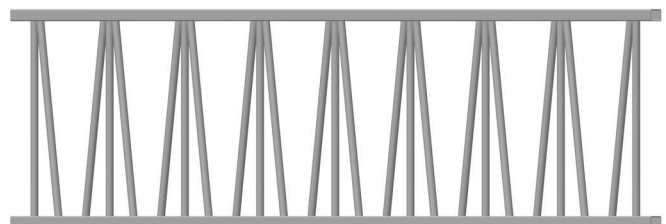
The V-Trainer can be used for cows and heifers of all ages, including mature cows, to help train and encourage their confidence using self-locking panels.

V-TRAINER SIZES

Length		Number of Openings
Imperial	Metric	
10'	3.04 m	6
10'	3.04 m	8
12'	3.65 m	9



SLOPED FEED RAIL



V-TRAINER

Cattle Handling | Feed Fronts

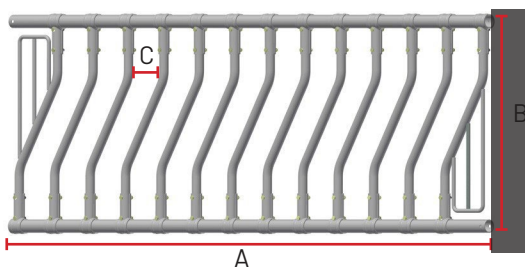
Sloped Feed Rail | Hot Dipped

Part #	Description	# Of openings	Age Group	Length		Overall Height		Head Spacing	
				ft	m	inch	mm	inch	mm
				A		B		C	
106474	Adjustable Sloped Feed Rail	9	Young Stock (0-6 months)	8'	2.44	38-5/8	981	7-1/2	190
106940	Adjustable Sloped Feed Rail	12	Young Stock (0-6 months)	9' 10"	3	38-5/8	981	7	178
106478	Adjustable Sloped Feed Rail	12	Young Stock (0-6 months)	10'	3.05	38-5/8	981	7-3/16	183
106483	Adjustable Sloped Feed Rail	14	Young Stock (0-6 months)	12'	3.66	38-5/8	981	7-5/8	193
106475	Adjustable Sloped Feed Rail	8	Young Stock (6-12 months)	8'	2.44	38-5/8	981	8-5/8	220
106479	Adjustable Sloped Feed Rail	10	Young Stock (6-12 months)	10'	3.05	38-5/8	981	9	228
106482	Adjustable Sloped Feed Rail	12	Young Stock (6-12 months)	12'	3.66	38-5/8	981	9-5/8	245
106476	Adjustable Sloped Feed Rail	7	Heifer (12 - 16 months)	8'	2.44	38-5/8	981	10-1/16	256
106480	Adjustable Sloped Feed Rail	8	Heifer (12 - 16 months)	10'	3.05	38-5/8	981	11-5/8	296
106484	Adjustable Sloped Feed Rail	10	Heifer (12 - 16 months)	12'	3.66	38-5/8	981	9-1/2	242
106477	Adjustable Sloped Feed Rail	6	Mature (14 - 20 months)	8'	2.44	38-5/8	981	12-1/16	307
106481	Adjustable Sloped Feed Rail	7	Mature (14 - 20 months)	10'	3.05	38-5/8	981	13-9/16	344
106485	Adjustable Sloped Feed Rail	9	Mature (14 - 20 months)	12'	3.66	38-5/8	981	12-4/5	326
107319	Fixed Panels Sloped Feed Rail	4	6 - 12 months	5	1.52	28-3/4	731	8-3/8	213
106976	Fixed Panels Sloped Feed Rail	8	12 - 16 months	10'	3.05	28-3/4	731	10-3/8	263
106813	Fixed Panels Sloped Feed Rail	10	0 - 6 months	10'	3.05	28-3/4	731	8-1/8	207

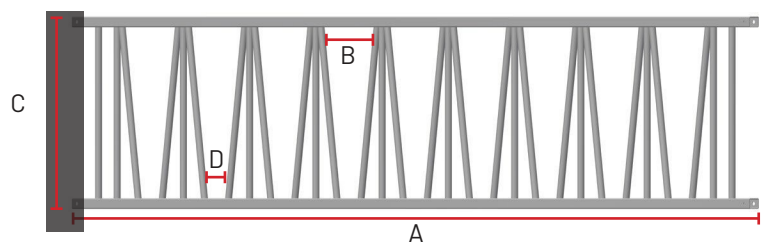
V-Trainer Feed Rail | Hot Dipped

Part #	Description	# Of Openings	Age Group	Length		Head Spacing Top Opening		Overall Height		Head Spacing Bottom Opening	
				ft	m	inch	mm	inch	mm	inch	mm
				A		B		C		D	
106811	Non-Adjustable V-Trainer	8	3 - 6 mo	10'	3.05	10-13/16	275	28-3/4	730.3	4-1/16	104
107231	Non-Adjustable V-Trainer	9	3 - 6 mo	12'	3.66	10-13/16	275	28-3/4	730.3	4-1/16	104
107249	Non-Adjustable V-Trainer	6	6 - 12 mo	10'	3.05	12	305	28-3/4	730.3	4-1/16	103
107758	Non-Adjustable V-Trainer	5	Mature Cow	10'	3.05	17-1/2	445	38-1/16	969.4	7-15/16	201
107759	Non-Adjustable V-Trainer	6	Mature Cow	10'	3.05	15-3/16	386	38-1/16	969.4	7	178

Sloped Feed Rails



V-Trainers



Standard Self Locks



VES-Artex Self Locks help maximize management efficiency by giving producers the ability to restrain many animals at one time for treatments and other health checks. VES-Artex Standard Self Locks are designed with durability in mind; they're built with heavier components, continuous welds, and stronger bushings than other products, providing a better return on investment.

STANDARD FEATURES OF VES-ARTEX SELF LOCKS

- » Rub-free flippers
- » Noise reducing hardware
- » Quick release mechanisms
- » Individual animal lock-ups
- » Auto-open top
- » Bottom blocker
- » Visual locking settings for group
- » Hot-dipped galvanized

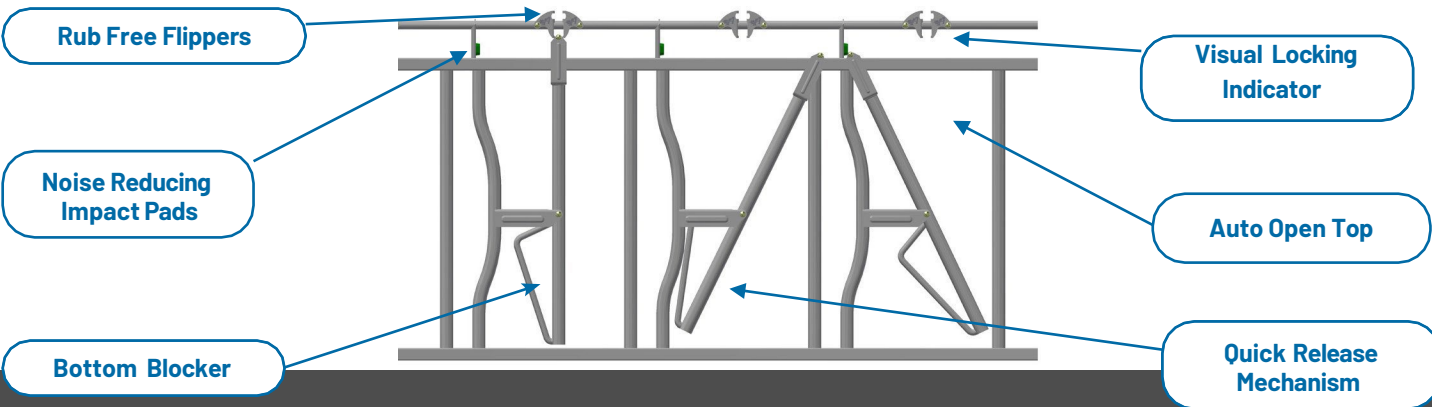
AVAILABLE SIZES



Self-Locks 12' (3.6m) and longer require a mid-support pole such as 107242.

LENGTH		NUMBER OF OPENINGS
IMPERIAL	METRIC	
4' 3"	1.30 m	2
5'	1.50 m	2
5' 4"	1.60 m	2
6' 5"	1.95 m	3
7' 4"	2.25 m	3
7' 9"	2.35 m	4
7' 10"	2.38 m	4
8'	2.44 m	4
8' 2"	2.50 m	4
8' 6"	2.60 m	4
8' 7"	2.67 m	4
9'	2.73 m	4
9' 10"	3.00 m	4
9' 10"	3.00 m	5

LENGTH		NUMBER OF OPENINGS
IMPERIAL	METRIC	
10'	3.05 m	4
10'	3.05 m	5
10' 7"	3.25 m	5
11'	3.34 m	5
11' 3"	3.42 m	5
 12'	3.66 m	5
12'	3.66 m	6
12' 2"	3.71 m	5
12' 2"	3.71 m	6
12' 9"	3.9 m	6
14'	4.27 m	7
15'	4.57 m	7
16' 5"	5.00 m	7
19' 8"	6.00 m	8

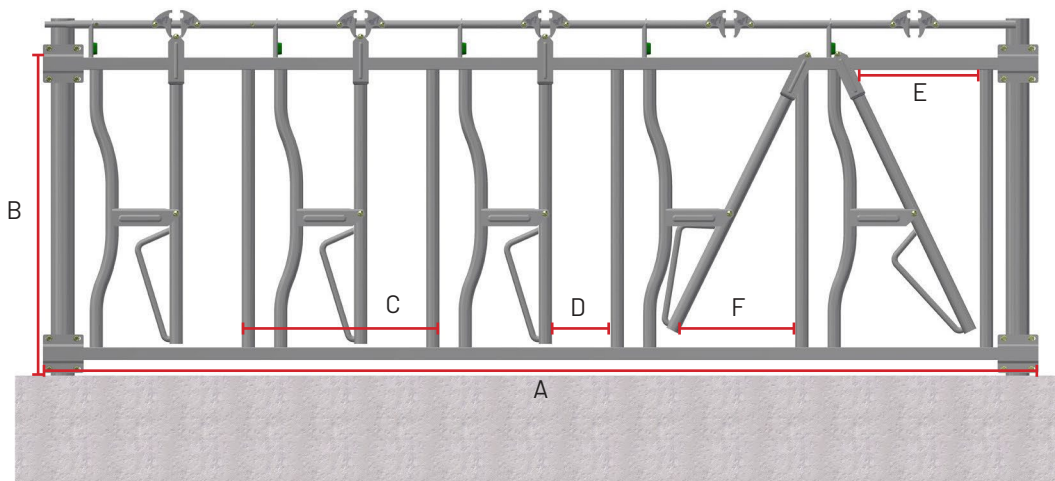


Cattle Handling | Feed Fronts

Standard Self Locks | Mature Holstein | Hot Dipped

Part #	Description	# Of openings	Length (A)		Height from top to bottom of the frame (B)		Animal Spacing (C)		Neck Opening (D)		Top Opening (E)		Bottom Opening (F)	
			ft	m	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
106366	SLG - 1.50M (5') Rail	2	5	1.5	38-1/16	967	29-1/2	750	7-7/16	188	15-3/4	401	15-9/16	396
107671	SLG - 2.44M (8') Rail	3	8	2.44	38-1/16	967	29-1/2	750	7-7/16	188	15-3/4	401	15-9/16	396
106292	SLG - 2.44M (8') Rail	4	8	2.44	38-1/16	967	23-3/16	589	7-7/16	188	15-3/4	401	15-9/16	396
106380	SLG - 3.05M (10') Rail	4	10	3.05	38-1/16	967	28	711	7-7/16	188	15-3/4	401	15-9/16	396
106291	SLG - 3.05M (10') Rail	5	10	3.05	38-1/16	967	23-3/16	589	7-7/16	188	15-3/4	401	15-9/16	396
106746	SLG - 3.34M (11') Rail	5	11	3.34	38-1/16	967	25-3/16	640	7-7/16	188	15-3/4	401	15-9/16	396
106378	SLG - 3.66M (12') Rail	5	12	3.66	38-1/16	967	28	711	7-7/16	188	15-3/4	401	15-9/16	396
106294	SLG - 3.66M (12') Rail	6	12	3.66	38-1/16	967	23-1/16	589	7-7/16	188	15-3/4	401	15-9/16	396

- Please contact your VES-Artex representative if the information of a self-lock you're interested in is not listed above.
- Self-Locks 12' (3.6m) and longer require a mid-support bracket. Please refer to page 111 for mid-support options.

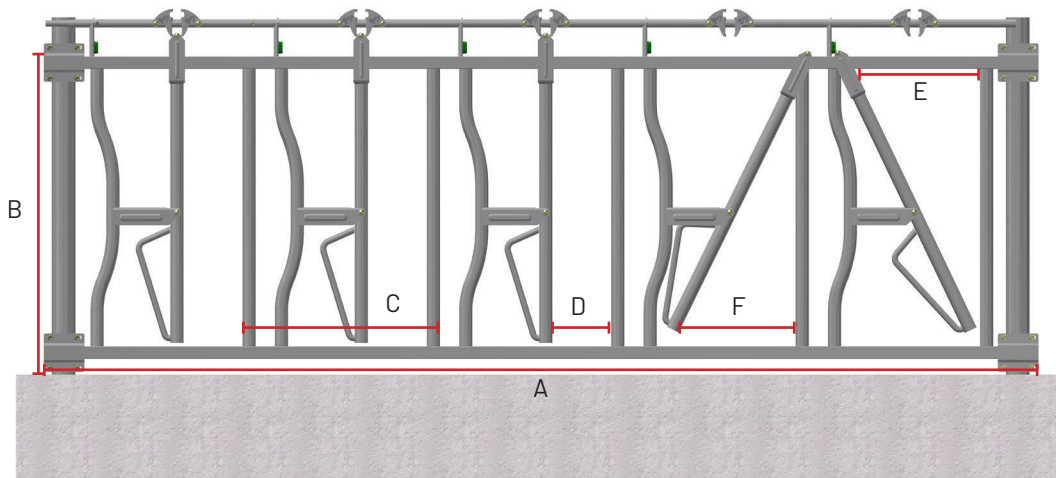


Cattle Handling | Feed Fronts

Standard Self Locks | Heifer Holstein & Mature Cow Jersey | Hot Dipped

Part #	Description	# of opening	Length (A)		Height from top to bottom of the frame (B)		Animal Spacing (C)		Neck Opening (D)		Top Opening (E)		Bottom Opening (F)	
			ft	m	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
107163	SLG - 2.44M (8') Rail	5	8'	2.44	35 3/8	899	17 13/16	453	6 1/2	166	12 7/16	315	11 5/8	296
106700	SLG - 3.0M (9'10") Rail	6	9' 10"	3	35 3/8	899	18 1/2	471	6 1/2	166	12	305	11 5/8	296
107675	SLG - 3.0M (9'10") Rail - Wide Opening	6	9' 10"	3	35 3/8	899	18 3/4	477	6 1/2	165	13 13/16	350	13 5/16	338
107136	SLG - 3.05M (10') Rail	5	10'	3.05	35 3/8	899	23 5/16	592	6 5/8	168	14 1/2	368	12 3/16	310
107134	SLG - 3.05M (10') Rail - Wide Opening	6	10'	3.05	35 3/8	899	18 13/16	478	6 1/2	165	14 1/8	359	13 5/16	338
106257	SLG - 3.05M (10') Rail	6	10'	3.05	35 3/8	899	19	483	6 9/16	166	12 1/16	306	11 5/8	296
106258	SLG - 3.66M (12') Rail	7	12'	3.66	35 3/8	899	19 3/4	502	6 1/2	166	12 1/16	307	11 5/8	296

- Please contact your VES-Artex representative if the information of a self-lock you're interested in is not listed above.
- Self-Locks 12' (3.6m) and longer require a mid-support bracket. Please refer to page 111 for mid-support options.



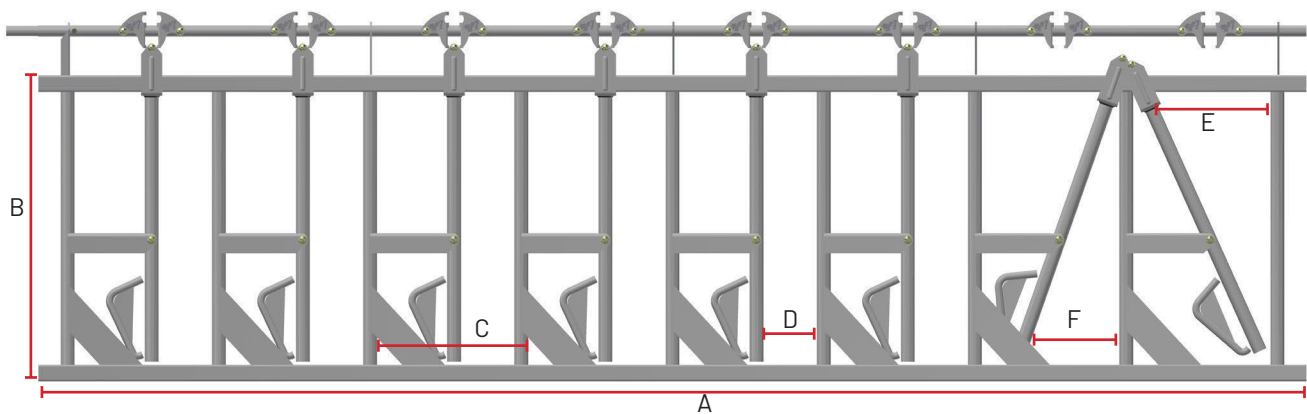
MID SUPPORT TO BOTTOM RAIL NEEDED ON ALL SELF LOCKS LONGER THAN 12' AND FULL HEIGHT MID SUPPORT REQUIRED ON SELF LOCKS LONGER THAN 16'

Cattle Handling | Feed Fronts

Standard Self Locks | Young Stock | 3-6 Mo Holstein & 4-7 Mo Jersey | Hot Dipped

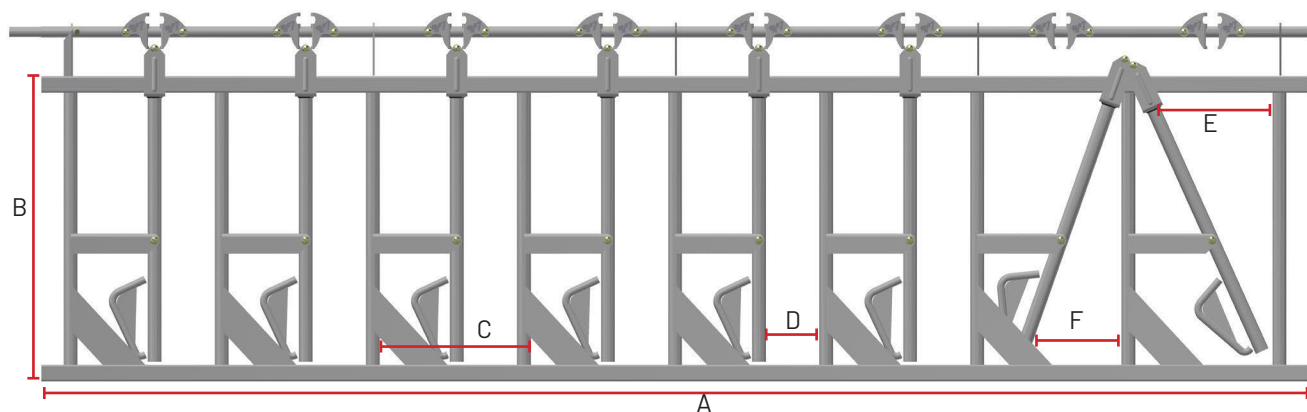
Part #	Description	# Of openings	Length		Height from the top to bottom of the frame		Animal Spacing		Neck Opening		Top Opening		Bottom Opening	
			A		B		C		D		E		F	
			ft	m	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
106701	SLG - 3.0M(9'10") Self Locking Head- Rail	8	9'10"	3	28 13/16	732	13 3/4	349	4 1/2	115	10 1/16	256	8 1/16	204
106267	SLG - 3.05M(10') Self Locking Head- Rail - Special Mount Required	8	10'	3.05	28 13/16	732	14 1/4	362	5	128	11 3/8	290	8 7/8	226
106393	SLG - 3.66M(12') Self Locking Head- Rail	9	12'	3.66	28 13/16	732	14 1/4	362	5 1/2	140	10 7/16	265	10	254

****NOTE: If you are ordering part number 106267 you will need to order Easy Mount Clamp part number 106676**



Standard Self Locks | Young Stock | 6-9 Mo Holstein & 8-12 Mo Jersey | Hot Dipped

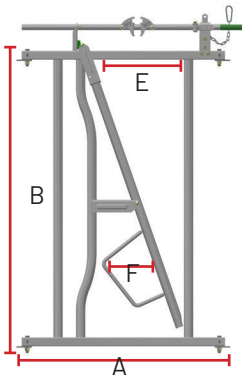
Part #	Description	# Of openings	Length		Height from the top to bottom of the frame		Animal spacing		Neck Opening		Top Opening		Bottom Opening	
			A		B		C		D		E		F	
			ft	m	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
107003	SLG - 2.44M(8') Rail	5	8'	2.44	31 13/16	808	15 1/4	387	6	153	11 7/16	291	10 5/8	270
106698	SLG - 3.0M(9'10") Rail	7	9'10"	3	31 13/16	808	15 1/4	387	6	153	11 7/16	291	10 5/8	269
106266	SLG - 3.05M(10') Rail	7	10'	3.05	31 13/16	808	15 1/4	387	6	153	11 7/16	291	10 5/8	269
106397	SLG - 3.66M(12') Rail	8	12'	3.66	31 13/16	808	15 1/4	387	6	152	11 7/16	291	10 3/4	273



Maternity/Treatment Area Self Locks

Our maternity and treatment area self lockers offer the same great features of our standard self locks with the added flexibility needed to give special attention and birthing cows the ability to lay down or stand as needed.

Maternity/Treatment Area | Hot Dipped



Part #	Description	# Of openings	Length		Height from top to bottom (of the frame)		Neck Opening		Top Opening		Bottom Opening	
			A		B		D		E		F	
			ft	m	inch	mm	inch	mm	inch	mm	inch	mm
106736	SLG - Self Locking Head-Rail Treatment & Maternity Area	1	3'	0.92	52 1/8	1325	7 27/64	188	16	407	14 5/16	364
107237	SLG - 0.91M (3') Self Locking Head Rail Treatment & Maternity Area - Gate*	1	3'	0.91	52 1/8	1325	7 27/64	188	16 1/16	408	14 5/16	363
NOTE: For use with VES-Artex gate hinge and latch sold separately - hinge and stub not included in assembly												

Curved Self-Lock (CSL)



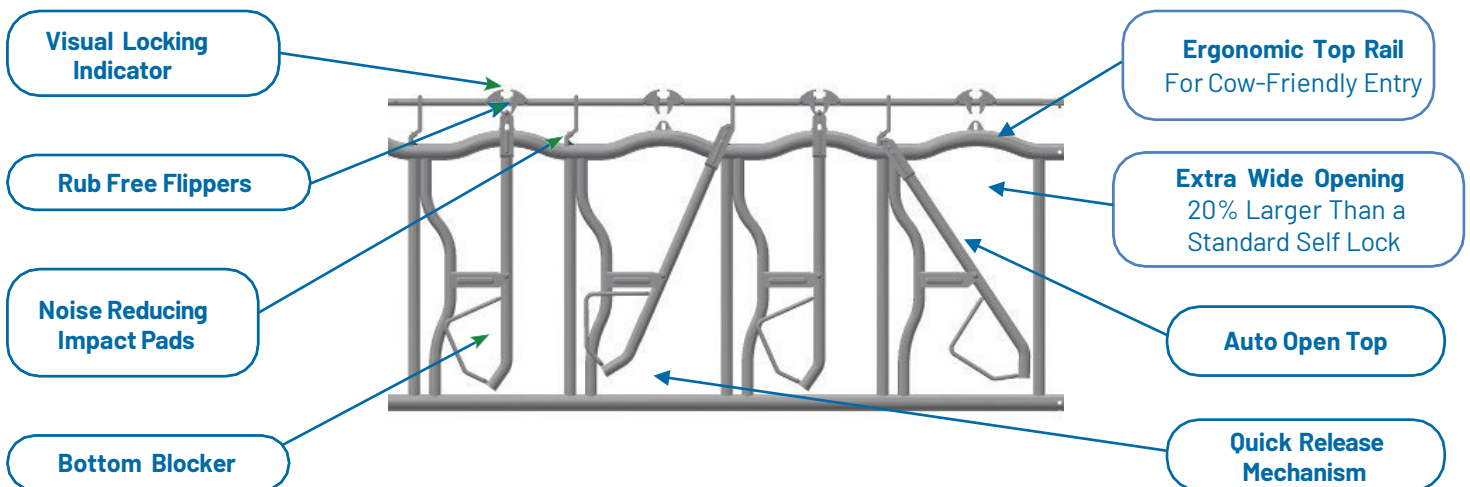
The VES-Artex CSL Self Lock system was designed to offer a large, inviting opening with an ergonomic top rail curved to closely match the shape of a cow's head, making it easier for them to enter. It has an exceptionally wide opening which is 20% larger than our standard self lock, with various panel lengths for mature cows.

CSL headlocks have the same great features as our Standard self locks with:

- » Ergonomic curved top rail for maximum cow comfort and easy entrance
- » Our largest opening, about 20% larger than our Standard Self Lock Series
- » Smart Control Rod for easy installation and replacement

Standard Sizes

Length		Number of Openings
Imperial	Metric	
7' 4.5"	2.25 m	3
8'	2.44 m	4
9'	2.70 m	4
9' 10"	3.00 m	4
10'	3.05 m	4
10'	3.05 m	5
12'	3.66 m	5
12'	3.66 m	6
16'	4.86 m	8

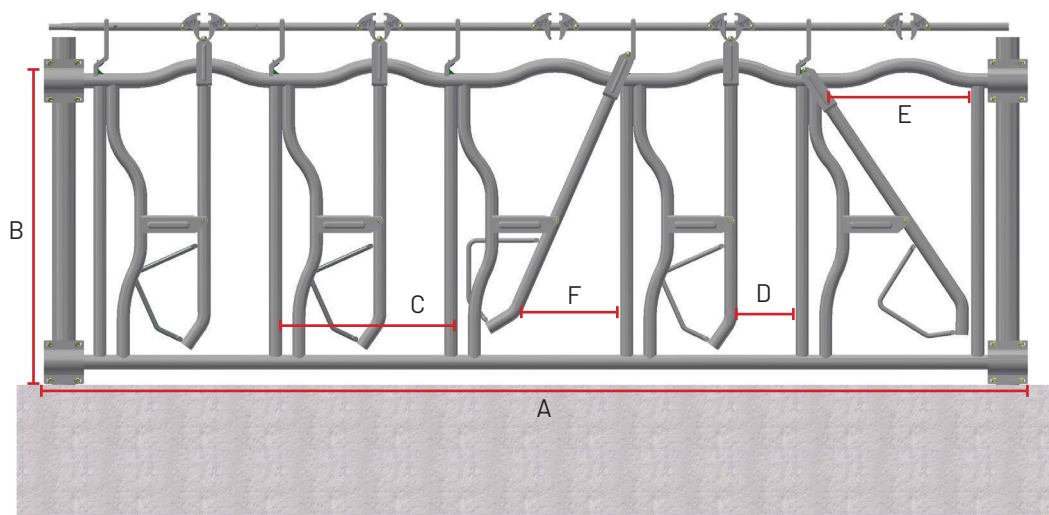


Cattle Handling | Feed Fronts

CSL Self Locks | Mature Cow Holstein | Hot Dipped

Part #	Description	# of Openings	Length		Height from the top to the bottom of the frame		Animal Spacing		Neck Opening		Top Opening		Bottom Opening	
			A		B		C		D		E		F	
			Feet	Meters	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
107160	CSLG – 2.44m (8') Rail	3	8	2.44	40 9/16	1030	29 1/8	740	7 3/8	188	18 1/2	471	15 3/16	385
107147	CSLG – 2.44m (8') Rail – Special Mount Required	4	8'	2.44	40 9/16	1030	22 5/16	567	7 3/8	188	18 1/2	471	15 3/16	385
107394	CSLG – 2.8m (9'2") Rail	4	9' 2"	2.8	40 9/16	1030	27 9/16	700	7 3/8	188	18 1/2	471	15 3/16	385
107064	CSLG – 3.0m (9'10") Rail	4	9' 10"	3	40 9/16	1030	27 9/16	700	7 3/8	188	18 1/2	471	15 3/16	385
107145	CSLG – 3.05m (10') Rail	4	10'	3.05	40 9/16	1030	29 1/8	740	7 3/8	188	18 1/2	471	15 3/16	385
107029	CSLG – 3.05m (10') Rail	5	10'	3.05	40 9/16	1030	22 5/16	567	7 3/8	188	18 1/2	471	15 3/16	385
107301	CSLG – 3.66m (12') Rail	5	12'	3.66	40 9/16	1030	28 3/8	720	7 3/8	188	18 1/2	471	15 3/16	385
107146	CSLG – 3.66m (12') Rail	6	12'	3.66	40 9/16	1030	22 5/16	567	7 3/8	188	18 1/2	471	15 3/16	385

- Please contact your VES-Artex representative if the information of a self-lock you're interested in is not listed above.
- Self-Locks 12' (3.6m) and longer require a mid-support bracket. Please refer to page 111 for mid-support options.





Heavy-Duty Self-Lock (HSL)

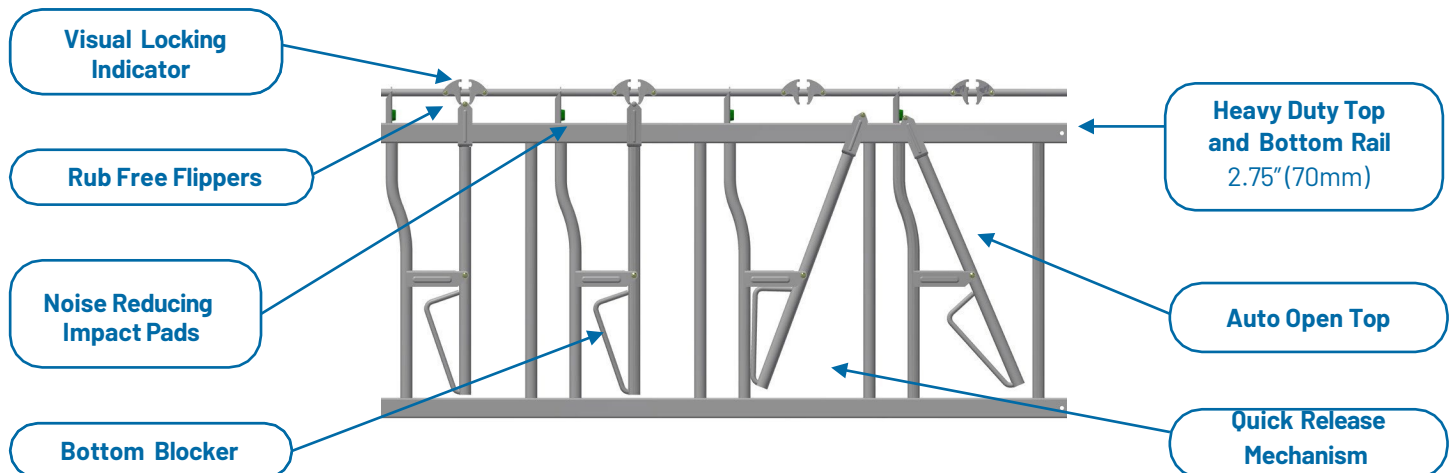
The VES-Artex HSL self lock system offers added stability for tougher applications. This heavy-duty self lock system features a 2.75" (70mm) square top and bottom rail; this enables you to install long runs up to 20' (6m) before needing intermediate post. The HSL self lock is also designed for use with feed stalls.

HSL headlocks have the same great features as our Standard self locks with:

- » 2.75" (70 mm) heavy-duty top rail
- » 2.75" (70 mm) heavy-duty bottom rail
- » Easy connection for feed stalls
- » Fewer intermediate posts required

Standard Sizes

Length		Number of Openings
Imperial	Metric	
8'	2.40 m	3
10'	3.05 m	5
12'	3.66 m	6
13' 5"	4.00 m	6
14'	4.25 m	7
15'	4.56 m	7
16'	4.88 m	8
16'	4.88 m	10

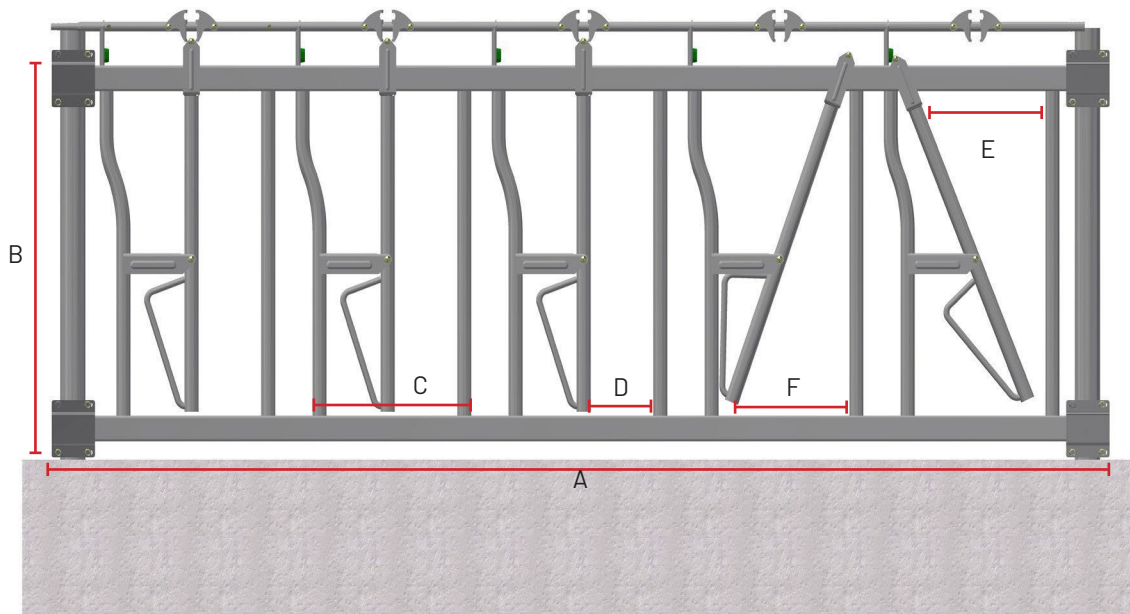


HSL

HSL Self Locks | Mature Cow Holstein | Hot Dipped

Part #	Description	# Of openings	Length		Height from the top to the bottom of the frame		Animal Spacing		Neck Opening		Top Opening		Bottom Opening	
			A		B		C		D		E		F	
			ft	m	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
107420	HSLG - 2.44M(8')Self Locking Head- Rail	3	8'	2.44	40 7/16	1027	31 9/16	802	7 7/16	188	15 5/16	389	14 7/16	367
106420	HSLG - 3.05M(10')Self Locking Head- Rail	5	10'	3.05	40 7/16	1027	23 3/16	589	7 7/16	188	14 7/8	378	12 13/16	325
107149	HSLG - 3.66M(12')Self Locking Head- Rail	6	12'	3.66	40 7/16	1027	23 3/16	589	7 7/16	188	14 7/8	378	13 5/8	346

- Please contact your VES-Artex representative if the information of a self-lock you're interested in is not listed above.
- Self-Locks 12' (3.6m) and longer require a mid-support bracket. Please refer to page 111 for mid-support options.



Wide Self-Lock (WSL)



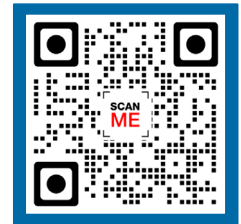
VES-Artex WSL self locks offer an extra-wide top and bottom opening which provides your herd more room to enter and exit the headlock. Our most flexible headlock option, the WSL system, is an excellent solution for larger animals or those not used to headlocks.

WSL headlocks have the same great features as our Standard self locks with:

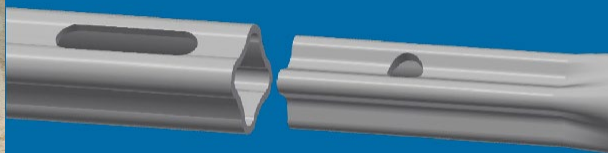
- » 17" (43 cm) top opening
- » 17" (43 cm) bottom opening
- » SMART Control Rod Connector

Standard Sizes

Length		Number of Openings
Imperial	Metric	
8'	2.44 m	4
10'	3.05 m	5
12'	3.66 m	6

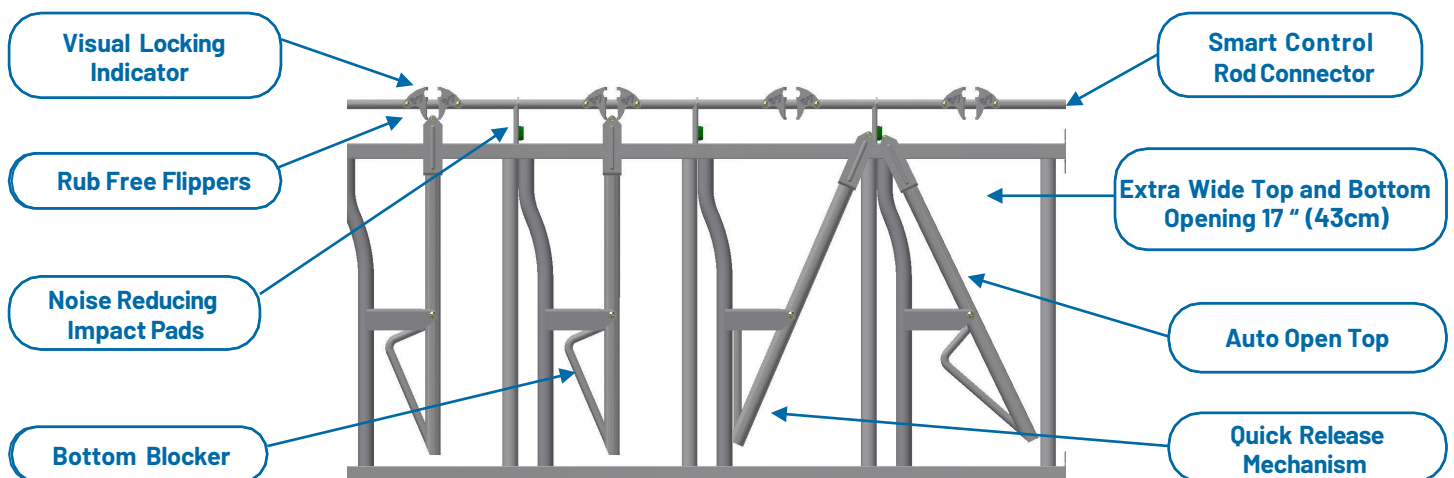


Why is the WSL great?



Smart Control Rod Connector

The WSL self lock system features a round control rod with a **SMART Control Rod Connection**. This makes the installation of the control rods simple and accurate.

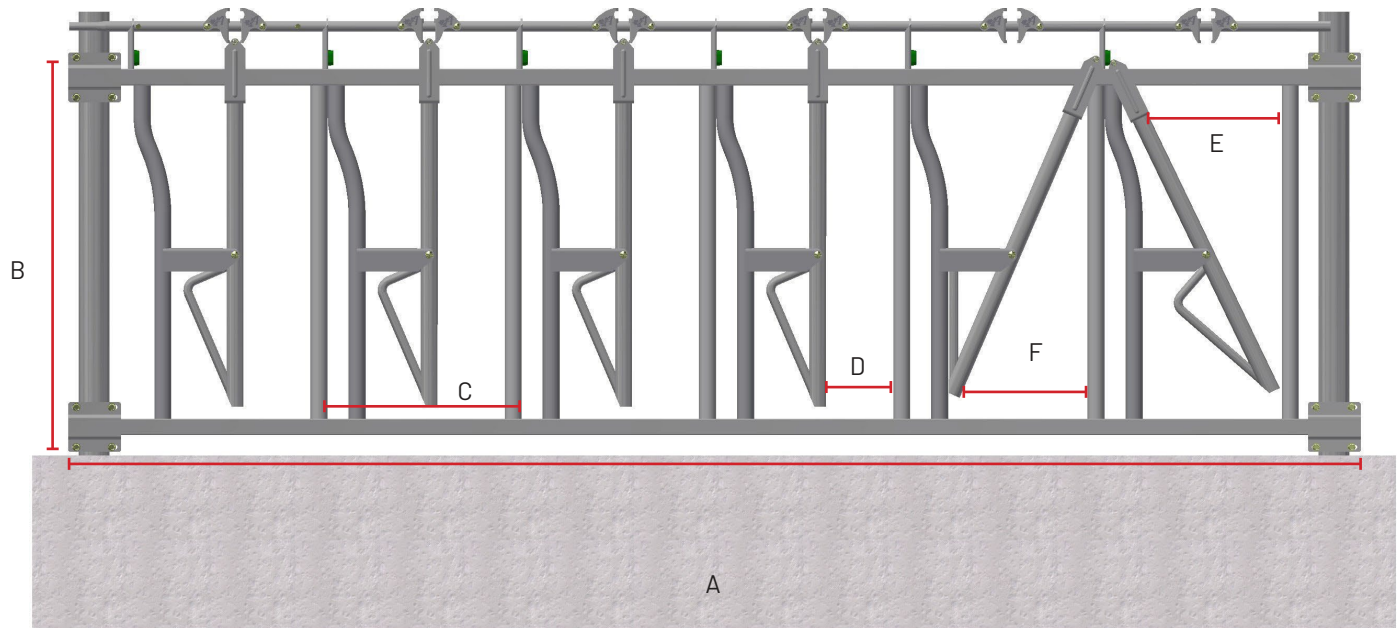


Cattle Handling | Feed Fronts

WSL Self Locks | Mature Cow Holstein | Hot Dipped

Part #	Description	# Of openings	Length		Height from top to bottom (of the frame)		Animal Spacing		Neck Opening		Top Opening		Bottom Opening	
			A		B		C		D		E		F	
			ft	m	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
107335	WSLG - 8'(2.44M) Self Locking Head-Rail	4	8'	2.44	39 1/16	992	22 11/16	576	7 3/4	197	17	432	17	432
107284	WSLG - 10'(3.05M) Self Locking Head-Rail	5	10'	3.05	39 1/16	992	22 13/16	580	7 3/4	197	17	432	17	432
107142	WSLG - 12'(3.66M) Self Locking Head-Rail	6	12'	3.66	39 1/16	992	22 13/16	580	7 3/4	197	17	432	17	432

- Please contact your VES-Artex representative if the information of a self-lock you're interested in is not listed above.
- Self-Locks 12' (3.6m) and longer require a mid-support bracket. Please refer to page 111 for mid-support options.



WHY ARE ALL OUR SELF LOCKS HOT DIPPED?

All components are hot-dipped galvanized after welding to increase the system's durability and longevity. The galvanization protects your investment to ensure the self locks last for years!



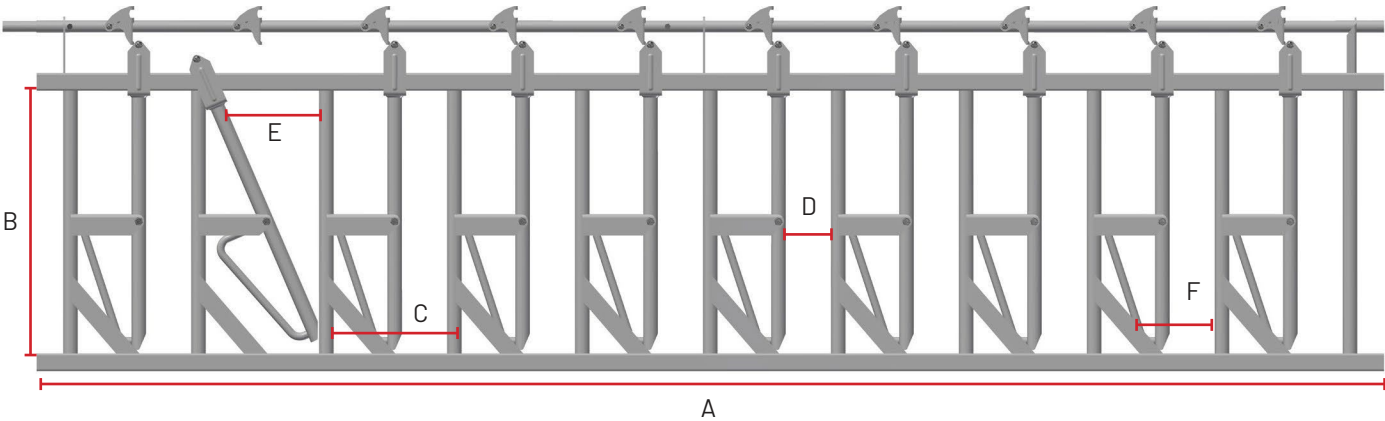
Goat Self Locks

VES-Artex Goat self locks are based on the success of our standard self lock system. Designed to provide farmers with an easy way to restrain large groups of animals, our self locks also give you the ability to restrain individuals and release the rest of the herd.

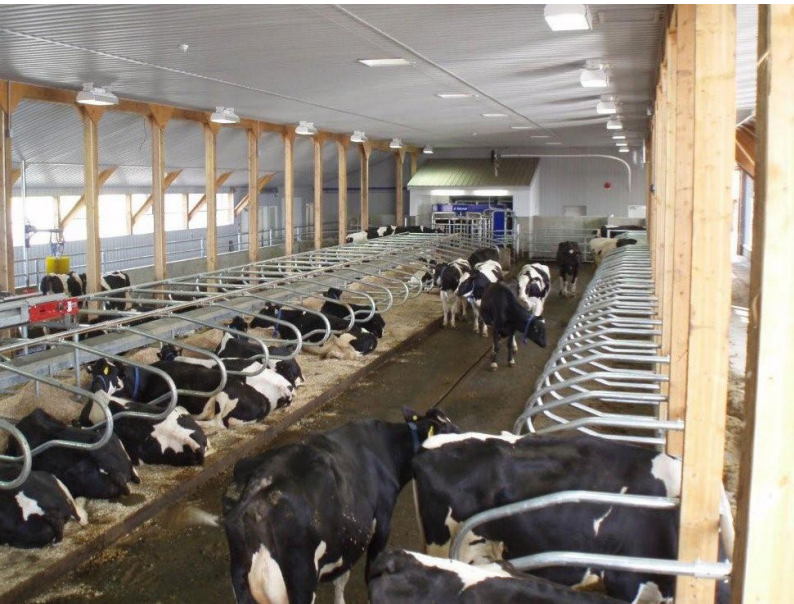
Available in 10 or 11 openings per 10' (3.05 m), all goat self locks come with the following standard features:

- » Bottom blocker
- » Auto-open top
- » Rub free flippers
- » Quick release mechanisms
- » Visual locking setting for group or individual lock-up
- » Pre-galvanized or fully hot dipped galvanized options

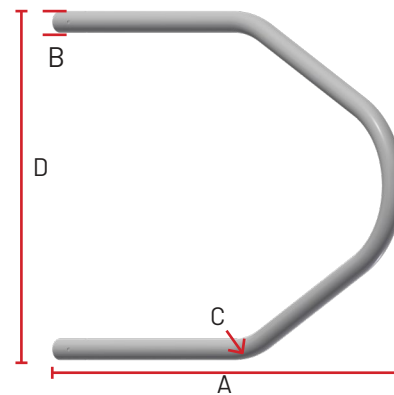
Part #	Description	# Of openings	Length		Height from top to bottom (of the frame)		Animal Spacing		Neck Opening		Top Opening		Bottom Opening	
			A		B		C		D		E		F	
			ft	m	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
107327	GSLG - 10'(3.05m) Self Locking Head-Rail - Special Mount Required	10	10'	3.05	26½	673	11 3/8	288	4	102	8½	216	N/A	N/A



Feed Stalls

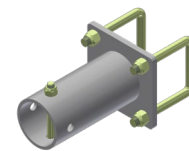


Designed to further optimize feed bunk utilization, VES-Artex feed stalls ensure that cows index properly when using self locks. Available in pre-galvanized and fully hot dipped galvanized options, VES-Artex feed stalls mount directly to the HSL self lock or a feed rail.



Part #	Description	Overall Length		Feed Stall Divider		Wall Thickness		Stall Divider Height (not installation height)	
		A		B		C		D	
		in	m	inch	mm	inch	mm	inch	mm
106974	47-1/8" (1198mm) Feed Stall Divider 2-3/8" (60mm). Pre-galvanized.	47 1/8	1198	2 3/8	60	1/8	3	37 11/16	957
108024	54 5/8" (1389mm) Feed Stall Divider. Pre-galvanized.	54 5/8	1389	2 3/8	60	1/8	3	37 11/16	957

Part #	Description	Clamp Pipe Diameter	
		B	
		in	m
108026	Feed Stall Mounting Clamp to 2 3/8" (60mm) Rail. Hot dipped. Kit (2xMount/Hdw)	2-3/8	60
106960	Feed Stall Mounting Clamp to HSL Self Lock. Hot dipped. Kit (2x Mount/Hdw)	2-3/8	60
107584	Feed Stall Mounting Clamp to 3" (60mm) Post. Hot Dipped. Kit (2xMount/Hdw)	2-3/8	60



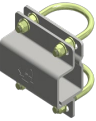
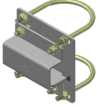
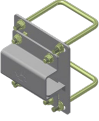
106960 & 107584



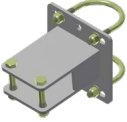
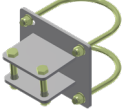
108026

Cattle Handling | Feed Fronts

Standard Self Locks | Easy Mount | Hot Dipped

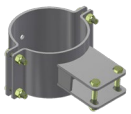
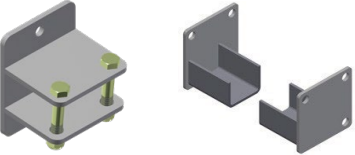
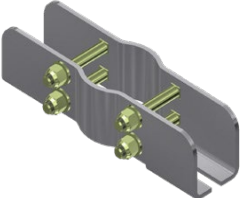
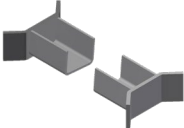
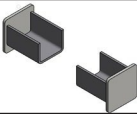
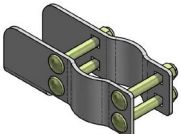
Thumbnail	Part #	Description	Post Type	Post Size		Face Length		QTY Per Kit
				inch	mm	inch	mm	
	106676	Self Lock Easy Mount Clamp - for 8/10 Self Lock	Round	2 7/8 & 3	73 & 76	4 1/4	108	Kit (2 x Clamp/Hdw)
	106497	Self Lock Easy Mount Clamp	Round	2 7/8 & 3	73 & 76	5 1/8	130	Kit (2 x Clamp/Hdw)
	106531	Self Lock Easy Mount Clamp	Round	3 1/2	89	5 1/8	130	Kit (2 x Clamp/Hdw)
	106620	Self Lock Easy Mount Clamp	Round	4	102	5 1/8	130	Kit (2 x Clamp/Hdw)
	106512	Self Lock Easy Mount Clamp	Round	4 1/2	114	5 1/8	130	Kit (2 x Clamp/Hdw)
	107121	Self Lock Easy Mount Clamp	Round	5 9/16	141	5 1/8	130	Kit (2 x Clamp/Hdw)
	107135	Self Lock Easy Mount Clamp	Square	6 x 6	152 x 152	5 1/8	130	Kit (2 x Clamp/Hdw)

Standard Self Locks | Tilt Mount | Hot Dipped

Thumbnail	Part #	Description	Post Type	Post Size		Face Length		QTY Per Kit
				inch	mm	inch	mm	
	107340	Self Lock Extended Tilt Mount Bracket (Top)	Round	2-7/8 & 3	73 & 76	4	102	Kit (1 x Bracket w/ Hardware)
	106977	Self Lock Tilt Mount Bracket (Top)	Round	4 1/2	114	4	102	Kit (1 x Bracket w/ Hardware (Including U-Bolts)
	106611	Self Lock Tilt Mount Bracket (Top) - U-Bolt Not Included	Round & Square	2 7/8, 3, 3 1/2 & 4	73, 76, 89 & 102	4	102	Kit (1 x Bracket w/ Hardware (U-Bolts Not included)

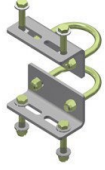
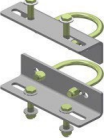
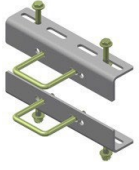
Cattle Handling | Feed Fronts

Standard Self Locks | Tilt Mount | Hot Dipped

Thumbnail	Part #	Description	Post Type	Post Size		Face Length		QTY Per Kit
				inch	mm	inch	mm	
	107529	Self Lock Tilt Mount Bracket (Top)	Round	6 5/8	168	4	102	Kit (1 x Bracket w/ Hardware)
	107365	Self Lock Tilt Mount Bracket (Top) - Weld On (Top)	Square	NA	NA	4	102	Kit (1 x Bracket / Hdw)
	106609	Self Lock Tilt Mount Bracket (Bottom) - Weld On	Square	NA	NA	3 15/16	100	Kit (1 Left, 1 Right Brkt, No Hdw)
	107431	Self Lock Tilt Mount Bracket (Bottom) - Clamp On	Round	3	76	N/A	N/A	Kit (1 x Bracket w/ Hardware)
	107429	Self Lock Tilt Mount Bracket (Bottom) - Clamp On	Round	3 1/2	89	N/A	N/A	Kit (1 x Bracket w/ Hardware)
	107877	Self Lock Tilt Mount Bracket (Bottom) - Bolt On	Round	4	102	N/A	N/A	Kit (bracket w/ Hardware)
	107432	Self Lock Tilt Mount Bracket (Bottom) - Clamp On	Round	4 1/2	114	N/A	N/A	Kit (1 x Bracket w/ Hardware)
	107435	Self Lock Tilt Mount Bracket (Bottom) - Clamp On	Round	6 5/8	168	N/A	N/A	Kit (1 x Bracket w/ Hardware)
	107528	Self Lock Tilt Mount Bracket (Bottom) - Weld On	Round	6 5/8	168	N/A	N/A	Kit (1 Left, 1 Right Brkt, No Hdw)
	106617	Self Lock Tilt Mount Bracket - Weld On (Bottom)	Round	2 7/8, 3 & 3 1/2	73, 76 & 89	N/A	N/A	Kit (1 Left, 1 Right Brkt, No Hdw)
	107364	Self Lock Tilt Mount Bracket (Bottom) - Weld On	Square	NA	NA	2 3/4	70	Kit (1 left, 1 Right Brkt)
	108044	Self Lock Tilt Mount Bracket End of Row (Bottom) - Clamp On	Round	3	76	N/A	N/A	1 EA
	106059	Self Lock Tilt Mount Bracket End of Row (Bottom) - Clamp On	Round	4	102	N/A	N/A	1 EA

Cattle Handling | Feed Fronts

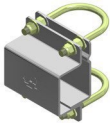
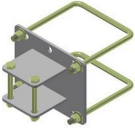
Standard Self Locks | Angle Bracket Mount | Hot Dipped

Thumbnail	Part #	Description	Post Type	Post Size		Face Length		QTY Per Kit
				inch	mm	inch	mm	
	106568	Self Lock Angle Bracket Mount	Round	2 7/8 & 3	73 & 76	5 1/2	140	Kit (2 x Bracket/Hdw)
	106569	Self Lock Angle Bracket Mount	Round & Square	2 7/8 & 3	73 & 76	8 1/4	210	Kit (2 x Bracket/Hdw)
	106570	Self Lock Angle Bracket Mount	Round & Square	2 7/8 & 3	73 & 76	12 3/8	315	Kit (2 x Bracket/Hdw)
	107241	Self Lock Angle Bracket Mount	Square	3 1/8 x 3 1/8	80 x 80	12 3/8	315	Kit (2 x Bracket/Hdw)

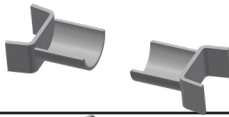
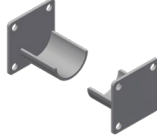
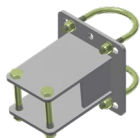
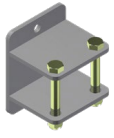
Standard Self Locks | Hinge Mount | Hot Dipped

Thumbnail	Part #	Description	Post Type	Post Size		Face Length		QTY Per Kit
				inch	mm	inch	mm	
	106803	Self Lock Hinge Bracket	Round	2 7/8 & 3	73 & 76	5 1/2	140	Kit (2 x Brkt/Hdw)
	106721	Self Lock Hinge Bracket	Round	3 1/2	89	5 1/2	140	Kit (2 x Brkt/Hdw)
	106725	Self Lock Hinge Locking Pin	n/a	n/a	n/a	n/a	n/a	1 EA
	106622	Wheel Kit for Hinged Self Locker	1246	-	49 1/16	Standard SL	-	No Swivel
	106556	Wheel Kit for Hinged Self Locker	1246	-	49 1/16	Standard SL	-	Swivel
	106722	Self Lock Wood Plank Bracket	n/a	n/a	n/a	21	533	1 EA

Cattle Handling | Feed Fronts

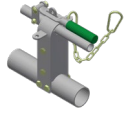
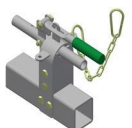
Thumbnail	Part #	Description	Post Type	Post Size		Face Length		QTY Per Kit
				inch	mm	inch	mm	
	106595	HSL Self Lock Easy Mount Clamp. Hot Dipped.	Round	2-7/8 & 3	73 & 76	5-1/8	130	Kit (2 x Clamp/Hdw)
	106817	HSL Self Lock Tilt Mount Bracket (Top). Hot Dipped.	Round & Square	2-7/8, 3, 3-1/2 & 4	73, 76, 89 & 102	5-1/8	130	Kit (1 x Bracket w/ Hardware (U-Bolts Not included))
	106634	HSL Self Lock Tilt Mount Bracket (Bottom). Hot Dipped.	Square	2-3/4 x 2-3/4	Wood Posts	4-5/16	110	Kit (1 Left, 1 Right Brkt, No Hdw)
	106687	HSL Self Lock Pinch Mount. Hot Dipped.	Square	6 x 6	152 x 152	4	102	Kit (2 x Clamp/Hdw)
	106957	HSL Self Lock Wood Plank Bracket. Hot Dipped.	n/a	Wood Only	Wood Only	n/a	n/a	1 EA
	106725	Self Lock Hinge Locking Pin. Hot Dipped.	n/a	n/a	n/a	n/a	n/a	1 EA

Cattle Handling | Feed Fronts

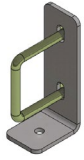
Thumbnail	Part #	Description	Post Type	Post Size		Face Length		QTY Per Kit
				inch	mm	inch	mm	
	107120	CSL Self Lock Easy Mount Clamp. Hot Dipped.	Round	2-7/8 & 3	73 & 76	5-1/8	130	Kit (2 x Clamp/Hdw)
	107263	CSL Self Lock Easy Mount Clamp. Hot Dipped.	Round	3 1/2	89	5-1/8	130	Kit (2 x Clamp/Hdw)
	118468	CSL Self Lock Easy Mount Clamp. Hot Dipped.	Round	4	102	5-1/8	130	Kit (2 x Clamp/Hdw)
	106648	CSL Self Lock Easy Mount Clamp. Hot Dipped.	Round	4 1/2	114	6 1/3	160	Kit (2 x Clamp/Hdw)
	106645	CSL Self Lock Tilt Mount Bracket (Bottom) - Weld On. Hot Dipped.	Round	2-7/8, 3, & 3-1/2	73, 76 & 89	NA	NA	Kit (1 Left, 1 Right Brkt, No Hdw)
	107312	CSL Self Lock Tilt Mount Bracket (Bottom) - Weld On. Hot Dipped.	Square	All Posts	All Posts	NA	NA	Kit (1 Right, 1 Left Brkt, No Hdw)
	107161	CSL Self Lock Extended Tilt Mount Bracket (Top). Hot Dipped.	Round	2 7/8 & 3	73 & 76	4	102	Kit (1 x Brkt/Hdw)
	106644	CSL Self Lock Pinch Mount (Top). Hot Dipped.	Round	2-7/8, 3, 3-1/2, & 4	73, 76, 89, & 102	5 1/8	130	Kit (1 x Brkt/U-Bolts Not Included)
	107525	CSL Self Lock Tilt Mount Bracket (Top) - Weld On. Hot Dipped.	Square	All Posts	All Posts	4	102	Kit (1 x Brkt/Hdw)
	106724	Sloped Feed-Rail Hinge Bracket. Hot Dipped.	Round	3	73/76	N/A	N/A	Kit (2 x Brkt/Hdw)
	106726	Sloped Feed-Rail Hinge Locking Pin. Hot Dipped.	NA	N/A	N/A	N/A	N/A	1 EA
	106727	Sloped Feed-Rail Gate - Wood Plank Mounting Bracket. Hot Dipped.	NA	N/A	N/A	N/A	N/A	Kit (1 x Mount/Hdw)
	107778	CSL Self Lock Angle Bracket Mount. Hot Dipped.	Round	2-7/8 & 3	73 & 76	12-3/8	315	Kit (2 x Bracket/Hdw)

Cattle Handling | Feed Fronts

Control Handle | Hot Dipped

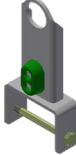
Thumbnail	Part #	Description	Rod	Associated With	Qty per Kit
	106643	Control Handle. Hot Dipped.	Round	Standard	Kit (1 x Handle/Tube Support/Hdw)
	106656	Control Handle. Hot Dipped.	Round	CSL	Kit (1 x Handle/Tube Support/Hdw)
	106657	Control Handle (2018). Hot Dipped.	Round	WSL	Kit (1 x Handle/Tube Support/Hdw)
	106651	Control Handle. Hot Dipped.	Round	HSL	Kit (1 x Handle/Tube Support/Hdw)

Accessories | Self Lock Mid Support | Hot Dipped

Thumbnail	Part #	Description	Mounting Style	Face Length		QTY Per Kit
				inch	mm	
	107242	Self Lock Mid Support Curb Face Bracket for Standard & WSL	Flush Mount	3 9/16	90	1 EA
	107526	Self Lock Mid Support Angle Bracket for Standard and WSL	Flush and Tilt Mount	2 3/8	60	1 EA
	107850	Self Lock Mid Support Angle Bracket for CSL Self Locks	Flush and Tilt Mount			1 EA
	107527	Self Lock Mid Support Angle Bracket for HSL Self Locks	Flush and Tilt Mount	3-1/8 x 2-3/4	79 x 70	1 EA

Cattle Handling | Feed Fronts

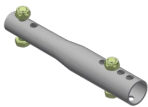
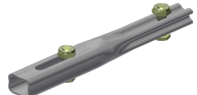
Accessories | Self Lock Bolt on Towers | Hot Dipped

Thumbnail	Part #	Description	Quantity per Kit
	107582	Bolt On Tower - Standard Self Lock	1 EA
	107785	Bolt On Tower - CSL Self Lock	1 EA
	107944	Bolt On Tower - HSL Self Lock	1 EA
	107960	Bolt On Tower - WSL Self Lock	1 EA

Accessories | Wheel Kit | Various Finishes

Thumbnail	Part #	Description	Post Size		Compatible with	Wheel Swivel
			inch	mm		
  106622 & 106556	106622	Wheel Kit for Hinged Self Locker	49 1/16	1246	Standard Self Lock	No
	106556	Wheel Kit for Hinged Self Locker	49 1/16	1246	Standard Self Lock	Yes
	107114	Wheel Kit for CSL HD Hinged Self Locker	49 1/16	1246	CSL and HSL	Yes

Accessories | Control Rod Connector | Hot Dipped

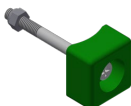
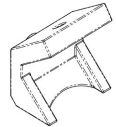
Thumbnail	Part #	Description	Connector Size		Connector End Shape
			inch	mm	
	106548	Self Lock Operator Bar Connector	6 5/8	168	Round
	106583	Self Lock Round Operator Bar Connector	10 1/2	266	Round
	107567	CSL Self Lock SMART Operator Bar	8 1/8	206	Round
	107570	CSL Self Lock SMART Operator Bar	7 1/8	180	Round

Cattle Handling | Feed Fronts

Accessories | Lock Up Brackets | Hot Dipped

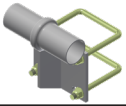
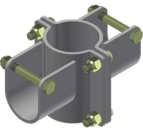
Thumbnail	Part #	Description
	107082	HSL Self Lock Individual Lock Up Brackets for HSL Self Lock Flippers
	106235	Self Lock Individual Lock Up Brackets for Standard and WSL Self Lock
	107872	CSL Individual Lock Up Pin
	107859	CSL Individual Lock Up Pin Storage Bracket - U-Bolt & Lock Up Pins Not Included

Self Lock Components | Replacement Parts

Thumbnail	Part #	Description	Quantity
	107490	CSL Self Lock Rubber Bumper	Kit - 1 x Rubber Bumper (#27153) 1 x Screw (#108496) 1 x Locknut (#108492) 1 x Washer (#108494)
	106543	Self Lock Adjustable Upright - Heifer Height	1 EA
	106242	Self Lock Plastic Sleeve for Swing Arm - for All Self Locks	1 EA
	106571	Self Lock Rubber Dampener - for Standard Self Lock	Kit (1 EA/Hdw)
	107127	Self Lock Adjustable Upright - Mature Cow Height	1 EA
	107282	WSL Self Lock Rubber Bumper	1 EA
	107383	CSL Press In Rubber Bumper	1 EA

Cattle Handling | Feed Fronts

Adjustable Feed Rail Components | Post & Hinge Mount | Hot Dipped

Thumbnail	Part #	Description	Post Type	Post Size		QTY Per Kit
				inch	mm	
	106436	Sloped Feed Rail Internal Mount	Round	2 7/8 & 3	73 & 76	Kit (2 x Mounts/Hdw)
	106437	Sloped Feed Rail Internal Mount	Round	3 1/2	89	Kit (2 x Mounts/Hdw)
	107513	Sloped Feed Rail Mount Between Posts. Weld-on Mount.	Round	3	76	Kit (2 x Mount/Hdw)
	106724	Sloped Feed-Rail Hinge Bracket	Round	3	76	Kit (2 x Brkt/Hdw)
 106726	106726	Sloped Feed-Rail Hinge Locking Pin	NA	N/A	N/A	1 EA
	106727	Sloped Feed-Rail Gate - Wood Plank Mounting Bracket	NA	N/A	N/A	Kit (1 x Mount/Hdw)

Adjustable Sloped Feed Rail Components | Divider Assembly | Hot Dipped

Thumbnail	Part #	Catalog Description	Qty per kit
 106459	106459	Sloped Feed Rail Adjustable Divider	Kit (1 x Divider/Hdw)
	106494	Sloped Feed Rail End of Frame Blocker - Need 2 per Panel	Kit (1 x Divider/Hdw)
	107144	Sloped Feed-Rail Clamp	1 Clamp (2 x Bracket/Hdw)

Adjustable Sloped Feed Rail Tube | Hot Dipped

Thumbnail	Part #	Catalog Description	Length		Outside Diameter		Qty per kit
			ft	m	inch	mm	
	106261	Sloped Feed Rail Top and Bottom Rails	8'	2.44	2 3/8	60	1 EA
	106260	Sloped Feed Rail Top and Bottom Rails	10'	3.02	2 3/8	60	1 EA
	106259	Sloped Feed Rail Top and Bottom Rails	12'	3.6	2 3/8	60	1 EA

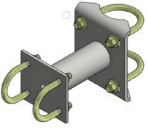
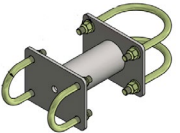
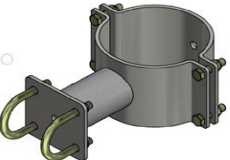
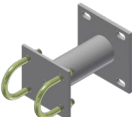
Cattle Handling | Feed Fronts



Feed Rails & Feed Rail Mounting Clamps

VES-Artex provides a wide variety of feed rail mounting options. Complete your feed rail system order by visiting our Pipe & Post section.

Visit Our Pipe & Post section for additional information

Thumbnail	Part #	Description	Post Size		Feed Rail Size		Feed Rail Offset		QTY Per Kit
			inch	mm	inch	mm	inch	mm	
	106628	Feed Rail Mounting Clamp, Round Post.	2 7/8 & 3	73 & 76	2 3/8	60	6	152	Kit (1 x Clamp/Hdw)
	116611	Feed Rail Mounting Clamp	4	102	2-3/8	60			Kit (1 x Clamp / Hdw)
	109392	Feed Rail Mounting Clamp	4-1/2	114	2-3/8	60			Kit (1 x Clamp / Hdw)
	117499	Feed Rail Mounting Clamp	5-9/16	141	2-3/8	60			Kit (1 x Clamp / Hdw)
	106980	Feed Rail Mounting Clamp for Round Post	6 5/8	168	2 3/8	60	5	127	Kit (1 x Clamp/Hdw)
	107090	Feed Rail Mounting Clamp - Bolt On for Wood Post	NA	NA	2 3/8	60	6 9/16"	167	Kit (1 x Clamp / Hdw)

Aqua Dumps

Easy access to clean water is a necessity for every herd. The Aqua Dumps from VES-Artex can be positioned at the optimal height for cows' consumption while also providing a clean vessel for the water. While most troughs are slow to drain and tough to clean, VES-Artex Aqua Dump Water Troughs have been designed to make the process quick and easy. The smooth construction ensures dirt, feed, and other foreign objects don't adhere to the trough.

VES-Artex Aqua Dumps can be floor or wall-mounted. Leg extensions are available to ensure the trough is installed at the optimal height. Select from multiple float designs

Aqua Dumps and Shallow Aqua Dumps with dumping capabilities are available with hot-dipped galvanized construction.

Standard Aqua Dumps

- Available Sizes -

Length ranges from 2' to 15' (150cm to 464cm).

Capacity ranges from 21 gallons to 172 gallons (79 liters to 653 liters).

Shallow Aqua Dumps

- Available Sizes -

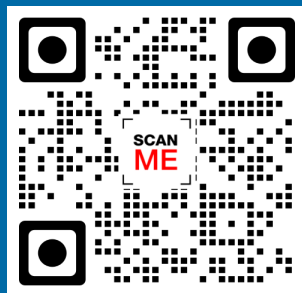
Length ranges from 4' to 12' (150cm to 391cm).

Capacity ranges from 39.4 gallons to 123 gallons (149 liters to 465 liters).

Encourage milk production by providing abundant, clean water for the herd.

"They looked very simple, very easy to clean. They had the capacity for the water we wanted in each pen and in the cross overs. They're rock solid".

- Kurt Wierda
General Manager
Perry Creek Dairy

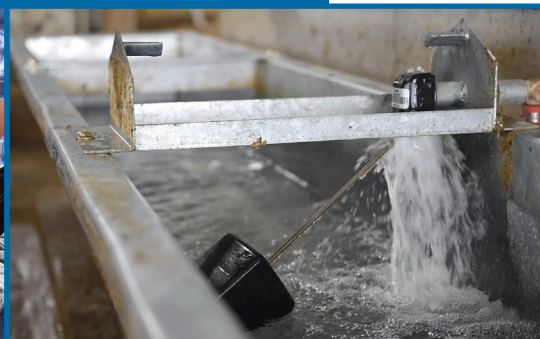


Looking for a non-dumping trough option?

We've got you covered. VES-Artex Non-Dumping Water Troughs feature the same easy access float design and can be floor or wall mounted. For more information, please contact us.



Two Piece Hood Design



Easy Access Float

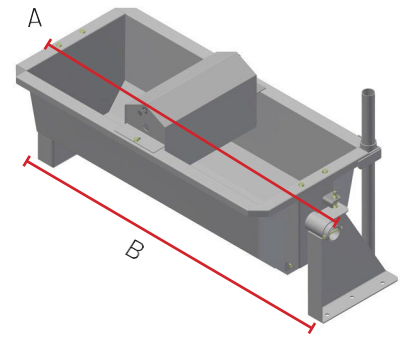


Simple

Cattle Handling | Aqua Dumps

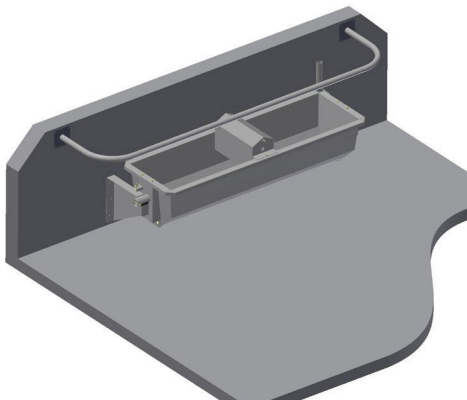
Aqua Dump Assembly Kits | Stainless Steel

Part #	Description	Overall Length		Volume	
		ft	cm	Gal US	Liter
		A			
106652	Aqua Dump Kit 122cm(4')	4	122	46	170
107098	Aqua Dump Kit 183cm(6')	6	183	68	260
107271	Aqua Dump Kit 213cm(7')	7	213	81	305
107087	Aqua Dump Kit 244cm(8')	8	244	92	350
107115	Aqua Dump Kit 305cm(10')	10	305	115	435
107099	Aqua Dump Kit 365cm(12')	12	366	138	520
116727	Aqua Dump Kit 427cm(14')	14	427	160	607
107122	Aqua Dump Kit 457cm(15')	15	457	172	653

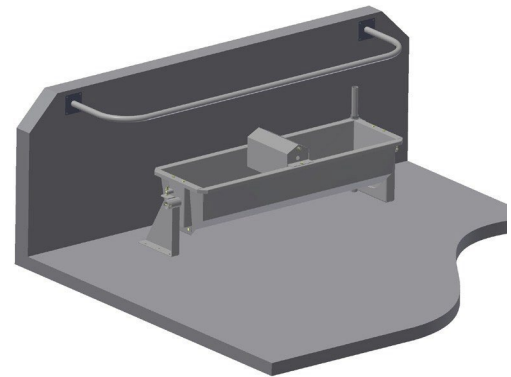


Aqua Dump Assembly Kits | Hot Dipped

Part #	Description	Overall Length		Volume	
		ft	cm	Gal US	Liter
		A			
106742	Aqua Dump Kit 60cm (2')	2	60	21	79
106530	Aqua Dump Kit 122cm (4')	4	122	46	170
106500	Aqua Dump Kit 183cm (6')	6	183	68	260
107741	Aqua Dump Kit 213cm (7')	7	213	79	303
106502	Aqua Dump Kit 244cm (8')	8	244	92	350
 106504	Aqua Dump Kit 305cm (10')	10	305	115	435
106506	Aqua Dump Kit 365cm (12')	12	366	138	520
107771	Aqua Dump Kit 427cm (14')	14	427	160	607
107455	Aqua Dump Kit 457cm (15')	15	457	173	653



Wall Mount Aqua Dump



Floor Mount Aqua Dump

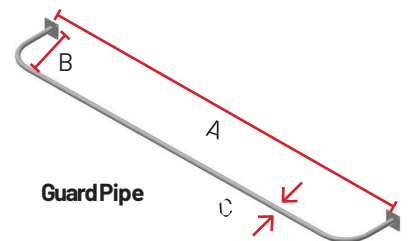
Cattle Handling | Aqua Dumps

Aqua Dump – Tub Only | Hot Dipped

Part #	Description	Overall Length (A)		Tub Size (B)		Volume	
		ft	cm	inch	mm	Liter	Gal US
106743	Aqua Dump - Tub Only 60cm (2')	28 1/4	717	27 15/16	710	79	21
106345	Aqua Dump - Tub Only 122cm (4')	50 11/16	1287	50 13/16	1291	170	46
106308	Aqua Dump - Tub Only 183cm (6')	74 11/16	1897	74 11/16	1897	260	68
106311	Aqua Dump - Tub Only 244cm (8')	98 5/16	2497	98 5/16	2497	350	92
106312	Aqua Dump - Tub Only 305cm (10')	122 3/4	3117	122 11/16	3116	435	115
106313	Aqua Dump - Tub Only 366cm (12')	146 3/4	3727	146 3/4	3727	520	138

Aqua Dump – Guard Pipe | Hot Dipped

Part #	Description	Overall Length (A)		Distance from Wall (B)		Pipe Size (C)	
		ft	cm	inch	mm	Inch	mm
106987	Aqua Dump Guard Pipe - 285cm (9') Long	9' 4 3/8"	2854	22 5/8	574	1 7/8	48
106988	Aqua Dump Guard Pipe - 305cm (10') Long	10' 4 3/8"	3158	22 5/8	574	1 7/8	48
106989	Aqua Dump Guard Pipe - 335cm (11') Long	11' 4 3/8"	3463	22 5/8	574	1 7/8	48
106990	Aqua Dump Guard Pipe - 366cm (12') Long	12' 4 3/8"	3768	22 5/8	574	1 7/8	48
107025	Aqua Dump Guard pipe - 407cm (13') Long	13' 4 3/8"	4073	22 5/8	574	1 7/8	48
106984	Aqua Dump Guard pipe w/Center Support - 366cm (12') Long	12' 4 3/8"	3768	22 5/8	574	1 7/8	48



Aqua Dump – Replacement Parts | Hot Dipped

Part #	Description	Details
106309	Aqua Dump - Support Leg Assembly, Left Side	1 EA - Leg Only No/Hdw
106307	Aqua Dump - Support Leg Assembly, Right Side	1 EA - Leg Only No/Hdw
116057	End Pivot Assembly (Left)	Kit (1 x Assembly/Hdw)
116056	End Pivot Assembly (Right)	Kit (1 x Assembly/Hdw)
106515	Float Valve Housing Kit - Hot Dipped	Kit (1 x Hood/Hdw)
107102	Float Valve Housing Kit - Stainless Steel	Kit (1 x Hood/Hdw)
106310	Locking Tub Handle	1 EA - Handle
106203	Lynch Pin 40mm (1 9/16") OD w/40mm (1 9/16") Pin - Stainless Steel	1 EA
106125	Lynch Pin 41mm (1 5/8") OD w/36mm (1 7/16") Pin - Zinc Plated	1 EA

Aqua Dump – Riser | Hot Dipped

Thumbnail	Part #	Description
	106545	Aqua Dump Riser 15cm (6") - Hot Dipped Galvanized
	106546	Aqua Dump Riser 30cm (12") - Hot Dipped Galvanized
	109391	Aqua Dump Riser 6" (15mm) - SS
	107663	Aqua Dump Riser 8" (20mm) - SS

Thumbnail	Part #	Description
	102727	Valve, Dump Tank, Jobe, TPV1" D

Part #	Description
119025	Aqua Dump Plumbing Protection Panel With Removable Poly Panel

Mighty Moo

Powered Cow Brush

Encourage hygiene, milk production, and environmental enrichment for your herd with a powered cow brush from VES-Artex. The brush automatically rotates when a cow engages with it and can rotate in both clockwise and counter-clockwise directions, ensuring their tail doesn't get stuck. The rocking motion allows the brush to reach where a static brush can't.

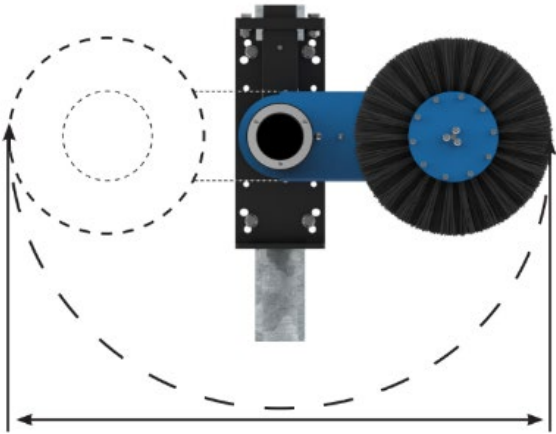
The durability of the bristles and mechanics boast a three-year warranty although we recommend replacing the bristles every two years to maintain the herd's hygiene. The modular components make the brush's assembly and installation simple. A certified electrician is needed to hardwire the brush.



MIGHTY MOO COW BRUSH PART NUMBER: 118493

TECHNICAL INFORMATION

Brush frame dimensions	47 x 32 x 15 inches (1200 x 820 x 390 mm)
Brush diameter	15 inches 390 mm
Power Supply	110V 60Hz/230V 50Hz
Power usage	0.12kWh
Weight	99 lbs 45 kg
Brush rotation speed	58 rpm
Movement	Rocking
Direction of Rotation	Clockwise and counter-clockwise



Swinging Diameter
49 inches
(1010 mm)



VES-Artex's Powered Cow Brush is CE certified and UL listed.



Order the Mighty Moo online

1 PALLET = 15 BRUSHES

Cattle Handling | Cow Flow & Management

Strategic barn design is vital because construction is an investment, and like any investment, it needs to produce a return. We understand that construction is costly, and because of this, we strive to ensure that labor requirements and costs are kept as low as possible while at the same time providing a long-term return on investment. For this reason, VES-Artex cow flow management products have been designed with fast, efficient installation and long-term durability in mind.

VES-Artex fencing solutions do not require additional maintenance and provide years of reliable, trouble-free use. Our gates are hot-dipped galvanized ensuring they stand the test of time.



Reliable | Durable | Efficient

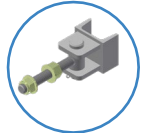


Adjustable Gates

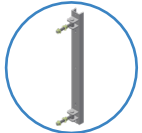
Variety of Hinge Options



360°
Post



Weld
On



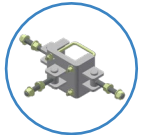
Weld On
or Bolt On



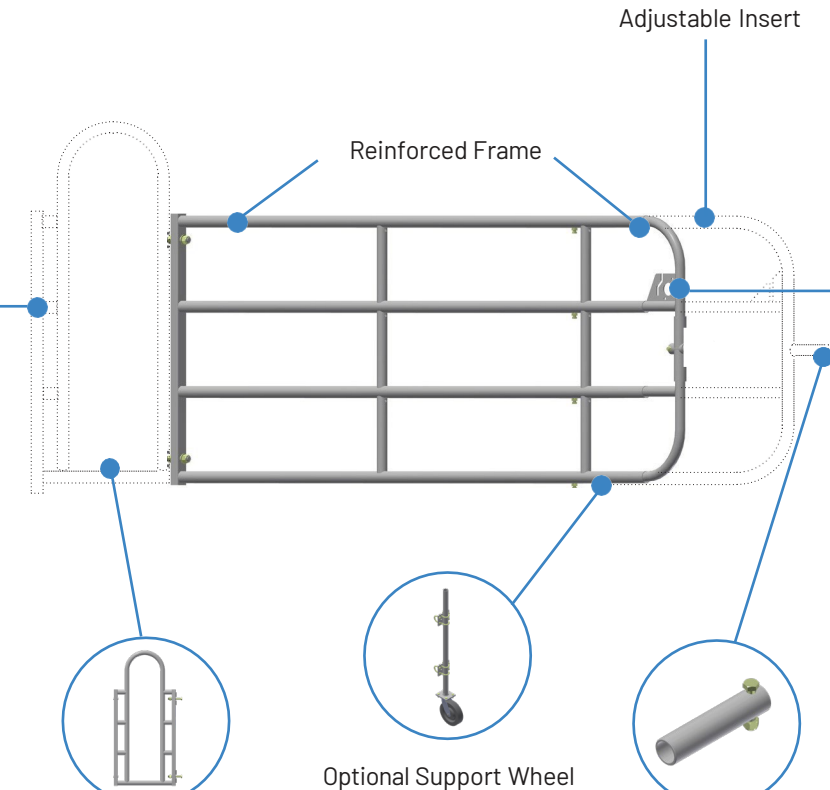
1-Way
Bolt On



2-Way
Bolt On



3-Way
Bolt On



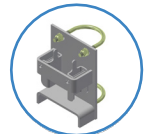
Available With or Without
Manpass

Optional Support Wheel

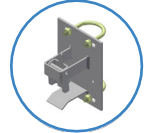
Optional Self
Closing Latch Stub

Variety of Latch Options

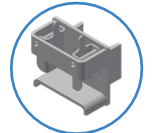
Double
Swing
Self
Closing



Single
Swing
Self
Closing



Double
Swing Self
Closing
(Weld On)



Gate
Chain Kit



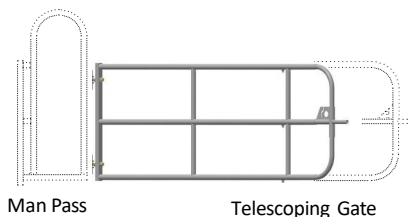
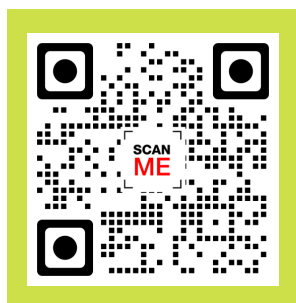
Spring
Loaded
Barrel
Bolt



Barrel
Bolt

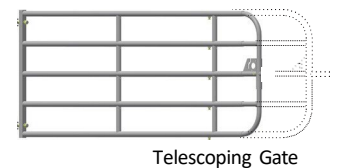


Other Available Options



Man Pass

Telescoping Gate



Telescoping Gate

WHEEL AND/OR CABLE SUPPORTS ARE RECOMMENDED ON GATES OVER 15' (4.57 M) LONG.

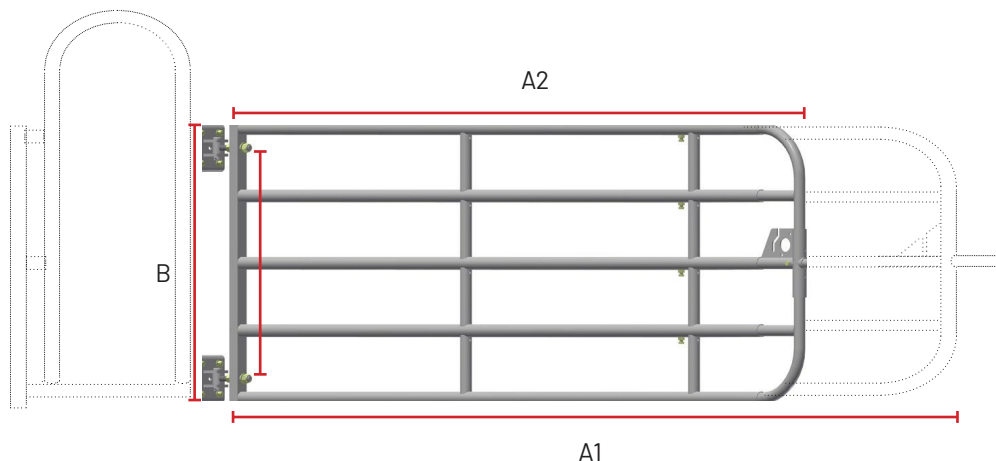
Gate Cable Support (Top Hinge Mount) Part Number: 107925

GATE STUBS FOR SWING LATCH MUST BE ORDERED SEPARATELY FOR ALL GATES.

Cattle Handling | Cow Flow & Management: Gates

Adjustable Gates | 3, 4, 5 Bar | No Man-Pass | Hot Dipped

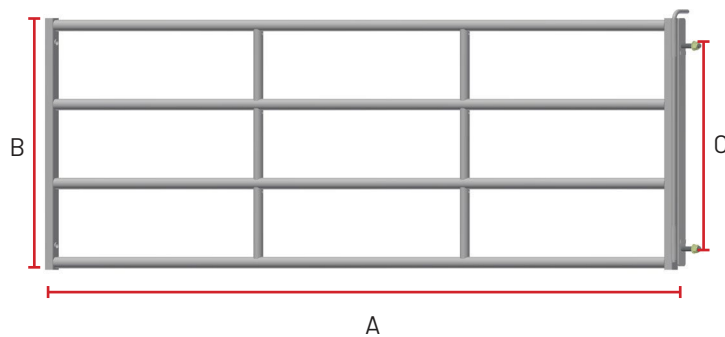
Part #	Description	Gate Length				Overall Gate Height (B)		Hinge Spacing (C)	
		Fully Extended Without Hinge & Stub (A)		Fully Retracted without Hinge (A2)					
		ft	cm	ft	cm	inch	mm	inch	mm
107183	3 Bar Gate	6	182.8	4	121.9	37 7/8	962	27 3/16	690
106342	3 Bar Gate	9	274.3	6	182.8	37 7/8	962	27 3/16	690
107179	3 Bar Gate	12	365.8	9'	274.3	37 7/8	962	27 3/16	690
107180	3 Bar Gate	15	457.2	12'	365.8	37 7/8	962	27 3/16	690
107181	3 Bar Gate	18	548.6	15'	457.2	37 7/8	962	27 3/16	690
107182	3 Bar Gate	21	640.1	18'	548.6	37 7/8	962	27 3/16	690
107678	3 Bar Gate	27	822.9	24	731.5	37 7/8	962	27 3/16	690
107921	3 Bar Gate	21-24	640-732	21	641	37 7/8	962	27 3/16	690
107302	4 Bar Gate	3' 6"	106.7	3'	91.4	40 3/4	1035	32 7/8	835
107060	4 Bar Gate	5' 4"	162.6	4'	121.9	40 3/4	1035	32 7/8	835
107031	4 Bar Gate	9	274.3	6'	182.9	40 3/4	1035	32 7/8	835
107043	4 Bar Gate	12	365.8	9'	274.3	40 3/4	1035	32 7/8	835
107085	4 Bar Gate	13' 6"	411.5	10' 6"	320	40 3/4	1035	32 7/8	835
107044	4 Bar Gate	15	457.2	12'	365.8	40 3/4	1035	32 7/8	835
107045	4 Bar Gate	18	548.6	15'	457.2	40 3/4	1035	32 7/8	835
107124	4 Bar Gate	21	640.1	18'	548.6	40 3/4	1035	32 7/8	835
107123	4 Bar Gate	24	732	21	640	40 3/4	1035	32 7/8	835
107253	4 Bar Gate	27	823	24	732	40 3/4	1035	32 7/8	835
107165	5 Bar Gate	3' 6"	106.7	2' 6"	76.2	40 3/4	1035	32 7/8	835
107187	5 Bar Gate	5' 4"	162.6	4'	121.9	40 3/4	1035	32 7/8	835
107037	5 Bar Gate	9	274.3	6'	182.9	40 3/4	1035	32 7/8	835
107046	5 Bar Gate	12	365.8	9'	274.3	40 3/4	1035	32 7/8	835
107047	5 Bar Gate	15	457.2	12'	365.8	40 3/4	1035	32 7/8	835
107048	5 Bar Gate	18	548.6	15'	457.2	40 3/4	1035	32 7/8	835
107105	5 Bar Gate	21	640.08	18'	548.6	40 3/4	1035	32 7/8	835



WHEEL AND/OR CABLE SUPPORTS ARE RECOMMENDED ON GATES OVER 15' (4.57 M) LONG.
GATE STUBS FOR SWING LATCH MUST BE ORDERED SEPARATELY FOR ALL GATES.

Bi-Fold Gates

Part #	Description	Gate Length (A)		Overall Gate Height (B)		Hinge Spacing (C)	
		ft	cm	inch	mm	inch	mm
107306	Bi-Fold Gate Base – For Use with Standard 4 bar gate	5	152.4	40 3/4	1035	32 7/8	835
107942	Bi-Fold Gate Base – For Use with Standard 4 bar gate	7	213	40 3/4	1035	32 7/8	835
107308	Bi-Fold Gate Base – For Use with Standard 4 bar gate	10	304.8	40 3/4	1035	32 7/8	835
107609	Bi-Fold Gate Base – For Use with Standard 5 bar gate	7.2	220	40 3/4	1035	32 7/8	835
107307	Bi-Fold Hinge Mid Hinge– For Use with Standard Bi-Fold gate	41 -9/16	105.6	40 3/4	1035	32 7/8	835

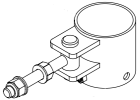
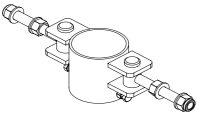
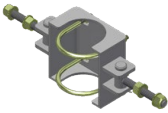
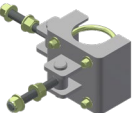
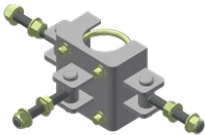


WHEEL AND/OR CABLE SUPPORTS ARE RECOMMENDED ON GATES OVER 15' (4.57 M) LONG.
GATE STUBS FOR SWING LATCH MUST BE ORDERED SEPARATELY FOR ALL GATES.

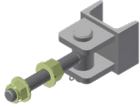
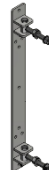


Cattle Handling | Cow Flow & Management: Gates

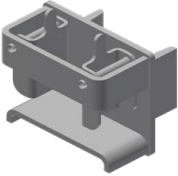
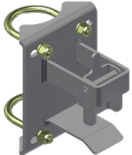
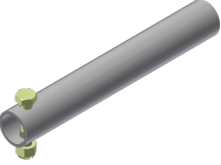
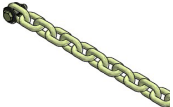
Components | Hot Dipped

Thumbnail	Part #	Description	Hinge Type	Pipe/Post Type	Pipe/Post Size		QTY Per Kit
					inch	mm	
	106681	Bolt On Hinge	Adjustable	Round Post	2 7/8 & 3	73 & 76	Kit (2 x Hinge Assembly/Hdw)
	106682	Bolt On Hinge	Adjustable	Round Post	3 1/2	89	Kit (2 x Hinge Assembly/Hdw)
	107094	Bolt On Hinge	Adjustable	Round Post	4	102	Kit (2 x Hinge Assembly/Hdw)
	106627	Bolt On Hinge	Adjustable	Round Post	4 1/2	114	Kit (2 x Hinge Assembly/Hdw)
	116192	Hinge	Standard	Pipe	4	102	Kit
	116193	2 Way Inline Hinge	Inline	Pipe	4	102	Kit
	107034	2 Way Inline Hinge	Adjustable	Round Post	3 1/2	89	Kit (2 x Hinge Assembly/Hdw)
	107164	2 Way Inline Hinge	Adjustable	Round Post	4	102	Kit (2 x Hinge Assembly/Hdw)
	107740	2 Way Inline Hinge	Adjustable	Round Post	4 1/2	114	Kit (2 x Hinge Assembly/Hdw)
	106693	2 Way Corner Hinge	Adjustable	Round Post	3 1/2	89	Kit (2 x Hinge Assembly/Hdw)
	117112	2 Way Corner Hinge	Corner	Pipe	4	102	Kit
	108027	2 Way Corner Hinge	Adjustable	Round Post	4	102	Kit (2 x Hinge Assembly/Hdw)
	107738	2 Way Corner Hinge	Adjustable	Round Post	4 1/2	114	Kit (2 x Hinge Assembly/Hdw)
	106690	3 Way Hinge	Adjustable	Round Post	3-1/2	89	Kit (2 x Hinge Assembly/Hdw)
	108115	3 Way Hinge	Adjustable	Round Post	4	102	Kit (2 x Hinge Assembly/Hdw)
	118173	3 Way Hinge	Adjustable	Round Post	4	102	Kit (2 x Hinge Assembly/Hdw)
	107739	3 Way Hinge	Adjustable	Round Post	4 1/2	114	Kit (2 x Hinge Assembly/Hdw)
  107331 106790	107331	Offset Pipe Hinge, 360 degree Pipe hinges, zinc plated	Adjustable	Round Post	4 5/8	114	Kit (2 x Hinge / Hdw)
	106790	Pipe Hinge, 360 degree pipe hinges, zinc plated	Adjustable	Round Post	4 5/8	114	Kit (2x Hinge / Hdw)

Cattle Handling | Cow Flow & Management: Gates

Thumbnail	Part #	Description	Hinge Type	Pipe/Post Type	Pipe/Post Size		QTY Per Kit
					inch	mm	
	106508	Weld On Hinge, hot dipped	Adjustable	NA	Any Post or Wall		Kit (2 x Hinge/Hdw)
	107268	Weld-On Adjustable Gate Hinge Kit On Channel (For 4 & 5 Bar Gates Only)	Adjustable	N/A	Any Post or Wall		1 EA
	106618	Adjustable Gate Hinge Kit On Plate (For 4 & 5 Bar Gates Only)	Adjustable	N/A	Any Post or Wall		1 EA
	107588	Adjustable Gate Hinge Kit On Plate (For 3-Bar Gates Only)	Adjustable	N/A	Any Post or Wall		1 EA
	107587	Adjustable Gate Hinge Kit On C-Channel - Weld On (For 3-Bar Gates Only)	Adjustable	N/A	For 3 Bar Gates Only		1 EA
	107685	Hinge Threaded Rod Replacement, hot dipped	N/A	N/A	For 106938 Gates w/Bolt On Hinge		1 EA
	106453	Barrel Bolt Latch, hot dipped	N/A	Any Post or Wall	N/A		Kit (1 x Latch/Hdw)
	107510	Spring Loaded Latch	N/A	Any Post or Wall	N/A		Kit (1 x Latch/Hdw)
	107405	Barrel Bolt Latch Catch, hot dipped	N/A	Any Post or Wall	N/A		1 EA c/w Hardware

Components | Latch

Thumbnail	Part #	Description	Pipe/Post Type	Pipe/Post Size		QTY Per Kit
				inch	mm	
	106695	Barrel Bolt Striker Plate, hot dipped	Square Post	4 x 4	102 x 102	1 Assy
	108019	Double Swing Self Closing Latch	Round Post	2-7/8 & 3	73 & 76	Kit (1 x Latch/Hdw)
	108020	Double Swing Self Closing Latch	Round Post	3-1/2	89	Kit (1 x Latch/Hdw)
	108021	Double Swing Self Closing Latch	Round Post	4-1/2	114	Kit (1 x Latch/Hdw)
	107366	Double Swing Self Closing Latch - Weld On	Round Post	3-1/2	89	Kit (1 x Latch / Hdw)
	107882	Double Swing Self Closing Latch - Weld On	Round Post	4	102	Kit (1 x Latch / Hdw)
	107412	Double Swing Vertical Action Latch - Weld On	Round Post	N/A	N/A	Wood Post/Wall Mount - Kit (1 x Latch / Hdw)
	108016	Single Swing Self Closing Latch	Round Post	2- 7/8 & 3	73 & 76	Kit (1 x Latch/Hdw)
	108017	Single Swing Self Closing Latch	Round Post	3-1/2	89	Kit (1 x Latch/Hdw)
	116098	Single Swing Self Closing Latch	Round Post	4	102	Kit (1 x Latch/Hdw)
	107095	Removable Stub	NA	3	76	Kit (1 x Latch/Hdw)
	107032	Removable Stub	NA	6	152	Kit (1 x Latch/Hdw)
	107053	Gate Chain Latch	Concrete Mount	3	90	Kit includes chain and bolt

Cattle Handling | Cow Flow & Management: Gates

Thumbnail	Part #	Description	Pipe/Post Type	Pipe/Post Size		QTY Per Kit
				mm	inch	
	107176	Long Gate Cable Support Kit, 35'(11m).	N/A	N/A	N/A	Kit includes cable and connector. Top bracket sold separately.
	105675	Long Gate Cable Support Kit for Heavy Duty Gates, 2-3/8" (60mm)	N/A	N/A	N/A	
	107177	Gate Cable Support - Top Hinge Mount	Round Post	114	4 1/2	
	107214	Gate Cable Support - Top Hinge Mount	Round Post	102	4	
	107803	Gate Cable Support - Top Hinge Mount	Round Post	127	5	
	107215	Gate Cable Support - Top Hinge Mount	Round Post	143	5 5/8	
	107216	Gate Cable Support - Top Hinge Mount	Round Post	168	6 5/8	
	107217	Gate Cable Support - Top Hinge Mount	Round Post	219	8 5/8	
	107178	Gate Cable Support - Gate Eye Mount	All Gates	N/A	N/A	
	107246	Gate Cable Support - Top Hinge Mount	Wall/Square Post	N/A	N/A	

Thumbnail	Part #	Catalog Description	Gate Length A	
			inch	mm
	106558	Gate Wheel Kit	-	-
	107229	Bolt-On Man Pass	26	661

Flip Over Gates



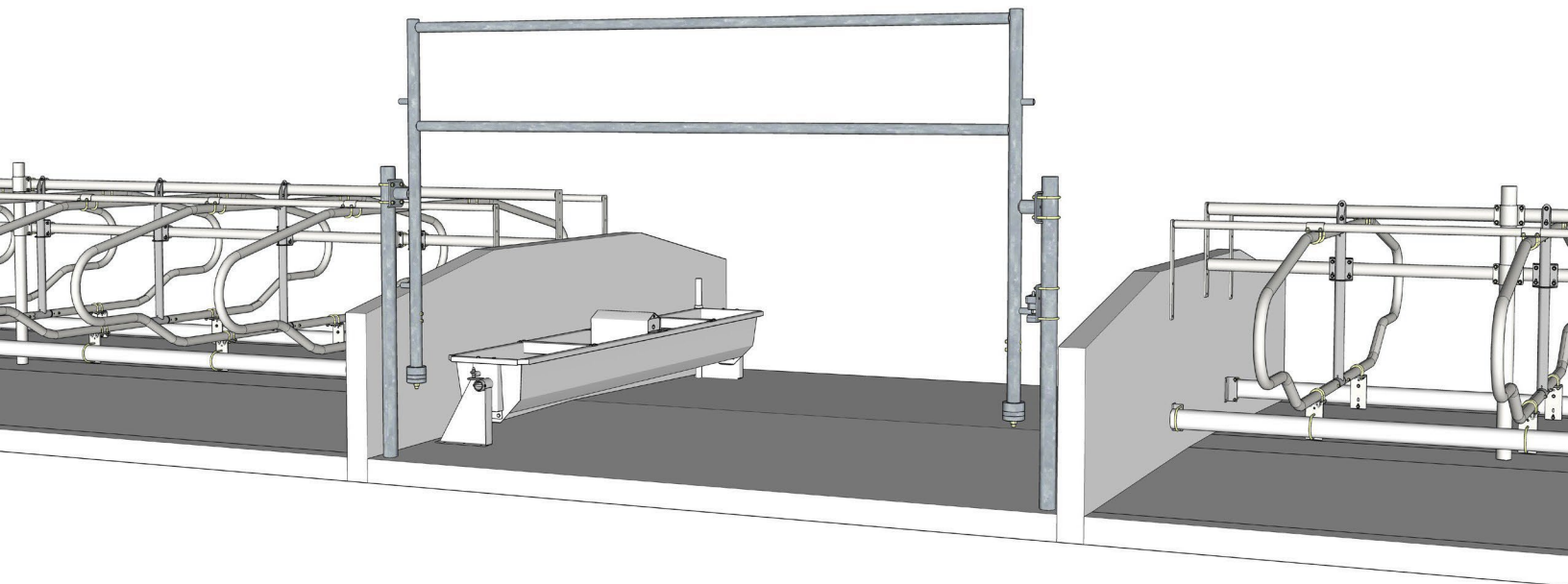
The VES-Artex Flip-Over Gate System is ideal for closing off pens, packs, cross-overs, and traffic lanes where mounting other VES-Artex gates is difficult or not an option. This system gives farm managers greater flexibility to manage cow flow while maintaining the highest level of cow comfort.

Packs and Pens: Flip-Over Gates can be installed the full length of a pen between the bedding pack and the scrape alley, replacing fixed fence panels.

It allows you to choose any gate as the entry or exit point. You can make a pen within the pack eliminating the need for standard gates while giving you the option to have a pen in the middle for self-feeding or calf containment.

Cross-Overs: When installed in cross-overs, VES-Artex Flip-Over Gates allow operators to close these areas off and open them as needed when moving cows to and from the pen.

They create one-way traffic lanes that prevent cows from escaping via the cross-over, reducing the stress of chasing for both animals and workers.



Cattle Handling | Cow Flow & Management: Gates

Part #	Description	Outside Diameter OD (A)		Length (B)		Wall Thickness (C)		Details
		inch	mm	Inch	m	inch	mm	
106303	Round Post	3- 1/2	89	78-3/4	2	3/16	4.75	Pre-galvanized
106302	Round Post	3- 1/2	89	94-1/2	2.4	3/16	4.75	-
106419	Round Post	3- 1/2	89	118-1/8	3	3/16	4.75	-
106315	Mounting Rail, Straight Pipe	2-3/8	60	19	5.79	1/8	3	Pre-galvanized, Swaged End
107316	Flip Over Gate Arm	2-7/8	73	85-1/8	2.16	3/16	4.6	1 EA (for two rails)

Thumbnail	Part #	Catalog Description	Rail Size		Qty per kit
			inch	mm	
	107315	Flip Over Gate Wall Mount	2-3/8	60	1 EA c/w 4 Hole Slotted Plate

Thumbnail	Part #	Catalog Description	Post Size		Qty per kit
			inch	mm	
	107314	Flip Over Gate Post Mounting Clamp	3-1/2	89	1 EA
	107652	Flip Over Gate Counter Weight Kit	N/A	N/A	2 EA (for approximately 8' (2.44m))
	107653	Flip Over Gate Extra Counter Weight Add On Puck	N/A	N/A	2 EA
	107566	Flip Over Gate Post Mounting Clamp	3-1/2	89	1 EA
	106469	Double Swing Self Closing Gate Latch	3-1/2	89	Kit (1xLatch/Hdw)

Thumbnail	Part #	Catalog Description	Diameter A		Length B		Qty per kit
			inch	mm	inch	mm	
	106490	Kwik Bolt Wedge Anchor	1/2	12	3-15/16	100	Kit (1 x Wedge Bolt)

Finger Gates



This one-way sorting gate was initially designed for robotic facilities, providing producers with easy, hands-free cow flow management. Our finger gate solutions can easily be shortened or extended to fit any space within your barn with its modular design.

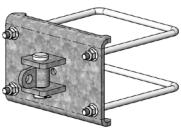
Featuring our noise-reducing hardware and rounded edge fingertips, we've designed this system with cow comfort in mind. It also features an auto-lock open or closed feature which allows equipment to access alley ways or keep animals in.

FINGER GATE FEATURES

- » Noise reducing hardware
- » Modular construction system for flexible configuration
- » Rounded finger-tips for added cow comfort
- » Auto open/closed feature for equipment access
- » Easily adjustable for any breed of animal size
- » Training mode for cow friendly introduction

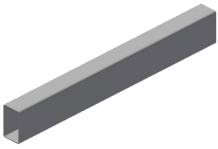


Cattle Handling | Cow Flow & Management: Gates

Thumbnail	Part #	Catalog Description	Distance from ground to Finger end		Width		Details
			inch	cm	inch	mm	
	107793	Finger Gate Individual Fingers, Hot-dipped	63	160	n/a	n/a	Kit (1 x Finger/Hdw)
Thumbnail	Part #	Catalog Description	Length		Width		Details
			inch	mm	inch	mm	
	107844	Finger Gate Locking Pin, Hot-dipped	10 1/16	256	n/a	n/a	1 EA
	107847	Finger Gate Locking Pin Storage Device, hot-dipped			n/a	n/a	1 EA - Holds (6) Locking Pins
Thumbnail	Part #	Catalog Description	Post Size		Width		Details
			inch	mm	inch	mm	
	107797	Rail Mount for Rectangular Rail	4 to 4-4 1/2	102 to 114	n/a	n/a	Kit (1 x Mount/Hdw)
	108039	Rail Mount for Rectangular Rail	5	127	n/a	n/a	Post U-Bolts Included
	108038	Rail Mount for Rectangular Rail	6 5/8	160	n/a	n/a	Post U-Bolts Included
	108037	Swinging Gate Cable Support - Top Hinge Mount	6 5/8	168	n/a	n/a	Top Hinge Mount
	116920	Gate Cable Support - for Square Post	7	200	n/a	7/8	Top Hinge Mount
	107772	Swinging Finger Gate Cable Support Kit	22'	6.7 meters	n/a	n/a	Kit includes cable and connector. Top bracket sold separately.
	107804	Post Hinge Support Ring	5	127	n/a	n/a	1 EA

Cattle Handling | Cow Flow & Management: Gates

Part #	Catalog Description	POST SIZE		Shape	Details
		inch	mm		
107711	Swing Finger Gate Mounting Post	5	127	Wall	Length: 3/16"(4mm)
107772	Swing Finger Gate Cable Support	22	6.7	Cable	Kit - Top Post Mount Ordered Separate
107774	Swing Finger Gate Hinge Kit	5	127	Hinge	Kit
107902	Swing Finger Gate Latch Kit	5	127	Latch	Kit
108034	Swing Finger Gate Hinge Kit	6-5/8	168	Hinge	Kit
107839	Heat Shrink Post Sleeve Protector	5	127	Sleeve	1 EA
107841	Heat Shrink Post Sleeve Protector	3 1/2	102	Sleeve	1 EA
107840	Heat Shrik Post Sleeve Protector	4 1/2	114	Round	1 EA

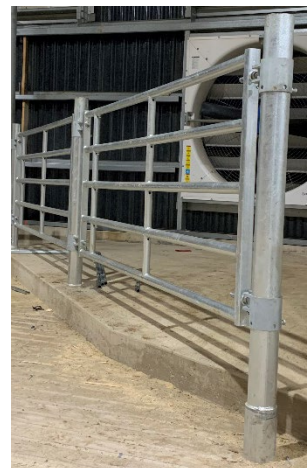
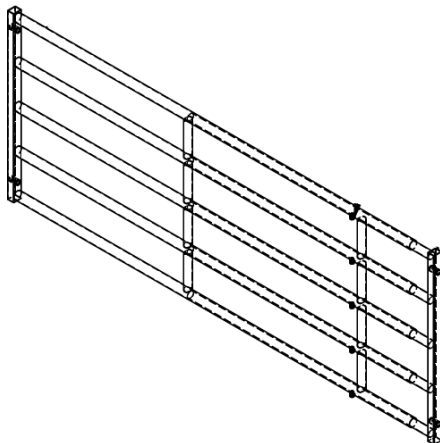
Thumbnail	Part #	Catalog Description	Outside Diameter OD		Length		Wall thickness		Details
			inch	mm	ft	m	inch	mm	
	107807	Rectangular Mounting Rail	6 5/16 x 3 1/8	160 x 80	3' 3-15/16"	1	1/8"	3.75	1 EA
	107808	Rectangular Mounting Rail	6 5/16 x 3 1/8	160 x 80	4' 1"	1.5	1/8"	3.75	1 EA
	107809	Rectangular Mounting Rail	6 5/16 x 3 1/8	160 x 80	6' 6-3/4"	2	1/8"	3.75	1 EA
	107810	Rectangular Mounting Rail	6 5/16 x 3 1/8	160 x 80	9' 10"	3	1/8"	3.75	1 EA
	107811	Rectangular Mounting Rail	6 5/16 x 3 1/8	160 x 80	19' 8"	6	1/8"	3.75	1 EA
	107497	Rectangular Mounting Rail - Heavy Duty	6 5/16 x 3 1/8	160 x 80	19' 8"	6	3/16"	4.75	1 EA

Thumbnail	Part #	Catalog Description	Length		Width		Details
			inch	mm	inch	mm	
	107845	Finger Gate Individual Finger Lifting Device	N/A	N/A	N/A	N/A	1 EA
	107972	Finger Gate Aqua Dump Guard	56-5/8	1438.5	32-15/16	837	1 EA

Adjustable Fence

The VES-Artex adjustable fence system is a modular setup which offers producers a cost-effective, easy-to-install solution. Fully customizable, the fencing sections feature telescoping bars to accommodate any space. This provides flexibility for the installation process and to adapt the fencing layout whenever needed. Designed for long-lasting use, VES-Artex fence panels are cemented into place without the need for on-site welding. All steel components are hot-dipped galvanized.

Part Number	Description	Length Range		Vertical Rail Spacing	
		Ft	M	In	mm
118217	2 Bar Adjustable Fence	1' – 4'	0.3m – 1.22m	24"	610mm
118161	2 Bar Adjustable Fence	4' – 6'	1.22m – 1.83m	24"	610mm
188166	2 Bar Adjustable Fence	6' – 9'	1.83m – 2.74m	24"	610mm
118169	2 Bar Adjustable Fence	9' – 12'	2.74m – 3.66m	24"	610mm
118218	3 Bar Adjustable Fence	1' – 4'	0.3m – 1.22m	12 – 13/16"	325mm
118152	3 Bar Adjustable Fence	4' – 6'	1.22m – 1.83m	12 – 13/16"	325mm
118156	3 Bar Adjustable Fence	6' – 9'	1.83m – 2.74m	12 – 13/16"	325mm
118159	3 Bar Adjustable Fence	9' – 12'	2.74m – 3.66m	12 – 13/16"	325mm
118219	4 Bar Adjustable Fence	1' – 4'	0.3m – 1.22m	12 – 13/16"	325mm
118139	4 Bar Adjustable Fence	4' – 6'	1.22m – 1.83m	12 – 13/16"	325mm
118151	4 Bar Adjustable Fence	6' – 9'	1.83m – 2.74m	12 – 13/16"	325mm
118141	4 Bar Adjustable Fence	9' – 12'	2.74m – 3.66m	12 – 13/16"	325mm
118228	5 Bar Adjustable Fence	1' – 4'	0.3m – 1.22m	9 – 5/8"	244mm
118231	5 Bar Adjustable Fence	4' – 6'	1.22m – 1.83m	9 – 5/8"	244mm
118234	5 Bar Adjustable Fence	6' – 9'	1.83m – 2.74m	9 – 5/8"	244mm
118235	5 Bar Adjustable Fence	9' – 12'	2.74m – 3.66m	9 – 5/8"	244mm



Adjustable Fence Hinges & Posts

Part Number	Description	Diameter		Height	
		Imperial	Metric	Imperial	Metric
116192	Rail Fence, Hinge, Standard (Single)	4"	102mm	-	-
116193	Rail Fence, Hinge, 2 Way (Inline)	4"	102mm	-	-
117112	Rail Fence, Hinge, 2 Way (Corner)	4"	102mm	-	-
118173	Rail Fence, Hinge, 3 Way	4"	102mm	-	-
118176	Rail Fence, Hinge, Standard (Single)	2-7/8" - 3"	73mm - 76mm	-	-
118180	Rail Fence, Hinge, 2 Way (inline)	2-7/8" - 3"	73mm - 76mm	-	-
118183	Rail Fence, Hinge, 2 Way (Corner)	2-7/8" - 3"	73mm - 76mm	-	-
188186	Rail Fence, Hinge, 3 Way	2-7/8" - 3"	73mm - 76mm	-	-
106322	Round Post	4" x 3/16"	102mm x 4.75mm	94-1/2"	2.4m
118465	Round Post	3" x 3/16"	76mm x 4.75mm	94-1/2"	2.4m



Cattle Handling | Cow Flow & Management: Fences

Components of Cable & Rail Fencing are still available upon request. Please contact your VES-Artex representative if needed.

Thumbnail	Part #	Catalog Description	Length		For Cable Size		# of Mounting hooks	Mounting Type
			ft	m	inch	mm		
	106787	Cable Fence - Post w/Hooks - Closed	6.56	2	-	-	5	
	106952	Plate w/Hooks - Open	40	1016	-	-	5	Wall/Square Post
	107265	Plate w/Hooks - Open	46	1168	-	-	5	2-7/8"-3" (73 - 76mm) OD Post
	106214	Galvanized Cable Clamp	-	-	1/2	12	-	-
	106215	Galvanized Wire Rope (Cable) - 1000M (3281') Roll	-	-	1/2	12	-	-
	106211	Galvanized Wire Rope (Cable) - 1000M (3281') Roll	-	-	3/8	10	-	-
	106213	Galvanized Cable Turnbuckle	-	-	5/8	16	-	-
	106217	Galvanized Tension Springs for Cable Fence	-	-	NA	NA	-	-
	106216	Galvanized Eye Bolt	-	-	12	-	1/2	-

Head Catch



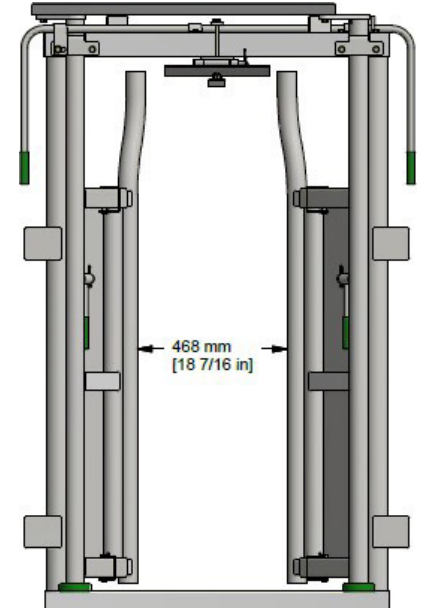
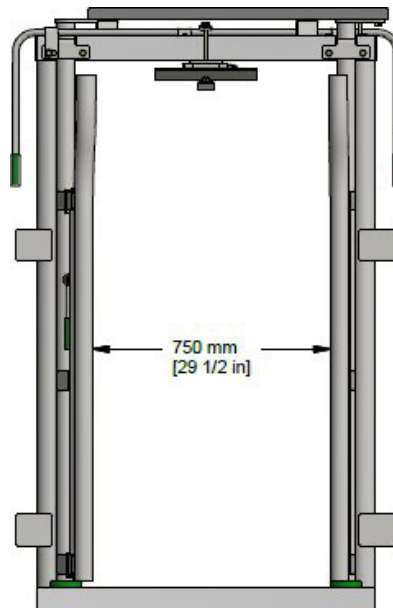
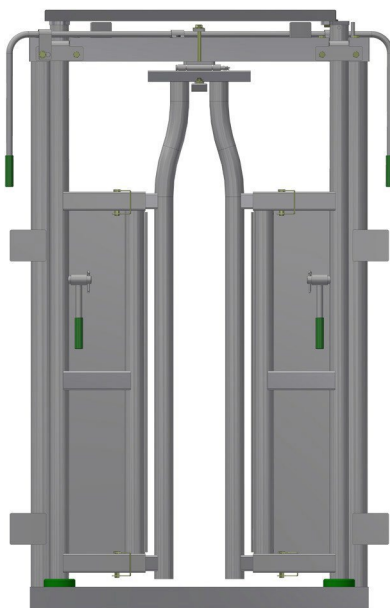
The VES - Artex Head Catch system is designed for use in a variety of applications from artificial inseminations to pregnancy checks, calving and more. This head catch system has an easily adjustable neck spacing with quick pins that allow you to lock up mature Holstein and Jersey cows.

The VES- Artex Head Catch also features hot dip galvanized components and heavy-duty construction, making them the right choice for the toughest applications.

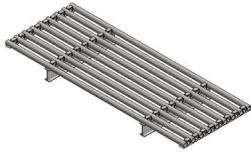
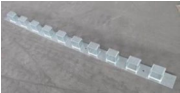
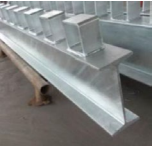
HEAD CATCH FEATURES

- » Adjustable neck spacing with quick
- » Gate release levers on both left and ride sides
- » All components are hot dip galvanized
- » Designed to be installed on a curb

Part #	Description	Overall Width		Adjustable Neck Opening Narrowest		Adjustable Neck Opening Widest	
		ft	m	inch	mm	inch	mm
107380	Cattle Head Catch	42 1/2	1.08	6 1/2	165	8 1/2	216
108089	Cattle Head Catch	37	.94	6 1/2	165	8 1/2	216



Cattle Guards

Thumbnail	Part #	Catalog Description	Length		Width		Details
			ft	m	Imperial	Metric	
	107681	Cattle Guard, 18' (5.49m) Length, 5' 7-15/16" (1.72m) Width with middle beam supports	18	5.49	5' 7-15/16"	1.72 m	With Middle Beam Supports (Unassembled)
	108088	Cattle Guard, 15' (4.57m) Length, 5' 7-15/16" (1.72m) Width with middle beam supports	15	4.57	5' 7-15/16"	1.72m	With Middle Beam Supports (Unassembled)
	109394	Cattle Guard End Support With Spacers	7	2.13	4-3/4"	120 mm	
	109395	Cattle Guard Main Beam With Spacers	7	2.13	14"	35 cm	
	118685	Mounting Rail 4" (102mm) OD x 5/16" (7.75mm) Wall	12	3.66			
	109397	Mounting Rail 4" (102mm) OD x 5/16" (7.75mm) Wall	14	4.27			
	109398	Mounting Rail 4" (102mm) OD x 5/16" (7.75mm) Wall	16	4.88			
	117473	Mounting Rail 4" (102mm) OD x 5/16" (7.75mm) Wall	19'-8"	6			

Please contact your VES-Artex representative to inquire about customization.

Standard Calf Zone



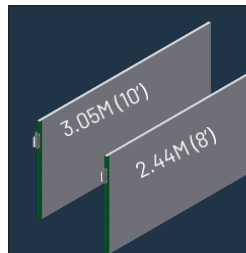
VES-Artex Standard Calf Zone pens are designed to mount directly to structural walls or by stand-alone rows. The removable sidewalls provide pen-to-pen isolation and prevent disease transmission between each Calf Zone system. The removable walls allow a quick and easy clean of an entire row of stalls. It also provides a quick adjustment to have animals live together as they grow. This system is fully customizable with various wall lengths, back wall options, bucket and bottle holder options.

Create optimal calf comfort and position the calf for a healthy and productive life right from the start with a Standard Calf Zone.



- » Wall mount or stand alone
- » Spring loaded gate latch
- » Removable side walls

- » Bucket holder with base
- » Two opening gate to protect feed
- » Optional robot feeder panel



AVAILABLE IN TWO WALL LENGTHS

Choose between 8' (2.44m) or 10' (3.05m) wall length options.

STANDARD CALF ZONE OPTIONS



2L OR 6L
BOTTLE HOLDER



SINGLE OR DOUBLE
SIDED HAY FEEDER



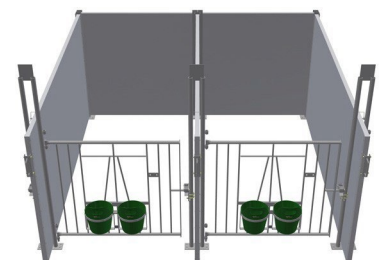
5L OR 10L
BUCKETS



WALL MOUNTED

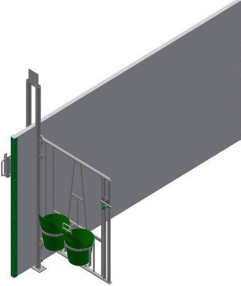
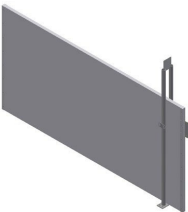
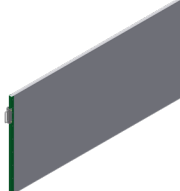
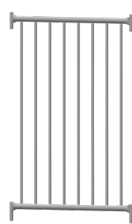
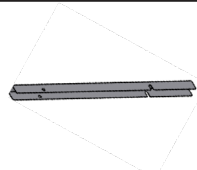


OPEN SPINDLE BACK GATE

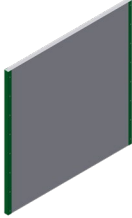
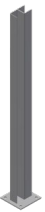


PVC BACK WALL

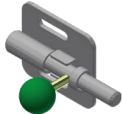
Calf Care | Standard Calf Zone

Thumbnail	Part #	Description	Width		Length		Height	
			inch	m	inch	m	inch	m
	107433	Calf Zone w/2 - 5L (5Qt) Buckets	36	0.9	96	2.4	47 1/4	1.2
	107367	Calf Zone w/2 - 10L (10Qt) Buckets	48	1.2	96	2.4	47 1/4	1.2
	107369	Calf Zone w/2 - 5L (5Qt) Buckets	48	1.2	96	2.4	47 1/4	1.2
	107150	Calf Zone w/2 - 10L (10Qt) Buckets	48	1.2	120	3.05	47 1/4	1.2
	107371	Calf Zone End of Row Package	48	1.2	96	2.4	47 1/4	1.2
	107543	Calf Zone End of Row Package	48	1.2	120	3.05	47-1/4	1.2
	106677	Calf Zone PVC Side Wall	48	1.2	96	2.4	47 1/4	1.2
	106776	Calf Zone PVC Side Wall	48	1.2	120	3.05	47 1/4	1.2
	107138	Calf Zone Spindle Back Panel - 0.91M (3') Zone	-	-	30-3/4	0.78	35	0.889
	106752	Calf Zone Spindle Back Panel - 1.22M (4') Zone	-	-	41-1/2	1.05	35	0.889
	106239	Wall Mount Sleeve for PVC Wall	2	0.50	47-1/4"	1.2	-	-

Calf Care | Standard Calf Zone

Thumbnail	Part #	Description	Width		Length		Height	
			inch	m	inch	m	inch	mm
	106754	Calf Zone PVC Solid Back Panel - 1.22M (4') Zone	-	-	47 1/3	1202	47 1/4	1200
	106526	Calf Zone PVC Wall Handle	-	-	7	180mm	-	-
	107512	Calf Zone Double Post Assembly (Front)	-	-	8	203.2	65-13/16	1671.1
	107370	Double Post Assembly for PVC Wall (Back)	-	-	NA	NA	65 4/5	1672
  106801 106798	106801	Calf Zone Two Way Corner Post for PVC Back Panel (Left)	-	-	6	152	48	1219
	106798	Calf Zone Two Way Corner Post for PVC Back Panel (Right)	-	-	6	152	48	1219
  106755 106799	106755	Calf Zone Three Way Post for PVC Back Panel	-	-	8	203	48	1219
	106799	Calf Zone Four Way Post for PVC Back Panel	-	-	8	203	48	1219
	107373	Calf Zone Front Gate - 2 Opening	36	0.9	-	-	34 15/16	888
	107368	Calf Zone Front Gate - 2 Opening	48	1.2	-	-	34 15/16	888

Calf Care | Standard Calf Zone

Thumbnail	Part #	Description	Stall Width		Panel Length		Panel Height	
			inch	m	inch	m	inch	mm
	107555	Back Gate - 1 Opening. Hot Dipped.	36	0.9	-	-	36	914
	107645	Back Gate - 1 Opening. Hot Dipped.	48	1.2	-	-	36	914
	106265	Calf Zone Wall Mount Post. Hot Dipped.	-	-	42 1/2	1080mm	-	-
	107607	Calf Zone Spring Loaded Barrel Bolt Latch. Hot Dipped.	-	-	-	-	-	-



Calf Care | Calf Care Accessories

Thumbnail		Part #	Description
 106441	 106457	106441	Bottle Holder - 2L (20t)
		106457	Bottle Holder - 6L (60t)
 106243	 107206	106243	Hay Feeder
		107206	Hay Feeder - Double Sided
 106614	 106655	106614	Bucket Holder Kit for 2 x 5L (50t) Buckets w/Bucket Hold Down Mechanism
		106655	Bucket Holder Kit for 2 x 10L (100t) Buckets w/Bucket Hold Down Mechanism
 107504	 106156	107504	Bucket - 5L (50t) - Stackable (bucket may be a different color)
		106156	Bucket - 10L (100t)
 119226 & 119227	 119228	119226	Calf bottle (2L)
		119227	Calf bottle (4L)
		119228	Nipple, for 2 and 4 Liter Calf Bottle, Snap On



GROW
your legacy

Solutions for Greenhouses

Provide consistent ventilation to optimize growth



Proper ventilation in a greenhouse is crucial to create an optimal environment for plant growth. There are four main areas in which ventilation supports development:

TEMPERATURE CONTROL

Proper ventilation helps regulate the temperature by allowing hot air to escape and cooler air to enter. This prevents the plants from overheating.

HUMIDITY REGULATION

Plants release water vapor through a process called transpiration. In a closed environment like a greenhouse, humidity can build up rapidly. Ventilation can remove excess humidity, preventing the development of fungal diseases and minimizing the risk of mold and mildew.

DISEASE PREVENTION

Prevent the spread of diseases by minimizing the conditions conducive to pathogen growth. Proper airflow can reduce the likelihood of fungal and bacterial diseases which thrive in stagnant, humid conditions.

CO₂ EXCHANGE

Ventilation ensures a constant exchange of gases, allowing fresh air with sufficient CO₂ to enter the greenhouse and facilitating the removal of oxygen produced by the plants during photosynthesis.

Plants require a balanced combination of light, water, and nutrients for optimal growth. Ventilation aids in maintaining these conditions by preventing extremes in temperature and humidity, preventing disease, creating a more stable and favorable environment for plant development.

Solutions for Greenhouses

INLET

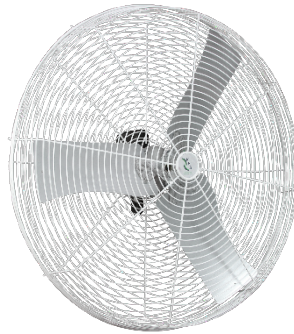


Aluminum Shutter



Inlet Fan

CIRCULATION



High Velocity
Basket Fan



Moisture Resistant
Basket Fan



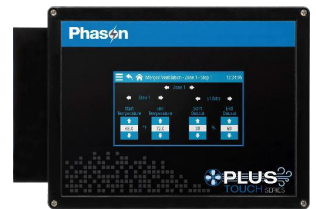
Moisture Resistant
Ceiling Fan



HVLS Fan



Temperature Sensors
for Fans



Fan Controls



Lights



Light Control

EXHAUST



Shutter Exhaust Fan



Exhaust Fan

Solutions for Warehouses

Powerful air movement right where it's needed



Proper ventilation in a warehouse supports the facility's overall efficiency by improving the following five components:

TEMPERATURE CONTROL

A strong ventilation system helps cool the ambient temperature in a warehouse which improves working conditions and helps maintain product integrity.

CONDENSATION PREVENTION

Fans can be used to reduce condensation in warehouses, which is important for preventing mold growth and protecting goods that may be sensitive to moisture. Proper air circulation helps maintain optimal humidity levels.

EMPLOYEE COMFORT

Regulating temperatures and providing air movement, especially for physically active employees, is vital to have a successful and healthy team.

AIR CIRCULATION

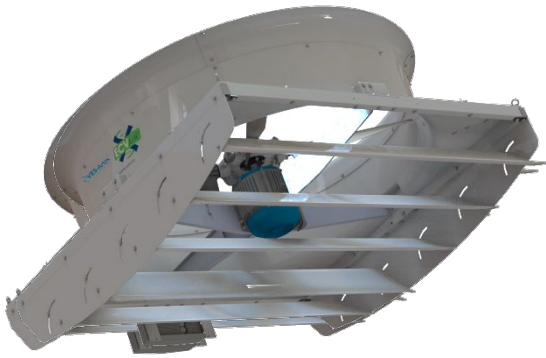
Fans improve ventilation by circulating fresh air and preventing the buildup of stale air, fumes, or pollutants. This is crucial for warehouses that handle materials with strong odors or that produce airborne particles.

ENERGY EFFICIENCY

In warehouses with HVAC (heating, ventilation, and air conditioning) systems, fans can be used to supplement the HVAC system's effectiveness. By strategically placing fans, it's possible to optimize air distribution and reduce the reliance on air conditioning or heating.

Solutions for Warehouses

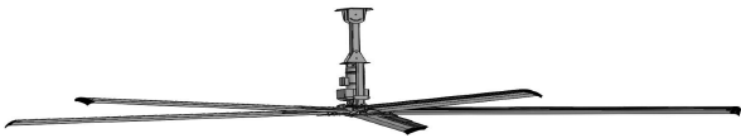
CIRCULATION FANS



Louvered Circulation Fan



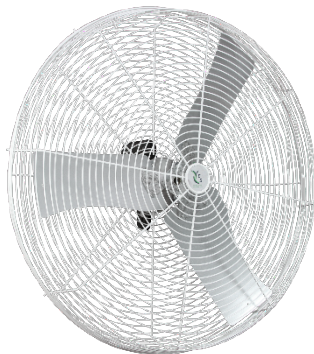
Moisture Resistant Ceiling Fan



HVLS Fan

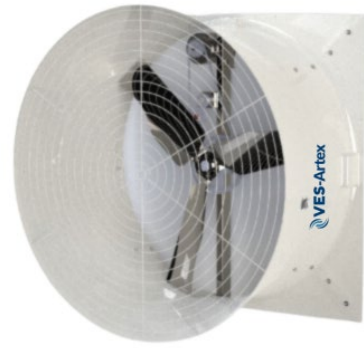


Moisture Resistant Basket Fan

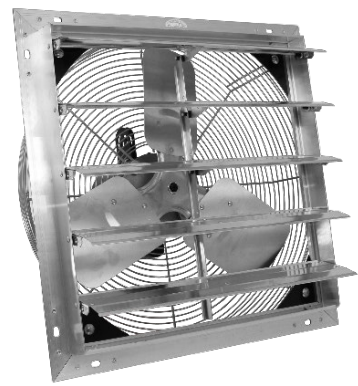


High Velocity Basket Fan

EXHAUST FANS



Exhaust Fan



Shutter Exhaust Fan



Temperature Sensors for Fans



Fan Controls



Lights

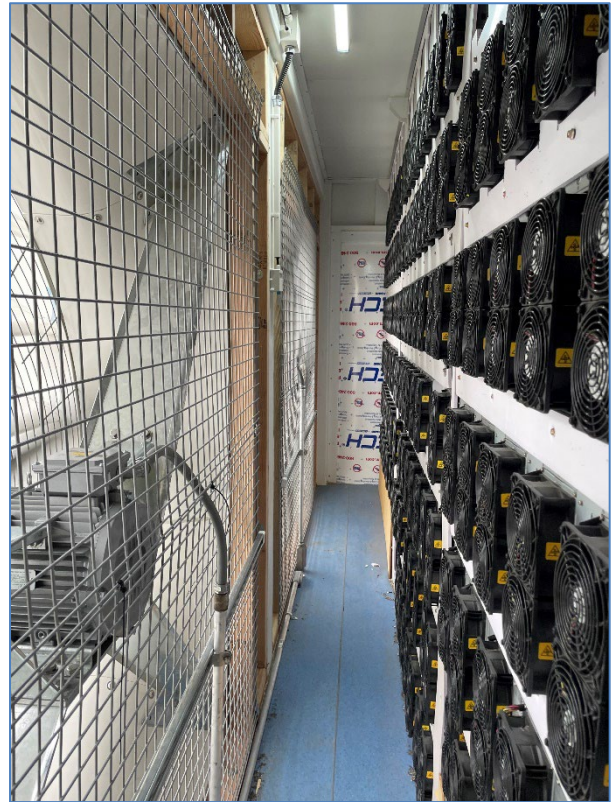


Light Control

Crypto Mining Facilities

Air cooling for Crypto mining

Maximize miner performance and electrical efficiency with VES-Artex Exhaust fans.



- Ramp-down miner fan usage while increasing production
- Sites have seen a 20-25% production increase
- VFDs, automation controls, and environmental sensors can be used to create an automated environmental control system
- Optional external deflectors are available

72" AFRV

400/460V, 3PH, 4HP
Part number: 118126
Airflow: 50,012 CFM



Solutions for Crypto Mining Facilities

EXHAUST FANS & ACCESSORIES



Exhaust Fans

55" and 72" fans with direct drive motors efficiently remove heat produced by miners.

Safety guards are required for use in Industrial settings.

Variable Frequency Drive



A Variable Frequency Drive (VFD) is required to automatically control the fan's speed based on the temperature in a mining facility.

Wired and wireless options are available.

Sensor



DOL 114 Temperature and Humidity
Part Number: 102341

External Deflector Kit



Compatible with AFRV72 Fan
Part Number: 105472

Controls



SSVDC
Part Number:
117106



Plus Touch
Part Number:
103852

LIGHTS

OPTIMAL ARRAY



Part Numbers: 118916,
118917

AURORA ARRAY



Part Numbers: 117572 & 117573

LDB-2 LIGHT CONTROL



Part Number: 102632



1313 Lakeland Drive
Chippewa Falls, WI 54729
1-888-622-2999
info@ves-artex.com
www.ves-artex.com



Website



Vimeo



Online Store