



4-20 HP SIMPLEX/DUPLEX/TRIPLEX VACUUM SYSTEMS

# Industrial Tank Mounted Vacuum Systems



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The Elmo Rietschle offers standard systems for a wide range of requirements and applications. The PureVac industrial vacuum system is designed to provide vacuum for applications such as laboratories, molding, packaging, printing, plastics, food manufacturing, and many others.

## Vacuum System Overview

The PureVac package includes one, two, or three vacuum pumps and associated equipment, one ASME tank and one control panel. Each pump is factory piped to a common intake manifold. The system is completely tested prior to shipment.

## ASME Rated Receiver

The receiver is rated for full vacuum and is included as a standard feature. The vacuum receiver tank provides dampening in the vacuum system piping. The tank is fitted with a drain valve. The carbon steel receiver tank is ASME U Boiler and Pressure Vessel code rated from full vacuum to 200 PSIG (13.8 barG).

## Control Panel

The standard UL listed control panel in a NEMA 4/12 enclosure UL 508A with motor starter and disconnects supplied. Main power disconnect with Hand-Off-Auto selector switches for each pump. A HDMI 7" touchscreen display for programming the unit and displaying and changing the operating parameters.

## Motor

TEFC Premium Efficient NEMA, C-Faced, standard motor with 1.15 service factor is supplied according to specifications within the parameters of enclosure, speed, temperature rating and efficiency level. Motors are mounted directly to the pump and is suitable for 200/3/60, 230/460/3/60, 380/3/50, and 575/3/60 applications.

## PLC Pump Management

The reliable PLC driven control systems offers pump rotation and redundancy management to maximize uptime and even out pump performance to ensure pumps were evenly. Careful monitoring of hours run allows effective predictive maintenance scheduling. During pump down-time the system can still provide seamless operation and allows serviceability without shut down.

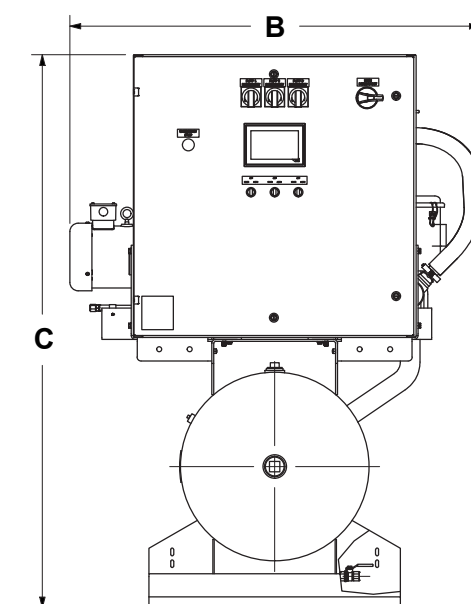
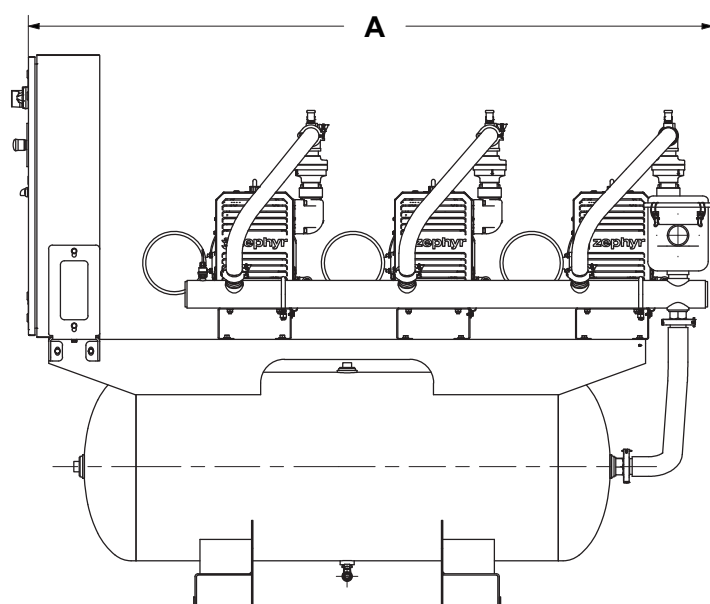
## Preventive Maintenance

PredictER™ preventive maintenance monitoring package provide real time feedback for High discharge temperature, oil quality and vibration monitoring. Ideal for harsh environment requiring frequent oil change.

## Available Options / Upgrades

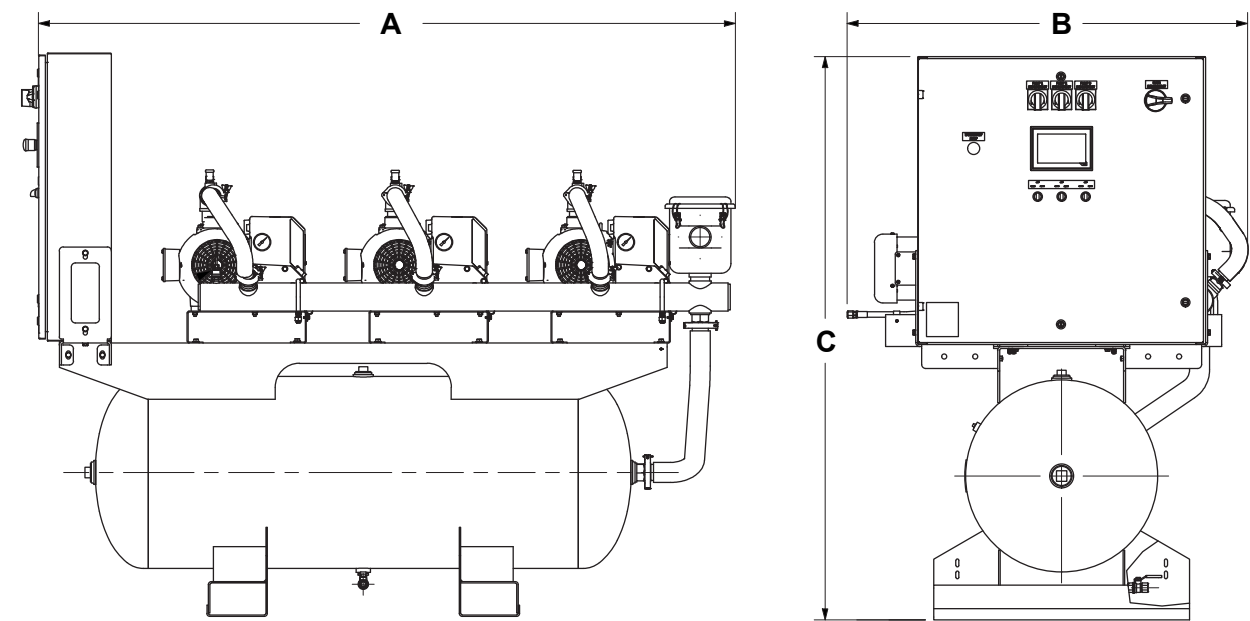
- PredictER™
- Tank upgrade to 120 gallon





## Claw Technology | Technical Data

		PUMP MODEL	PUMP HP (QTY)	TANK SIZE	TOTAL HP	ACFM	DB(A) LEVEL	BTU/HR	WEIGHT	DIMENSION (IN)			OUTLET CONNECTION (FNPT)	INLET CONNECTION (FNPT)	
											A	B	C		
MODULE	SIMPLEX	VLR-251	7.5	120	7.5	150	78	16378	1030	89	37	71	1 ½"	2"	
		VLR-301	7.5	120	7.5	205	77	22213	1320	89	37	74	1 ½"	2"	
	DUPLEX	VLR-60	2(2)	80	4	85	83	8872	820	78	38	66	1'	1 ½"	
		VLR-100	3(2)	120	6	141	85	16037	1355	89	54	70	1 ½"	2"	
		VLR-150	5(2)	120	10	212	85	24226	1465	89	52	70	1 ½"	2"	
	TRIPLEX	VLR-60	2(3)	80	6	127	85	13307	980	78	38	66	1 ½"	2"	
		VLR-100	3(3)	120	9	212	86	24056	1670	89	54	70	1 ½"	2"	
		VLR-150	5(3)	120	15	318	87	36339	1830	89	52	70	1 ½"	2"	



Vane Technology | Technical Data

		PUMP MODEL	PUMP HP (QTY)	TANK SIZE	TOTAL HP	ACFM	DB(A) LEVEL	BTU/HR	WEIGHT	DIMENSION (IN)			OUTLET CONNECTION (FNPT)	INLET CONNECTION (FNPT)
MODULE	SIMPLEX	VCS-200	7.5	120	7.5	141	71	14809	1050	80	37	70	2"	2"
		VCS-300	10	120	10	212	72	21360	1085	80	37	70	2"	2"
	DUPLEX	VCS-50	2 (2)	80	4	71	70	9554	795	78	38	66	1 ¼"	1 ½"
		VCS-75	3 (2)	80	6	99	71	12215	830	78	38	66	1 ¼"	1 ½"
		VCS-100	5 (2)	120	10	141	72	14809	1290	89	50	70	2"	2"
		VCS-150	5 (2)	120	10	212	73	21292	1290	89	50	70	2"	2"
	TRIPLEX	VCS-50	2 (3)	80	6	106	72	14331	940	78	38	66	1 ¼"	1 ½"
		VCS-75	3 (3)	80	9	148	73	18323	995	78	38	66	1¼"	1 ½"
		VCS-100	5 (3)	120	15	212	74	22213	1565	89	50	70	2"	2"
		VCS-150	5 (3)	120	15	318	75	31938	1565	89	50	70	2"	2"



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