

PureVac

VCS100-VCS150 VANE & VLR100-VLR150 DRY CLAW

Industrial Vacuum Systems

Manufacturing

Elmo Rietschle vacuum systems are manufactured at our facility in Missouri – a center of excellence for vacuum products. Each system is designed with the user in mind, for ease of selection, ordering, installation and maintenance. Elmo Rietschle continues to incorporate top notch expertise into new product development. These systems thrive in industrial applications, with a focus on being the industries' best in quality. Each system is ISO900 registered.



Why Elmo Rietschle

- 100+ years of engineering experience.
- High quality products. Elmo Rietschle is known for quality and performance.
- A global service network with on-site support.
- Knowledge in the form of system configurators, applications, design and manufacturing.
- Unmatched range of solutions available, all from one source.



Technical Data

Each pump model outlined below is available in a Duplex, Triplex, or Quadplex configuration. Flow capabilities for these systems range from 70.6 - 424 CFM, depending on your selection.

	PUMP MODEL	MOTOR		NOMINAL PUMPING SPEED		VACUUM LEVEL		PUMP TYPE	DUPLEX WEIGHT ¹		TRIPLEX WEIGHT ¹		QUADRAPLEX WEIGHT ¹	
		HP 60 Hz	KW 50 Hz	ACFM 60 Hz	ACFM 50 Hz	inHgV	TORR		LBS	KG	LBS	KG	LBS	KG
OPEN	VCS100	5	3.7	70.6	56.5	29.91	0.375	Oil Lube Rotary Vane	1070	485	1690	767	2025	919
	VCS150	5	3.7	106	84.8	29.91	0.375	Oil Lube Rotary Vane	1070	485	1690	767	2025	919
	VLR100	3	2.2	70.6	56.5	25.5	112.5	Hook & Claw	1140	518	1800	818	2175	989
	VLR150	5	3.7	106	84.8	27	75	Hook & Claw	1250	567	1965	891	2395	1086
ENCLOSED	VCS100	5	3.7	70.6	56.5	29.91	0.375	Oil Lube Rotary Vane	1640	744	2240	1016	2585	1173
	VCS150	5	3.7	106	84.8	29.91	0.375	Oil Lube Rotary Vane	1640	744	2240	1016	2585	1173
	VLR100	3	2.2	70.6	56.5	25.5	112.5	Hook & Claw	1710	776	2350	1066	2730	1238
	VLR150	5	3.7	106	84.8	27	75	Hook & Claw	1820	826	2515	1141	2950	1338

¹ System weights. Shipping weights will differ.

Design Features

- Duplex to Quadplex, expandable systems, open or enclosed
- Simple Plug & Play design
- 80 gallon ASME coded vertical receiver with 2" ANSI flanged inlet
- Multiple upgrades available
 - VFD's, redundancy
 - Tank sizes
 - And more
- Motor starter panel per module with disconnect switch (lockable)
- Control panel with 7" touchscreen, status light and maintenance indicators
- Common power panel for single customer electrical hook-up (ease of installation)



Elmo Rietschle
VLR150 Vacuum Pump

Materials

ITEM	MATERIAL DESCRIPTION	OPTIONS
Frame	Extruded aluminum	
Tank	80 gallon vertical air receiver, 200 psi max allowable working pressure	120 gallon vertical tank
Flexible Pipe	Wire reinforced PVC hose with 304SS 3" flanges	
Pressure Transducer	Digital compensated pressure transducer for general industrial uses. Up to 15 psi full scale range, 316SS construction.	
Inlet Filter	2" Stainless Steel "L" style vacuum filter with paper element to 2 micron	Dual filter bypass
Motor Starter	NEMA 4/12 enclosure with magnetic starter with overload protection	VFD optional adder for claw technologies
Inlet Manifold	3" schedule 40 steel pip with welded 1 1/2" couplings and 3" ANSI flange	



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