

VRSH twin screw compressor



High capacity compressors with horizontal oil separators

The Vilter™ VRSH rotary twin screw compressor is both robust and reliable. Designed for long periods of continuous operation, its low maintenance costs and compression efficiency minimizes operating costs. The smooth operation of the rotors enables the screw compressor to handle the most difficult gases and contaminants.

VILTER™
Since 1867


EMERSON™
Climate Technologies

Vission 20/20™ microprocessor control

Vilter's Vission 20/20 microprocessor control was designed with the end user in mind. It features a large 15" touch screen and a robust operating system for reliable operation. The controller includes safety controls, automatic and manual operation, maintenance tracking, graphical trending, and compressor sequencing. The 20/20 is capable of communicating to multiply systems using standard communication protocols and is protected by the innovative Security System with multiple password levels which ensures the safety of the compressor unit or system.

The simplicity of the Vission 20/20 is perfect for the new user and the sophistication of the interface will satisfy even the most experienced user. The enhanced system limit control allows for customized set points and sequencing of your units. The 20/20 is easily retrofitted for your current system and is ready for field expandability.

Multiple oil cooling methods

The VRSH compressor is available with plate thermosyphon, shell and tube thermosyphon, water cooled, or liquid injection oil cooling to satisfy any requirements.

Large capacity oil filter

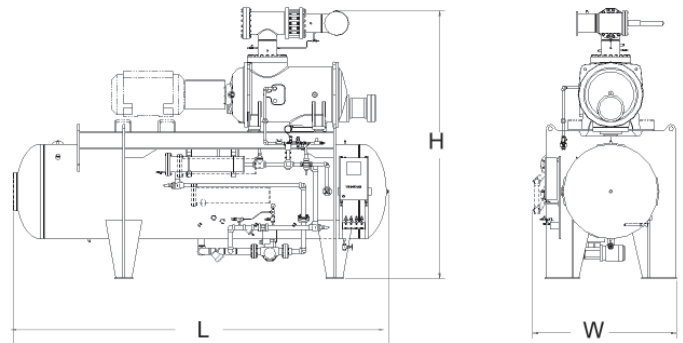
The internal cartridge filters out all particles larger than 12 microns prior to injection into compressor. The filter is equipped with inlet and outlet pressure transducers for monitoring pressure drop and shut off valves for servicing. Optional dual oil filters are also available.

Horizontal oil separator

The 6-stage horizontal oil separator provides minimal oil loss at design conditions. The oil separator includes easy to replace coalescing elements and dual sightglasses for ease in determining oil level.

Integral base

The compressor and motor are mounted on a structural steel base. This design allows the loads to be directly transmitted to the floor for minimal vibration.



Model #	CFM (3550 RPM)	Base Ratings		Connections (in.)		Dimensions (approx.)			Shipping Weight (lbs. – less motor)
		Tons	BHP	Suction	Discharge	Length	Width	Height	
VRSH-1900	1834	683	732	8	5	14'-5"	5'-8"	10'-3"	11,000
VRSH-1900E		759	744						
VRSH-2200	2226	808	879	8	5	14'-5"	5'-8"	10'-3"	11,100
VRSH-2200E		898	893						
VRSH-2700	2672	977	1112	8	6	15'-6"	6'-3"	11'-9"	14,300
VRSH-2700E		1086	1126						
VRSH-3400	3341	1223	1377	8	6	15'-6"	6'-3"	11'-9"	14,400
VRSH-3400E		1359	1395						
VRSH-3700	3669	1374	1542	8	6	15'-6"	6'-3"	11'-9"	14,600
VRSH-3700E		1528	1562						
VRSH-4500	4454	1626	1807	8	6	16'-0"	6'-7"	12'-5"	16,200
VRSH-4500E		1807	1836						

Tons and BHP based on ammonia at +20°F SST and 95°F SDT, 10°F liquid subcooling.
Dimensions based on use with liquid injection oil cooling an standard size oil separator.

EmersonClimate.com