

# Hydraulic Vapor Recovery Compressor HVR25-1016

## Specifications & Performance

HVR25 - 1016

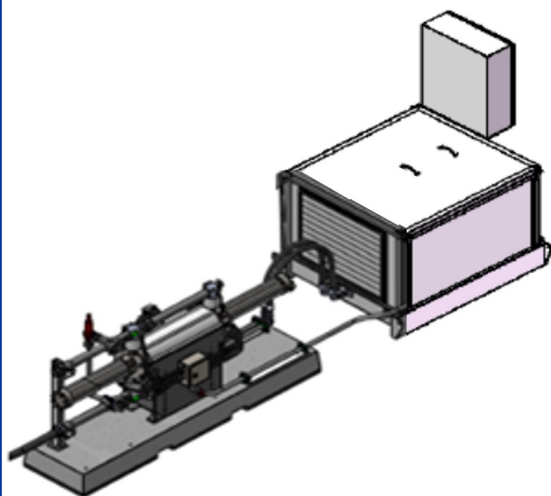
TECHNICAL SPECIFICATIONS

COMPRESSOR		
Type	Hydraulic drive low speed reciprocating compressor	
Capacity Control	Automatic by PLC, 100% turndown	
Wiring	Class 1 Div 2 Hazardous Location	
Piping	SA-106B Threaded Spools	
Compression Cylinder	<b>1016 Cylinder</b>	
Max Discharge Pressure	1100 psi std / 1500 optional	7600 kPa / 10300 kPa
Max ΔP	125 psi	862 kPa
Max Design Discharge Temperature	400°F	204°C
Max Geometric Displacement	95 mcf/d	2690 m <sup>3</sup> /day
Max Continuous Liquid Flow: 2-Phase Operation	509 bbl/d	81 m <sup>3</sup> /day

HYDRAULIC POWER PACK	
Driver	25 hp 3 phase TEFC electric motor
Pump	46 cc Single vane pump
Hydraulic Oil Filter	3 Micron
Oil Capacity	69 gal / 260 L
Cooling	Electric fan, finned tube type cooler
Oil Temperature Control	Automatic warm-up, air intake louver, cold-start protection
Wiring	General Purpose (remote from compressor)

CONTROLS AND INSTRUMENTATION	
System Control	PLC with data logging
Readout	Multifunction LCD Display
Remote Monitoring	Satellite callout for operating conditions, alarms, shutdowns

WEIGHTS AND DIMENSIONS		
Compressor on Concrete Slab	2600 lbs / 1180 kg	96" x 24" / 244 cm x 61 cm
Power Pack	1285 lbs / 580 kg	78" x 50" / 198 cm x 126 cm
Inlet Connector	2" NPT	1 ½" x 72" SS Flex Hose Standard
Discharge Connector	2" NPT	1 ½" x 72" SS Flex Hose Standard



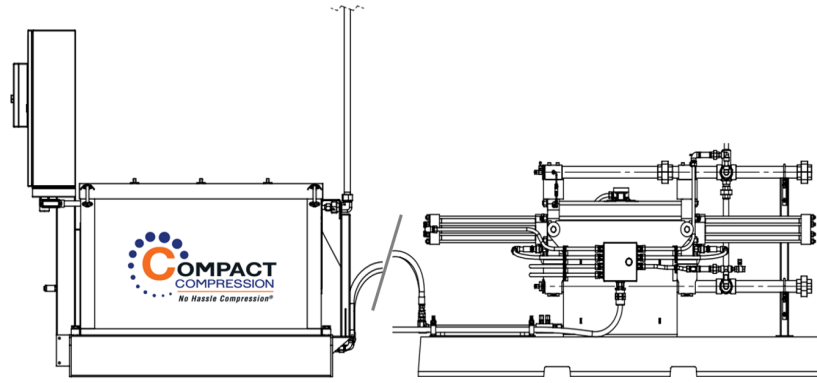
ALARMS AND SHUTDOWNS		
	Alarm	Shutdown
Suction Pressure Low	✓	
Discharge Pressure High	✓	
Differential Pressure High	✓	
Discharge Temperature High	✓	
Hydraulic Oil Temperature Low	✓	
Hydraulic Oil Temperature High	✓	✓
Hydraulic Oil Leak	✓	✓
Hydraulic Oil Level Low	✓	✓
Hydraulic Oil Filter High ΔP	✓	
Motor Overload		✓
ESD		✓



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## Key Features

- ☑ Processes liquids in the compressor (no extra liquids handling equipment required)
- ☑ No operator setup or adjustment needed
- ☑ Minimum moving parts, minimum maintenance
- ☑ Self-start / auto restart after power outage
- ☑ Satellite call system provides instant notification
- ☑ Best-in-class reliability (>99.7% uptime)
- ☑ 100% turn down



**HVR25-1016 (46cc Hydraulic Pump) Performance**

		Discharge Pressure (Max ΔP 125 psi)						
		25	50	75	100	125	150	
		psi						
		KPa	172	345	517	689	862	1034
Suction Pressure	0	77	71	67	62			
	0	2.2	2.0	1.9	1.8			
	5	105	100	95	90			
	34	3.0	2.8	2.7	2.5			
	10	135	129	123	118			
	69	3.8	3.7	3.5	3.3	0.0		
	15	164	157	152	146	141		
	103	4.6	4.4	4.3	4.1	4.0		
	20	193	186	180	175	169		
	138	5.5	5.3	5.1	5.0	4.8		
	25		216	209	203	197		
	172		6.1	5.9	5.7	5.6		
	30		245	238	232	226		
	207		6.9	6.7	6.6	6.4		
	35		274	267	260	254		
	241		7.8	7.6	7.4	7.2		
40		304	296	289	283	277		
276		8.6	8.4	8.2	8.0	7.8		
45		333	325	318	311	305		
310		9.4	9.2	9.0	8.8	8.6		
50			363	347	340	334		
345			10.3	9.8	9.6	9.5		

Flow rates based on 100% gas fillage. Liquid volumes reduce gas throughput as a % of swept volume.

Flow rates in mscf/d (e<sup>3</sup>m<sup>3</sup>/day). 15% correction factor applied to flow rates.

**\*Our team will be pleased to assist you with ideal HVR sizing and configuration for your operation.**

\*Projected performance at Sea Level, 14.7 psi, gas density 0.665, temp 68°F



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