

Hydraulic Vapor Recovery Compressor HVR15-613

Specifications & Performance

HVR15 - 613

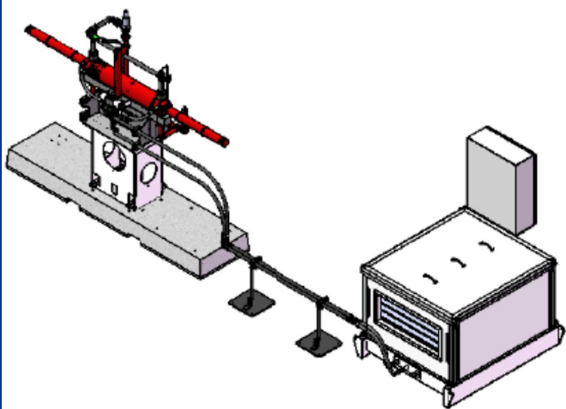
TECHNICAL SPECIFICATIONS

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	613 Cylinder	
Max Discharge Pressure	1100 psi std / 1500 optional	7600 kPa / 10300 kPa
Max ΔP	225 psi	1550 kPa
Max Design Discharge Temperature	400°F	204°C
Max Geometric Displacement	28 mcf/d	787 m ³ /day
Max Continuous Liquid Flow: 2-Phase	150 bbl/d	24 m ³ /day

HYDRAULIC POWER PACK	
Driver	15 hp 3 phase TEFC electric motor 1800 rpm
Pump	Single vane pump
Hydraulic Oil Filter	6 Micron
Oil Capacity	34 gal / 129 L
Cooling	Electric fan, finned tube 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	2084 lbs / 945 kg	98" x 24" / 248 cm x 61 cm
Power Pack	1285 lbs / 580 kg	78" x 50" / 198 cm x 126 cm
Inlet Connector	1" NPT	1" x 48" SS Flex Hose Standard
Discharge Connector	1" NPT	1" x 48" 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



HVR15-613 (37cc Hydraulic Pump) Performance

		Discharge Pressure (Max ΔP 225 psi)							
psi		25	50	75	100	125	150	175	200
KPa		172	345	517	689	862	1034	1207	1379
Suction Pressure	0	34	33	32	31	30	29	28	27
	0	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.8
	5	46	45	43	42	41	40	39	38
	34	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.1
	10	58	57	55	54	53	52	51	50
	69	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4
	15	70	69	67	66	65	64	63	62
	103	2.0	2.0	1.9	1.9	1.8	1.8	1.8	1.8
	20	82	81	79	78	77	76	75	74
	138	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1
	25		93	91	90	89	88	87	85
	172		2.6	2.6	2.5	2.5	2.5	2.5	2.4
	30		105	103	102	101	100	98	97
	207		3.0	2.9	2.9	2.9	2.8	2.8	2.7
	35		117	116	114	113	111	110	109
	241		3.3	3.3	3.2	3.2	3.1	3.1	3.1
40		129	128	126	125	123	122	121	
276		3.7	3.6	3.6	3.5	3.5	3.5	3.4	
45		142	140	138	137	135	134	133	
310		4.0	4.0	3.9	3.9	3.8	3.8	3.8	
50			152	150	149	147	146	144	
345			4.3	4.2	4.2	4.2	4.1	4.1	

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

Flow rates in mscf/d (e³m³/day). 15% correction factor applied to flow rates. Grey cells indicate 20HP motor.

***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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