

HYDRAULIC VAPOR RECOVERY COMPRESSOR SERIES

RELIABLE, DURABLE, LOW COST, NO HASSLE VAPOR RECOVERY



KEY FEATURES

- ✓ Ideally suited for wet or dry, low volume vapor recovery applications
- ✓ Extremely tight suction pressure control (+/- 2 oz @ 0 psi)
- ✓ Self-regulated capacity control, set & forget PLC control
- ✓ Processes liquids and slugs in the compression cylinder
- ✓ Maximum ΔP up to 375 psi
- ✓ 100% turndown capability
- ✓ Extremely durable intake and discharge valve design
- ✓ SkyView Real-time monitoring for cost-effective demand-based maintenance
- ✓ No Hassle Service Plan for optimal performance and reliability



BENEFITS

- ✓ Low capital and operating cost, excellent ROI
- ✓ Capture valuable emissions to increase revenue
- ✓ No need for inlet liquid handling equipment
- ✓ Ideal for dry and wet gas applications
- ✓ No venting
- ✓ Low maintenance
- ✓ Easy communications with customer systems
- ✓ Versatility and configurability
- ✓ Meet regulatory emissions standards
- ✓ Best-in-class reliability (>99.7% uptime)

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APPLICATIONS

- Storage Tanks
- Treaters
- Separators
- Seal Vents on Large Reciprocating Compressors
- Gas Storage Operations

OPTIONS

- Power Pack Enclosure (HVR75)
- Hydraulic Heat Trace (10% of electric heat trace cost!)
- Inlet Particle Filter
- Sour Service Available
- Configurable for Varying Operating ΔP and Flow
 - * Motor
 - * Compression Cylinder Size
 - * Hydraulic Pump
 - * Multi-Stage Units
- Electric or Gas Drive | Skid or Trailer Mounted Units

HVR PROJECTED PERFORMANCE

		Discharge Pressure									
		psi	50	75	100	125	150	175	200	225	
		KPa	345	517	689	862	1034	1207	1379	1551	
HVR10	Max ΔP 110 psi	Suction Pressure	0	21	20	19					
			0	0.6	0.6	0.5					
			5	29	28	27	26				
			34	0.8	0.8	0.8	0.7				
			10	36	35	34	34				
			69	1.0	1.0	1.0	1.0				
			15	44	43	42	41				
			103	1.2	1.2	1.2	1.2				
			20	52	51	50	49				
	138	1.5	1.4	1.4	1.4						
HVR15	Max ΔP 140 psi	Suction Pressure	0	33	32	31	30	30			
			0	0.9	0.9	0.9	0.8	0.8			
			5	45	44	43	42	41			
			34	1.3	1.2	1.2	1.2	1.2			
			10	57	56	55	54	53			
			69	1.6	1.6	1.6	1.5	1.5			
			15	69	68	67	66	65			
			103	2.0	1.9	1.9	1.9	1.8			
			20	81	80	79	78	77	76		
	138	2.3	2.3	2.2	2.2	2.2	2.2				
HVR50	Max ΔP 190 psi	Suction Pressure	0	97	91	84	78	73	67	64	
			0	2.7	2.6	2.4	2.2	2.1	1.9	1.8	
			5	136	129	123	116	110	104	100	
			34	3.8	3.7	3.5	3.3	3.1	2.9	2.8	
			10	175	168	161	154	148	142	136	
			69	5.0	4.8	4.6	4.4	4.2	4.0	3.8	
			15	214	207	200	193	186	180	174	173
			103	6.1	5.9	5.7	5.5	5.3	5.1	4.9	4.9
			20	254	246	239	231	225	218	212	209
	138	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.9		
HVR75-1020	Max ΔP 190 psi	Suction Pressure	0	194	181	169	157	145	134	127	
			0	5.5	5.1	4.8	4.4	4.1	3.8	3.6	
			5	272	258	245	232	220	208	199	
			34	7.7	7.3	6.9	6.6	6.2	5.9	5.6	
			10	350	336	322	309	296	284	271	
			69	9.9	9.5	9.1	8.7	8.4	8.0	7.7	
			15	429	414	400	386	372	360	347	345
			103	12.1	11.7	11.3	10.9	10.5	10.2	9.8	9.8
			20	508	492	477	463	449	436	423	418
	138	14.4	13.9	13.5	13.1	12.7	12.3	12.0	11.8		

Performance at sea level (STP: 68 F, 14.696 psi). Flow rates in mscf/d (e3m3/day). Values in grey are at max ΔP .

Contact our team for assistance with correct HVR sizing and configuration for your operation.

