

# VAPOR RECOVERY COMPRESSOR (HVR)

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  $\Delta P$  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

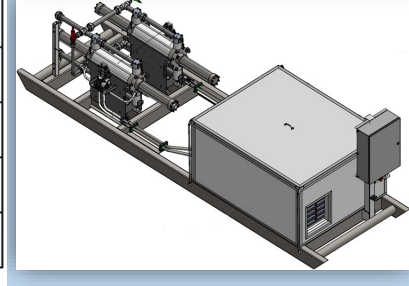
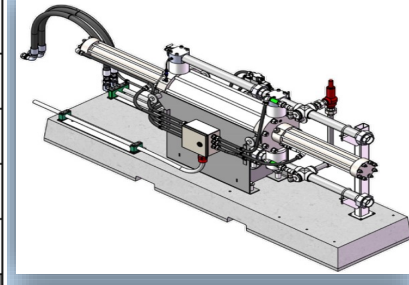
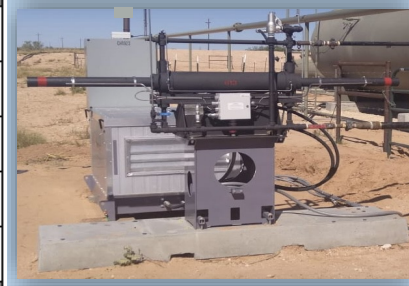
- Storage Tanks
- Treaters
- Separators
- Seal Vents on Large Reciprocating Compressors
- Gas Storage Operations

## OPTIONS

- Power Pack Enclosure (HVR75)
- Hydraulic Heat Trace ( 10% of electric heat trace cost! )
- Inlet Particle Filter
- Sour Service Available
- Configurable for Varying Operating  $\Delta P$  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 <sub>a</sub>	345	517	689	862	1034	1207	1379	1551
HVR10	Max $\Delta P$ 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 $\Delta P$ 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 $\Delta P$ 190 psi Suction Pressure	0	96	89	83	77	71	66	62	
		0	2.7	2.5	2.4	2.2	2.0	1.9	1.8	
		5	134	127	120	114	108	102	97	
		34	3.8	3.6	3.4	3.2	3.1	2.9	2.7	
		10	172	165	158	151	145	139	133	
		69	4.9	4.7	4.5	4.3	4.1	3.9	3.8	
		15	211	203	196	189	183	176	170	
		103	6.0	5.7	5.6	5.4	5.2	5.0	4.8	
		20	249	241	234	227	220	213	207	
		138	7.1	6.8	6.6	6.4	6.2	6.0	5.9	
HVR100	Max $\Delta P$ 190 psi Suction Pressure	0	191	178	166	154	143	132	125	
		0	5.4	5.0	4.7	4.4	4.0	3.7	3.5	
		5	268	254	241	229	217	205	196	
		34	7.6	7.2	6.8	6.5	6.1	5.8	5.5	
		10	345	330	317	304	291	279	267	
		69	9.8	9.3	9.0	8.6	8.2	7.9	7.6	
		15	422	407	393	380	367	354	342	339
		103	11.9	11.5	11.1	10.8	10.4	10.0	9.7	9.6
		20	500	484	470	456	442	429	416	404
		138	14.2	13.7	13.3	12.9	12.5	12.1	11.8	11.4



Performance at sea level, 14.7 psi, gas density .665, temp 68°F. Flow rates in mscf/d (e<sup>3</sup>m<sup>3</sup>/day). We will be pleased to assist you with ideal HVR sizing and configuration for your operation.



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