

VRU Vapor Recovery Unit

- Lower and maintain tank or vessel pressures as low as 1 oz/in² (0.0625 psi / 4.3 kPa).
- Handle vapor and associated liquids without scrubbers, knock outs, etc.
- Discharge vapors into a pipeline, compressor, or separator.
- 100% turndown capability with no recirculation required, lowering power consumption, and generating less heat.
- Less maintenance intervals than screw and traditional reciprocating compressors.
- No oil to change or bearings that fail when the light ends degrade the oil.
- Fully automated unit requiring minimal supervision.
- +99% runtime and all service done on site in a matter of hours.

VRU Model	823	828	8"	10"	12"	16"	18"	22"	32"	40"	40/20" (1)		
Δp (2)	160	240	380	320	600	320	270	180	100	75	285	psi	
	1103	1655	2620	1585	4136	2206	1862	1241	689	517	1965	kPa	
Max Discharge	740					400 (3)			285			psi	
	5102					2758			1965			kPa	
HP (4)	15	15	30	30	30	75	50	75	150			hp std	
			75	125	150	150	150	150	350			hp max	
Max Discharge Temp	200		150 (5)									°C	
	Max Liquid Equivalent Capacity (6)												
	748	500	1,294	2,114	3,107	4,614	6,217	8,872	15,166	23,730	N/A	m ³ /d	
Tank Pressure	Vapor Volumes @ 50 psi Discharge Pressure											Pd 280 psi	
	16 / 1	1.12	0.51	1.32	2.16	3.16	4.70	6.32	9.10	15.50	24.20	23.30	e3m ³ /d
	8 / 0.5	1.08	0.49	1.28	2.08	3.07	4.53	6.15	8.71	15.00	23.30		e3m ³ /d
	4 / 0.25	1.06	0.48	1.25	2.04	3.00	4.45	6.00	8.56	14.70	22.90		e3m ³ /d
	2 / 0.125	1.05	0.48	1.24	2.03	2.99	4.43	5.94	8.51	14.60	22.70		e3m ³ /d
	1 / .0625	1.05	0.47	1.24	2.02	2.96	4.42	5.91	8.50	14.50	22.60		e3m ³ /d
(Oz/Sq-In / psi)													

(1) Two Stage Intercooled Unit

(2) Pressure differentials can be increased up to 740 psi by setting units in series (for ANSI 300

(3) Optional ANSI 300 - 740 psi MAWP and ANSI 600 - 1480 psi MAWP.

(4) Lower HP motors can be used on some applications if required.

(5) Higher discharge temperature options also available and/or coolers can also be added.

(6) Volumes can be increased by setting units in parallel

Find the latest table updates at www.myjack.com

WHEN TO USE AN IJACK VRU VAPOR RECOVERY UNIT

Applications and Benefits:

- **Maintain tanks, towers, treater separators, and other vessels pressure differential with atmospheric pressure.**
 - Maintain adequate and safe vessel pressures avoiding over pressurization and vacuum states, conserving the structure integrity.
 - Remove volatile flammable vapors from the system, decreasing fire / explosion risk.
 - Eliminate venting and flaring of emissions.

- **Capture and transfer tank / vessel vapors and condensates to a facility.**
 - Recover valuable condensates.
 - Avoid odours around tanks farms.