

VRU Vapor Recovery Unit

- Lower and maintain tank / 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 bearings which fail due when the light ends degrade the bearing lubrication.
- Fully automated unit requiring minimal supervision.

VRU Model	823	828	830	1030	1035	1235	1835	1845	1860	2245	2260		
Δp	160	240	380	230	320	220	65	160	270	100	180	psi	
	1103	1655	2680	1586	2206	1516	448	1103	1862	689	1241	kPa	
Max Discharge	740 (2)						400 (2)					psi	
	5102						2758					kPa	
HP	15	15	30	30	50	50	50	75	100	75	125	hp std	
				50	75			100	125	100	150	hp max	
Max Discharge Temp	200			150 (1)								°C	
	Max Liquid Equivalent Capacity (3)												
	748	500	825	2,114	1,748	2,642	6,217	5,887	5,539	8,872	8,393	m3/d	
Tank Pressure	Vapor Volumes @ 50 psi Discharge Pressure (3)												
	16 / 1	1.12	0.51	0.76	1.94	1.94	2.60	5.30	5.00	4.70	7.50	8.60	e3m3/d
	8 / 0.5	1.08	0.48	0.73	1.87	1.87	2.50	5.20	4.70	4.50	7.30	8.30	e3m3/d
	4 / 0.25	1.06	0.48	0.72	1.84	1.84	2.40	5.10	4.60	4.30	7.20	8.20	e3m3/d
	2 / 0.125	1.05	0.48	0.71	1.82	1.82	2.40	5.00	4.50	4.25	7.10	8.10	e3m3/d
	1 / .0625	1.04	0.47	0.71	1.81	1.81	2.40	5.00	4.50	4.22	7.00	8.10	e3m3/d

(Oz/Sq-In / psi)

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

(2) Optional ANSI 300 - 740 psi MAWP and ANSI 600 - 1440 psi MAWP.

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

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

Find the latest table updates at www.myijack.com

WHEN TO USE AN IJACK VRU VAPOR RECOVERY UNIT

Applications and Benefits:

- **Maintain target tank / vessel pressure differential with atmospheric pressure.**
 - Maintain adequate and safe tank / vessel pressures avoiding over pressurization and vacuum states, conserving the tank / vessel 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.