

VRU Vapor Recovery Unit

- Lower and maintain tank 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% turn down capability - No recirculation or lube oil required with consumes power and creates heat.
- Less maintenance intervals than screw and traditional reciprocating compressors.
- No bearings or gaskets 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	2245		
Δp	160	240	380	230	320	220	65	160	100	psi kPa	
	1103	1655	2680	1586	2206	1516	448	1103	689		
Max Discharge	740						400 (1)			psi kPa	
	5102						2758				
HP	15	15	30	30 50	50 75	50	50	75 100	75 100	hp std hp max	
Max Discharge Temp	200		150 (2)							°C	
Max Liquid Equivalent Capacity (3)											
	748	500	825	2,114	1,748	2,642	6,217	5,887	8,872	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	7.50	e3m3/d
	8 / 0.5	1.08	0.48	0.73	1.87	1.87	2.50	5.20	4.70	7.30	e3m3/d
	4 / 0.25	1.06	0.48	0.72	1.84	1.84	2.40	5.10	4.60	7.20	e3m3/d
	2 / 0.125	1.05	0.48	0.71	1.82	1.82	2.40	5.00	4.50	7.10	e3m3/d
	1 / .0625	1.04	0.47	0.71	1.81	1.81	2.40	5.00	4.50	7.00	e3m3/d

(Oz/Sq-In / psi)

- (1) ANSI 300 – 740 psi Max discharge option is available
- (2) Higher discharge temperature options also available and/or coolers can also be added.
- (3) 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 top pressure differential with atmospheric pressure.**
 - Maintain adequate and safe tank top pressures avoiding over pressurization and vacuum states, conserving the tank integrity.
 - Remove volatile flammable vapors from the system, decreasing fire / explosion risk.
 - Eliminate venting and flaring of emissions.
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- **Capture and transfer tank / vessel vapors and condensates to a facility.**
 - Recover valuable condensates.
 - Avoid odours around tanks farms.