

# VRU Vapor Recovery Unit

- Lower and maintain tank pressures as low as 1 oz/in<sup>2</sup> (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	
$\Delta p$	160	240	380	230	320	220	65	160	100	psi
Max Discharge	740						400 (1)		740	psi
HP	15	15	30	30 50	50 75	50	50	75 100	75 100	hp std hp max
Max Discharge Temp	392		300 (2)							°F
	Max Liquid Equivalent Capacity (3)									
	4,705	3,145	5,189	13,297	10,995	16,618	39,104	37,028	55,803	bbls/d
	Vapor Volumes @ 50 psi Discharge Pressure (3)									
Tank Pressure 16 / 1	39.6	17.8	26.8	68.5	68.5	91.8	187.2	176.6	264.9	Mcfd
8 / 0.5	38.1	17.1	25.8	66.1	66.1	88.3	183.7	166.0	257.9	Mcfd
4 / 0.25	37.4	16.9	25.4	65.0	65.0	84.8	180.1	162.5	254.3	Mcfd
2 / 0.125	37.1	16.8	25.1	64.3	64.3	84.8	176.6	159.0	250.8	Mcfd
1 / .0625	36.7	16.6	25.1	63.9	63.9	84.8	176.6	159.0	247.3	Mcfd

(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](http://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.