



# VRU Vapor Recovery Unit

- Lower and maintain tank / vessel 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% 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	
$\Delta p$	160	240	380	230	320	220	65	160	270	100	180	psi
Max Discharge	740 (2)						400 (2)					psi
HP	15	15	30	30 50	50 75	50	50	75 100	100 125	75 100	125 150	hp std hp max
Max Discharge Temp	392		300 (1)									°F
Max Liquid Equivalent Capacity (3)												
	4,705	3,145	5,189	13,297	10,995	16,618	39,104	37,028	34,839	55,803	52,790	bbbls/d
Vapor Volumes @ 50 psi Discharge Pressure (3)												
Tank Pressure	39.6	17.8	26.8	68.5	68.5	91.8	187.2	176.6	166.0	264.9	303.8	Mcfd
16 / 1	38.1	17.1	25.8	66.1	66.1	88.3	183.7	166.0	159.0	257.9	293.2	Mcfd
8 / 0.5	37.4	16.9	25.4	65.0	65.0	84.8	180.1	162.5	152.0	254.3	289.6	Mcfd
4 / 0.25	37.1	16.8	25.1	64.3	64.3	84.8	176.6	159.0	150.1	250.8	286.1	Mcfd
2 / 0.125	36.7	16.6	25.1	63.9	63.9	84.8	176.6	159.0	149.1	247.3	286.1	Mcfd
1 / .0625												

(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](http://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.