

Technical Data Sheet

Model: MVP - 6 CFM Vapor Recovery Pump

	US	Metric
LP-Gas vapor recovery rate	6 cfm	0.17 m ³ /min
Butane recovery rate	1 lb/min	0.5 kg/min
Butane recovery and re-condense rate	12 GPH	45.42 L/hour
Maximum pumping outlet pressure, Continuous	60 PSI	0.41 MPa, 4.1 bar
Maximum pumping outlet pressure, Intermittent	70 PSI	0.48 MPa, 4.8 bar
Maximum pumping inlet vacuum produced	27 inHg	91 kPa, 0.91 bar
Center section CO2 change range, Continuous	5-70 PSI	0.03-0.48 MPa, 0.3-4.8 bar
Center section CO2 change range, Intermittent	80 PSI	0.55 MPa, 5.5 bar
Equipment Withstand Pressure	375 PSI	2.59 MPa, 25.9 bar
Maximun CO2 consumption	<0.2 scfh	<0.006 cubic meters/hour
CO2 inlet size	1/4 in. npt(f)	
Maximum pump speed	190 cpm	
Process Inlet and Outlet Size	1/2 in. JIC male	
Optional pressure gauge ports: inlet/outlet	1/4 in. npt(f)	
Weight	182.5lb	82.8kg
Dimensions:	17"W x 19.9"L x 46"T	
Electric Motor:	1 HP, 18RPM , 60Hz Explosion proof for C1D1 hazardous areas	

Model MVP-6CFM-3PH, inverter rated

Power	1 HP	.075kW
Speed	1800 rpm, (60 Hz)	
Gear Ratio	9.41	
Voltage	3-phase 208-230/460V	
Maximum Amperage Load	3.3 A (230V / 1.65 A (460V)	

Model MVP-6CFM-1PH

Power	1 HP	0.75 kW
Speed	1800 rpm (60 Hz)	
Gear Ratio	9.41	
Voltage	1-phase 115/208-230V	
Maximum Amperage Load	13.4 A (115V / 6.7 A (230V)	

Noise Data

Sound Power (measured per ISO-9614-2)	88.5 dBa
Sound Pressure [tested 3.28ft (1m) from equipment]	80.5 dBa

Materials

Process Pressure Section and Reed Valves	Stainless Steel
Diaphragms	Standard: FKM fluoroelastomer Optional: PTFE
Process Vapor Temperature Range	FKM: -40° to 275°F (-40° to 135°C) PTFE: +40° to 220°F (+4° to 104°C)

