

## Technical Data Sheet

### Model: MVP - 150 Vapor Recovery Pump

	US	Metric
LP-Gas vapor recovery rate	6 cfm	0.17 m <sup>3</sup> /min
Butane recovery rate	1.5 lb/min	0.68 kg/min
Butane recovery and re-condense rate	18 GPH	68.1 L/hour
Propane recovery rate	2 lb/min	0.9 kg/min
Propane recovery and re-condense rate	24 GPH	90.8 L/hour
Maximum pumping outlet pressure	150 PSI	1.03 MPa, 10.3 bar
Maximum pumping inlet vacuum produced	27 inHg	91 kPa, 0.91 bar
Center section CO2 change range	150 PSI	1.03 MPa, 10.3 bar
Equipment Withstand Pressure	375 PSI	2.59 MPa, 25.9 bar
Maximum CO2 consumption	<0.2 scfh	<0.006 cubic meters/hour
CO2 inlet size	1/4 in. npt(f)	
Maximum pump speed	220 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
Electric Motor: Explosion proof for C1D1 hazardous areas		

#### Model MVP-150-3PH, inverter rated

Power	2 HP	1.5kW
Speed	3600 rpm, (60 Hz)	
Gear Ratio	16.5:1	
Voltage	3-phase 208-230/460V	
Maximum Amperage Load	5.2 A (230V / 2.6 A (460V)	

#### Model MVP-150-1PH

Power	2 HP	1.5 kW
Speed	3600 rpm (60 Hz)	
Gear Ratio	16.5:1	
Voltage	1-phase 115/208-230V	
Maximum Amperage Load	20 A (115V / 10 A (230V)	

#### Model MVP-150-ATEX

Power	2 HP	1.5 kW
Speed	3420 rpm (60 Hz) or 2850 rpm (50 Hz)	
Gear Ratio	16.5:1	
Voltage	3-phase 240V / 3-Phase 415V	
Maximum Amperage Load	5.44 A (230V / 3.14 A (460V)	

#### 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)

