

Technical Data Sheet

MVP Vapor Recovery Pump 18 CFM XL



	US	Metric
LP-Gas vapor recovery rate	18 cfm	5 m ³ /min
Butane recovery rate	3-4.5 lb/min	1.3-2 kg/min
Butane recovery and re-condense rate	35-50 GPH	135-200 L/hr
Propane recovery rate	4-6 lb/min	1.8-2.5 kg/min
Propane recovery and re-condense rate	50-70 GPH	180-270 L/hr
Max pumping outlet pressure	150 PSI	1.03 MPa, 10.3 bar
Max 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 m ³ /hr
CO2 inlet size	1/4 in. npt(f)	
Maximum pump speed	174 cpm	
Process Inlet and Outlet Size	11 in. JIC male	
Optional pressure gauge ports: inlet/outlet	1/4 in. npt(f)	
Weight	360.5lb	163kg
Electric Motor: Explosion proof for C1D1 hazardous areas		
Power:	5HP	3.7kw
Speed	1800 rpm (30 Hz)	
Gear Ratio	100.4:1	
Voltage	3-phase 208-230/460V	
Maximum Amperage Load	13.1 A (716V) / 6.6 A (565V)	

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)