

IMW Industries Ltd. is a North American company located in Canada with over 100 years of manufacturing experience. In 1912, IMW started as a Blacksmith shop in Chilliwack, BC and was named Ironsides Machining & Welding, marking the beginning of IMW's journey. As a leading manufacturer of Natural Gas Compression Systems in the alternative energy industry, IMW has supplied over 3,000 compression units worldwide in Midstream, Industrial and Distribution markets since 1984.

PRODUCT OVERVIEW



IMW has leveraged their expertise in pressure reduction products to deliver the new immersion heater platform which combines 3 historical pieces of equipment (Decant Post, PRM, & HCM) into a single compact product. IMW's PRS-500 provides reliable and continuous gas supply in a standard, compact design. The PRS-500 features efficient and reliable outlet pressure and temperature for any application.

*PRS-500 is designed to defuel from a trailer not charged in excess of the quantity of fuel that would result in a gas pressure equal to 250 Barg (3626 psig) @ 21°C (70°F).

DATASHEET

DATA	UNIT OF MEASURE	VALUES
MODEL	-	PRS-500
DESIGN INLET PRESSURE	bar (psi)	310 (4,500)
GAS INLET TEMP.	°C (°F)	-40/+50 (-40/+122)
DESIGN OUTLET PRESSURE	bar (psi)	0.3 ÷ 34.5 (5 ÷ 50). Higher pressures available upon request
GAS OUTLET TEMP. RANGE	°C (°F)	0 ÷ 60 (32 ÷ 140)
FLOWRATE RANGE	Sm ³ /h (SCFM)	0 ÷ 500 (0 ÷ 311). Higher flows available upon request
GAS HEATING	-	Electric Immersion Heater
PRESSURE REGULATION	No. stages	2
DIMENSIONS (LxWxH)	Meters (feets)	1.17x0.89x3.97 (3.8x2.9x13.0)
ELECTRICAL CLASSIF.	-	C1D2 (C1D1 inside the cabinet)
CODE COMPLIANCE	-	ANSI, ASME, NFPA, UL, CSA

BENEFITS



MULTIPLE HOSE OPTION

The customer can switch over between 2 trailers from a single PRS.



MOBILE APPLICATIONS

The minimal installation requirements of the product line make it ideal for mobile applications. This means that customers can take their equipment on the go, which can be especially useful for businesses that need to operate in different locations.



REDUNDANT SAFETY SYSTEM

Fully mechanical relief valve and inlet valve shutoff system protects the customer even in the event of electrical or PLC failure.