

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



As the interest in hydrogen continues to grow, the development of our hydraulically driven hydrogen compressor has been a game changer for the delivery of clean, high-pressure hydrogen. Designed to meet the specific needs of the hydrogen market, our compressor offers a range of benefits that can help you achieve your goals.

DATASHEET

DATA	UNIT OF MEASURE	VALUES
DRIVEN CONFIGURATION	-	Single hydraulically driven reciprocating compressor
SUCTION PRESSURE	bar (psi)	69 ÷ 209 (1000 ÷ 3,031)
DISCHARGE PRESSURE	bar (psi)	949 (13,760)
MAX FLOWRATE	Ncm/h (SCFM)	612 (360)
MAX POWER	kW (Hp)	75 (100)
MAX COMPRESSOR SPEED	rpm	50
NOISE LEVEL	dB(A)	90 @ 3M
SKID FOOTPRINT	Meters (feets)	4.1L X 1.4W X 1.5H (13.5L X 4.5W X 5.0H) *+ RADIATORS & MCC
OPERATING TEMP. RANGE	°C (°F)	-20 ÷ +45 (4 ÷ +113)
CODE COMPLIANCE	North America	CAN/BNQ 1784-000, CSA/HGV 4.8, CSA/HGV 4.9, ISO 19880-1, CSA B51-14, ASME BPVC, CSA C22.1

BENEFITS



OIL FREE

Oil free non-lubricated cylinders protect the gas from contamination. Full stroke length distance pieces isolate the hydraulic drive oil from the gas system.



EFFICIENT

Long slow stroke and small clearance volume in the compressor result in high volumetric efficiency.



SERVICEABILITY

The pistons in each cylinder allow for quick removal for servicing by removing the head.

PERFORMANCE

@950 bar discharge pressure

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Reduced discharge pressure below 69 bar suction

