

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



A cutting-edge green compact design solution with top-in-class serviceability, availability, reliability and modularity. It includes the following components:

- Non-lubricated IMW50 proven compressor block
- Air-cooled
- Compressor train (IMW50 reciprocating compressor coupled to electrical motor)
- Electrical Panel equipped with Siemens PLC/HMI
- On-skid priority panel (1, 2, 3 lines depending on customer need)

DATASHEET

DATA	UNIT OF MEASURE	VALUES
DRIVEN CONFIGURATION	-	Single IMW50 series compressor, can be configured for twin or triple installation, suitable for containerized shipping
SUCTION PRESSURE	bar (psi)	Multiple ranges from: 0.3 ÷ 70 (5 ÷ 1,015)
DISCHARGE PRESSURE	bar (psi)	Up to 345 (5,000)
MAX FLOWRATE	Sm ³ /hr (SCFM)	4,909 (2,895)
MAX POWER	kW (Hp)	224 (300)
COMPRESSOR SPEED	rpm	550 - 985
OIL CARRYOVER	ppm	10 or less
NOISE LEVEL	dB(A)	<75 or <85 @3M
SKID FOOTPRINT	Meters (feet)	3.2L x 2.2W x 2.3H (10.5L x 7.3W x 7.4H)
OPERATING TEMP. RANGE	°C (°F)	-40 ÷ +45 (-40 ÷ +113)
CODE COMPLIANCE	North America	ASME B31.3, ASME BPVC, CSA B51, CSA B108, NFPA 52, NFPA 70, UL508A, CSA 22.2, CSA 12.8
	Europe	ATEX, PED

BENEFITS



GREEN

CleanCNG design with its well-known IMW50 series non-lubricated compressor produces the cleanest possible downstream gas, avoiding oil buildup in storage cylinders as well as ensuring cleaner combustion in the vehicles.



MODULAR DESIGN

Streamlined and modular engineering improves initial specification. Available in twin or tri-compressor integrated systems for efficient flexibility and mission critical redundancy.



SERVICEABILITY

Designed to ensure easy access to service and maintenance activities, featuring in service pathway for easy access, multiple door panels, "Slide-out" air cooler sections.