

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

The BoosterRNG is a reliable, efficient, and versatile solution. With the IMW50 series compressor, our booster compressor for RNG has been specifically designed to optimize the production of RNG, resulting in improved efficiency, enhanced safety, improved quality, and versatility.

The BoosterRNG can be used in different applications, such as injecting gas into pipelines, filling up vehicles, or used in factories for heating or power generation.

DATASHEET

DATA	UNIT OF MEASURE	VALUES
DRIVEN CONFIGURATION	-	Single IMW50 series compressor matching suction supply flow for pipeline injection or trailer filling
SUCTION PRESSURE	bar (psi)	Multiple ranges from: 0.3 ÷ 70 (5 ÷ 1,015)
DISCHARGE PRESSURE	bar (psi)	34.5 ÷ 310 (500 ÷ 4,500)
MAX FLOWRATE	Sm ³ /hr (SCFM)	4,909 (2,895) per compressor
MAX POWER	kW (Hp)	224 (300), 150 (200), 112 (150), or 75 (100)
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

BENEFITS



ENVIRONMENTAL SUSTAINABILITY

By using a booster compressor for RNG, the production process can be made even more environmentally sustainable, as it enables the efficient compression and transportation of RNG to different locations, where it can be used as a clean fuel source.



VERSATILITY AND FLEXIBILITY

The BoosterRNG can be used in a variety of applications, making it a versatile and flexible solution for different industries. It can be used to inject RNG into gas pipelines, enabling it to be transported long distances to different locations. It can also be used to fill up vehicles, which are becoming increasingly popular as a clean and sustainable transportation option. Additionally, it can be used in industrial processes, such as for heating or power generation, providing a reliable and sustainable source of energy.



INCREASED EFFICIENCY

The IMW50 series compressor has been optimized to work with RNG, resulting in high reliability