

VRU-2



NATURAL GAS COMPRESSOR VAPOR RECOVERY UNIT

The VRU-2 is designed to be perfectly suited as a Vapor Recovery Unit, as well as a small natural gas booster compressor. The VRU-2 is a small unit with a simple design, but it has been engineered with heavy duty components and extremely durable running gear, operating at a relatively low speed. These robust features make this unit more reliable and longer lasting than other compressors of this type.

The VRU-2 utilizes two VRU-1 single-throw compressor frames connected together and utilizing a common two-throw crankshaft. This versatile design can easily be converted from a two-throw compressor to dual single-throw compressors by separating the frames and simply changing the crankshaft.

The VRU-2 is rated at 50 hp and typically belt-driven by an electric motor or engine at a maximum of 900 rpm. It has a combined rod-load capacity of 10,000 pounds, and is available with either 5" or 8" double-acting cylinders which utilize simple poppet valves. The VRU-2 can be configured as a single-stage compressor with two 5" or 8" cylinders, or as a two-stage unit with the 8" cylinder as first-stage and the 5" cylinder as the second stage.

Please contact Arrow Engine Company for more information on the VRU-2 Compressor, or consider having the Arrow Compression Products Packaging Division provide a complete turn-key compressor package built to your specifications.



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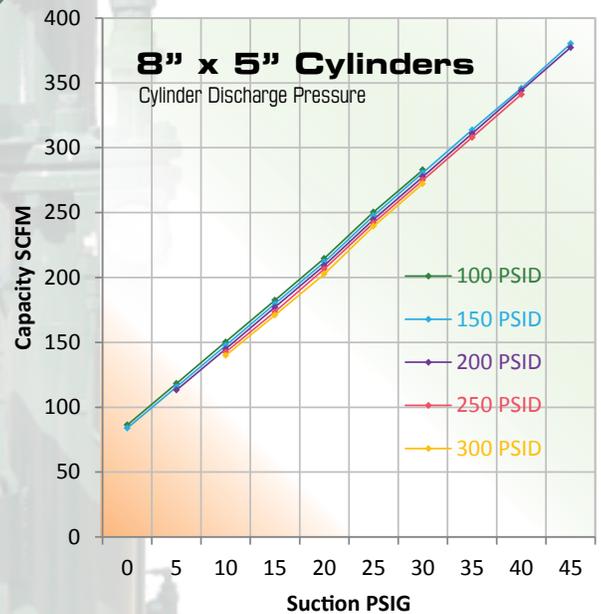
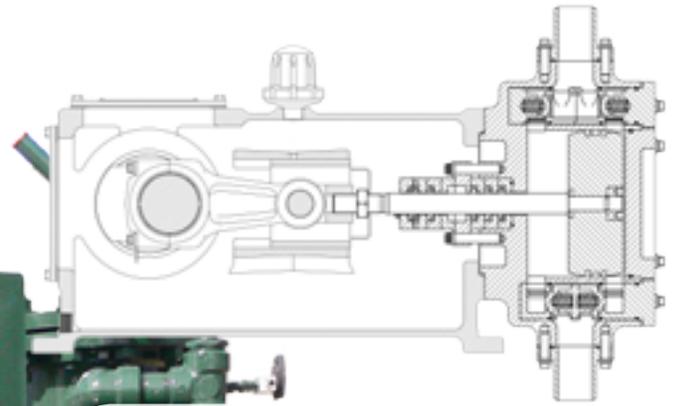
DESIGN SPECIFICATIONS

FRAME

Horsepower	50 BHP
Speed Range	150-900 RPM
Maximum Combined Rod Load	10,000 Pounds
Stroke	2 1/4 Inches
Friction Horsepower	4 HP
Frame Lubrication	Splash
Crankshaft	Ductile Iron
Connecting Rods	Forged Steel
Main Bearings	Tapered Roller
Connecting Rod Bearings	Precision Insert Trimetal
Crosshead	Aluminum
Crosshead Wrist Pin	Hardened Steel
Wrist Pin Bushing	Bronze
Frame Oil Capacity	4 Gallons

CYLINDERS

5 Inch Diameter, Double Acting	350 psig MAWP
5 Inch Diameter Piston Material	Ductile Iron
8 Inch Diameter, Double Acting	150 psig MAWP
8 Inch Diameter Piston Material	Anodized Aluminum
Piston Rod Diameter	1 1/8 Inches
Piston Rod Material	Hardened Steel
Piston Rings & Rider Band	Carbon-Filled Teflon
Rod Packing	Carbon-Filled Teflon
Cylinder Lubrication	Non-Lube
Valves	Ductile Iron with Poppets



Charts based on natural gas with a specific gravity of 0.65

