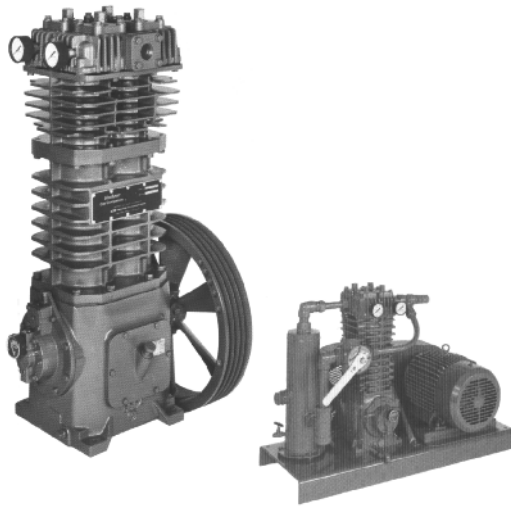


Gas Compressors



To select a compressor that best fits your application requirements, use the charts shown. The data provided is based on approximate delivery rates when handling propane or anhydrous ammonia. Actual capacities will depend upon line restrictions, size and length of piping. Horsepower requirements for both liquids transfer and vapor recover applications are based on moderate climatic conditions.

	DISCHARGE PRESSURE			
	14.7*	40.0*	100.0*	147.0*
Bore - Inches (mm)	3.0 (76.2)	4.0 (101.6)	4.625 (117.4)	4.625 ¹ (117.4)
Stroke - Inches (mm)	3.0 (76.2)	3.0 (76.2)	3.0 (76.2)	3.0 (76.2)
Piston Displacement CFM (m ³ /hr)				
@ 100 rpm	2.0 (3.4)	4.3 (7.3)	7.7 (13.1)	14.9 (25.3)
@ 875 rpm	16.5 (28.0)	35.5 (60.3)	63.5 (107.9)	123 (208)
Maximum Working Pressure - psia (kPa)	350 (2413)	350 (2413)	350 (2413)	425 (2931)
Maximum Discharge Temperature - °F (°C)	350 (177)	350 (177)	350 (177)	350 (177)
Maximum Capacity Temperature - °F (°C)	350 (177)	350 (177)	350 (177)	350 (177)

FEATURES

High efficiency valves moves gas volume. The heart of any compressors is its valve assembly and Blackmer valves are specially designed for nonlubricated gas applications. With precisely engineered clearances, spring tension, and a special finish, these valves seat more positively so more gas is moved with each piston stroke. Blackmer valves offer greater strength, quiet operation and long life.

O-Ring seals - head and cylinder. The head and cylinder are sealed with O-Rings to ensure positive sealing under all operating conditions

Pressure assisted piston rings for positive seating. Constructed of self-lubricating Teflon. Special ring design provides maximum sealing efficiency with minimal friction wear. The results: peak performance and extended compressor service life.

Heavy-duty crankshaft. The ductile iron crankshaft is precision ground with integral counterweights for smooth, quiet operations. Rifle drilling ensures positive oil distribution to the wrist pin and connecting rod bearings.

Ductile iron pistons. Heavy-duty ductile iron pistons are connected with a single positive locking nut which eliminates potential problems associated with more complex designs.

Self-adjusting piston rod seals. Crankcase oil contamination and cylinder blow-by is prevented with live-loaded fiberglass-filled Teflon seals which maintain a constant sealing pressure around the piston rods.

Ductile iron construction - All pressure parts are of ductile iron for greater resistance to both thermal and mechanical shock.

Weather resistant crossheads assembled. Designed with special machined lube channels and porting for maximum lubrication and wear resistance.

