

HD162-B

HD Series

Base Mounted Unit
driven @ 675 RPM

Gas

Nitrogen
 $n = 1.4$
MW = 28.01

Inlet

64 psig
(4.5 kg/cm²g)

Outlet

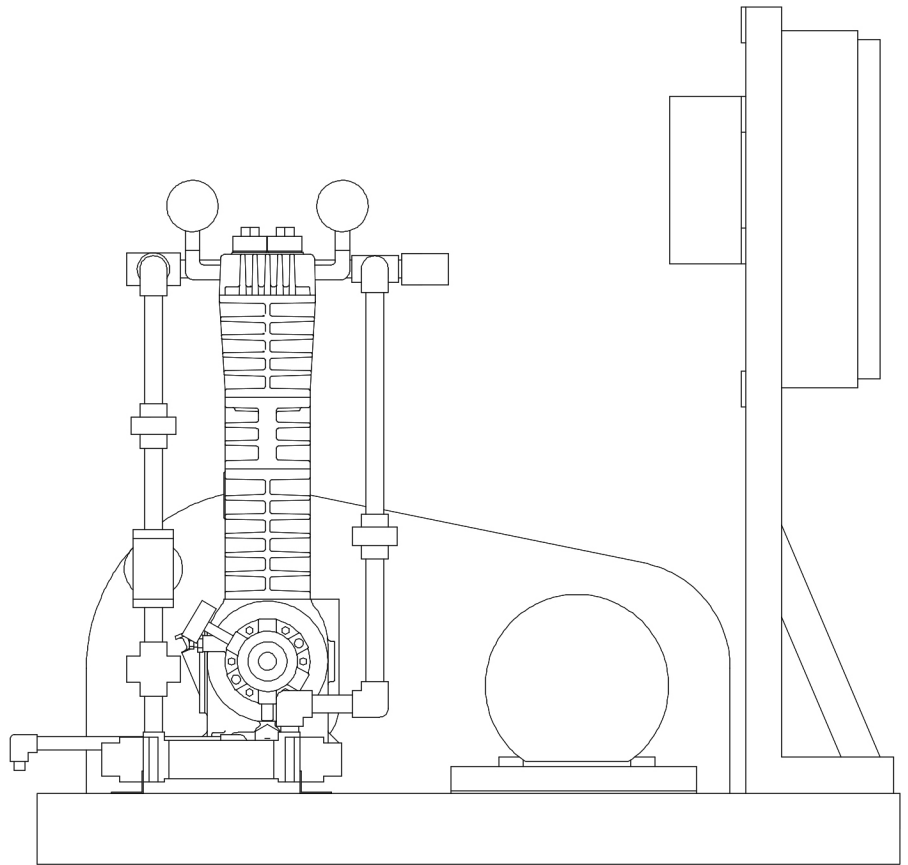
120 psig
(8.4 kg/cm²g)

Compressor Construction

Buna-N O-rings
Aluminum Gaskets

Accessories

5 HP Motor
Relief Valve
Water cooled aftercooler
Bypass system
Control panel with starter
Gauges for suction and discharge
gas pressures
Crankcase oil pressure gauge



AE90-98759-1 A

Installation Example

This nitrogen boost compressor is being used in Seoul, Korea. The control panel actuates the bypass system on rising discharge pressure and starts a countdown timer. If the discharge pressure falls a sufficient amount before the timer times out, the bypass valve is closed and the compressor resumes normal operation. Otherwise, the compressor motor shuts down and will not restart until the discharge pressure falls. Upon restart, the bypass system is actuated for 10 seconds to provide loadless starting. As this unit is being used in a clean system, it was specially cleaned prior to shipment to eliminate all machining oil in the cylinder area. To protect the bare metal in the cleaned cylinder it was shipped with a nitrogen purge to prevent ambient air entry.