

HD362

HD Series

Package Unit driven @
695 RPM

Gas

Natural Gas
n = 1.27 approx.
sg = 0.65 approx.

Inlet

3 psig
(0.21 kg/cm²)
Ambient Temperature

Outlet

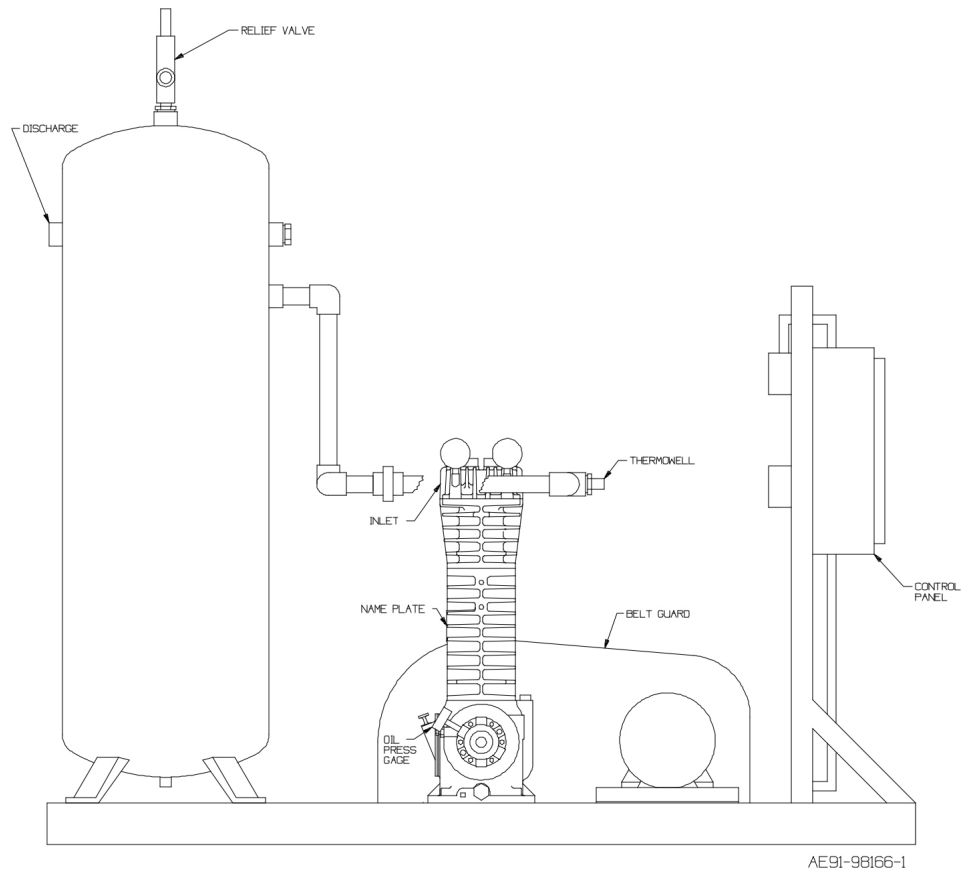
60 - 90 psig
(4.2 – 6.3 kg/cm²)

Compressor Construction

Buna-N O-rings
Aluminum Gaskets

Accessories

Suction valve unloaders with 3-way control solenoid valve
Pressure gauges
High discharge pressure switch
Low oil pressure switch
High discharge temperature switch with Thermowell
80 gal. - 150 psig Receiver
Control Panel with shutdown functions and lights
7 ½ HP motor
All electrical devices are NEMA 7, explosion proof



Installation Example

A major company in Schenectady, N.Y. is using these two HD362s to boost 24 scfm (38.6 Nm³/hr) of natural gas from 3 psig to 75-90 psig to feed a burner. The discharge pressure switch controls the suction valve unloaders via the control panel and the 3-way solenoid valve. At 90 psig, the pressure switch signals the solenoid valve to actuate the suction valve unloaders and start a 5 minute countdown timer. If the pressure falls to 75 psig within 5 minutes, the solenoid valve is de-energized and the unit resumes normal operation. If 5 minutes pass without the pressure falling to 75 psig, the compressor is shutdown; when the pressure finally does fall to 75 psig, the compressor is restarted with the suction valves unloaded for 10 seconds.