

COMPRESSOR SOLUTIONS

HD362 Package Unit
driven @ 695 RPM

Gas:

Natural Gas

$n = 1.27$ approx.

$sg = 0.65$ approx.

Inlet:

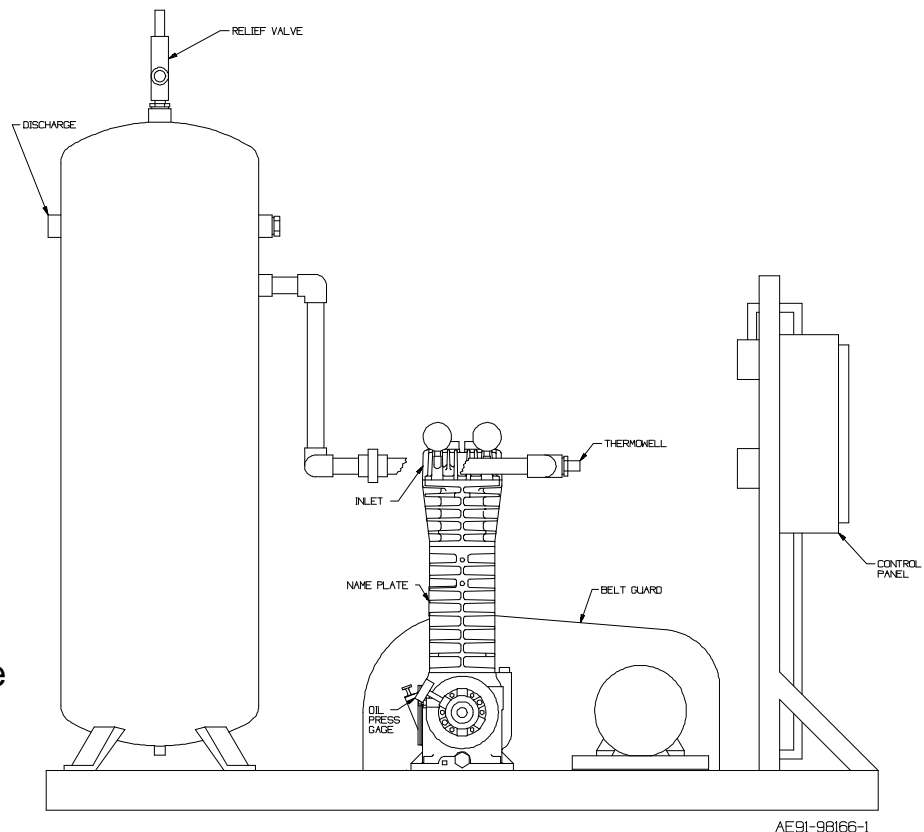
3 psig (0.21 kg/cm²)

Ambient Temperature

Outlet:

60 - 90 psig

(4.2 - 6.3 kg/cm²)



Compressor Trim: Buna-N O-rings and 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, and 7½ HP motor. All electrical devices are NEMA 7, explosion proof.

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.