

HD162-TC

HD Series

Compressor for Anhydrous Ammonia driven @ 720 RPM

Gas

Anhydrous Ammonia (NG³)
 $n = 1.31$
 $MW = 17.03$

Inlet

39 - 247 psia
 (2.74 – 17.4 kg/cm²a)
 10 - 110°F (-12 - 43°C)

Outlet

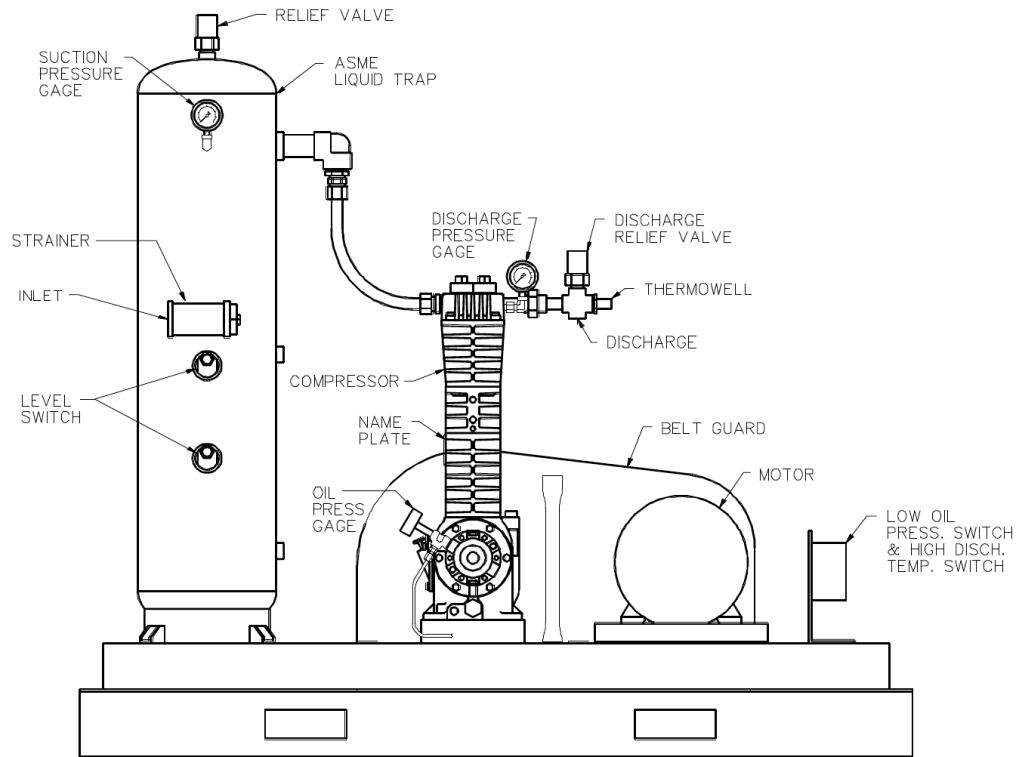
49 - 265 psia
 (3.44 – 18.6 kg/cm²a)

Compressor Construction

TNT-12 PTFE/Nickel Treated Valves,
 Cylinder & Head
 Buna-N O-rings
 Ductile Iron Head and Cylinder

Accessories

ASME Code Liquid Trap
 7.5 HP EXP Motor
 Low Oil Pressure Switch
 Two Liquid Level Switches
 Suction Strainer
 Temperature Switch, N7
 Epoxy Paint
 Relief Valves
 Structural Steel Skid



980058A

Installation Example

This compressor is being used in Virginia to transfer Anhydrous Ammonia from rail cars to storage tanks at about 75 gpm (280 lpm). The HD162 features two seals on each piston rod separated by a distance piece to minimize leakage and product contamination. The liquid trap has two float switches to provide a shutdown signal if too much liquid accumulates in the trap. The structural steel skid allows the compressor to be easily moved from site to site.