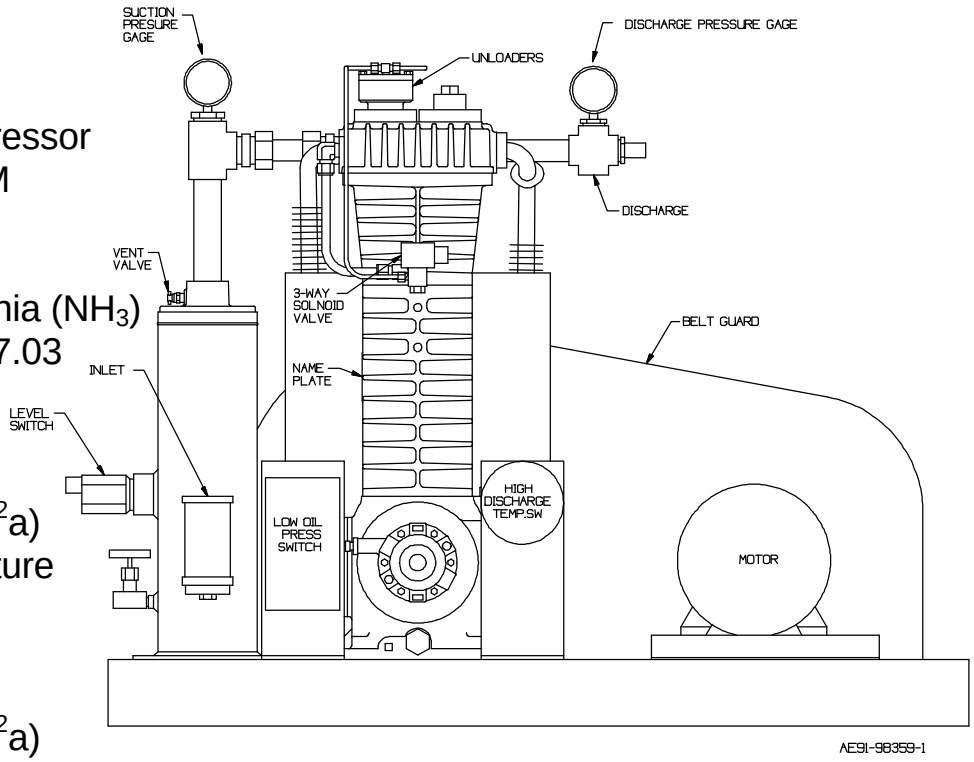
COMPRESSOR SOLUTIONS

HD372-TU
Evacuation Compressor
driven @ 450 RPM

Gas:
Anhydrous Ammonia (NH_3)
n = 1.31 MW = 17.03

Inlet:
5 - 82 psia
(0.35 - 5.76 kg/cm^{2}a)
Ambient Temperature

Outlet:
162 - 252 psia
(11.4 - 17.7 kg/cm^{2}a)



Compressor Trim: Buna-N O-rings, Iron Gaskets, standard Steel Intercooler

Accessories: 10 HP TEFC Motor, Liquid Trap with Float Switch, Suction Strainer, High Discharge Temperature Switch with Thermowell, Low Oil Pressure switch, Pressure Gauges for suction and discharge gas pressures and crankcase oil pressure. Electrical devices are NEMA 4 or 7. The packing is installed for vacuum suction conditions.

This HD372 is being used in Colorado to prevent the escape of NH_3 to the atmosphere when disconnecting cylinders after filling. Before the hose to a cylinder is disconnected, a valve is opened, connecting it to the compressor's suction. The compressor then recovers the liquid and vapor NH_3 in the hose back into the storage. As the vapor pressure of anhydrous ammonia can exceed the suction pressure limit of the HD372A, a regulator is placed in the suction line to limit the maximum suction pressure.