

## HD372-TU

### HD Series

Evacuation Compressor  
driven @ 450 RPM

### Gas

Sulfur Dioxide (SO<sub>2</sub>)  
n = 1.29  
MW = 64.1

### Inlet

5 – 32 psia  
(0.35 – 2.26 kg/cm<sup>2</sup>a)  
Ambient Temperature

### Outlet

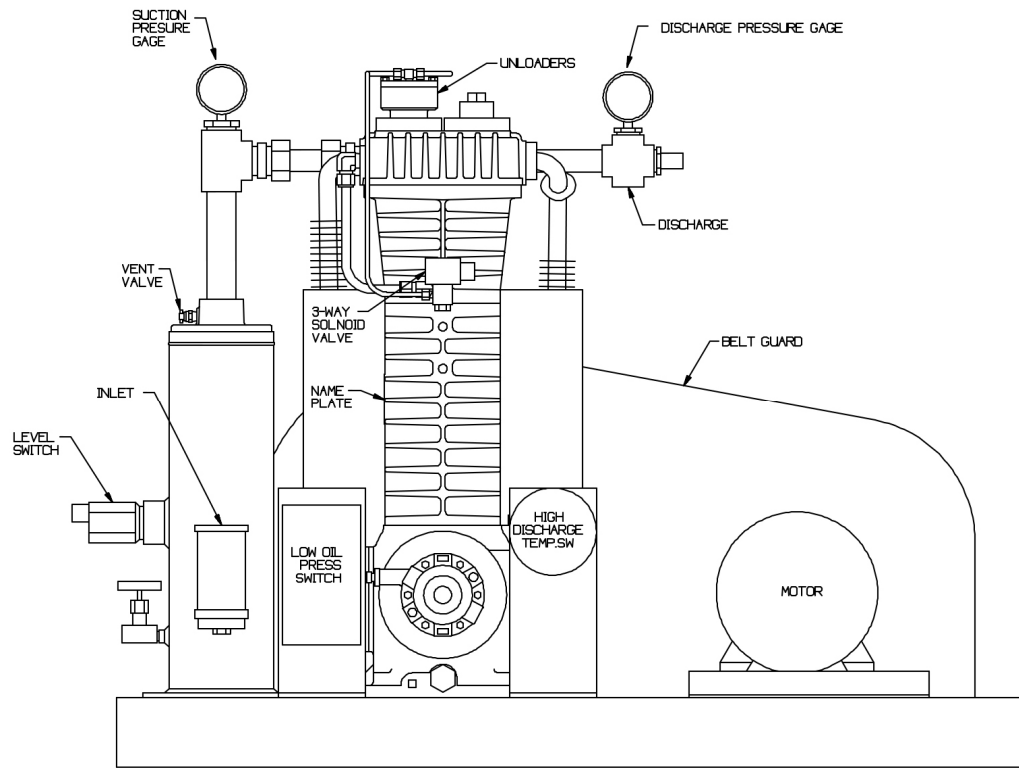
82 psia  
(5.8 kg/cm<sup>2</sup>a)

### Compressor Construction

PTFE O-rings  
Iron Gaskets  
TNT-12 PTFE/Nickel Corrosion  
Resistant Treatment  
Nickel plated intercooler

### Accessories

5 HP TEFC Motor  
Liquid Trap with Float Switch  
Suction strainer  
High Discharge Temperature Switch  
with Thermowell  
Low Oil Pressure switch  
Suction Valve Unloaders with 3-way  
Control Valve and 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



AESI-98359-1

### Installation Example

This HD372 gas compressor is being used in Colorado to prevent the escape of Sulfur Dioxide (SO<sub>2</sub>) to the atmosphere. After a liquid pump has filled SO<sub>2</sub> cylinders, the valve on the cylinder and a valve between the cylinder and the pump are closed. The compressor then recovers the SO<sub>2</sub> remaining in the hose between the two valves back into the storage tank. The suction valve unloading system is controlled by a low suction pressure switch which allows the compressor to run continuously as cylinders are connected and disconnected from the system.