HDL613-TC

HD Series
Hydrocarbon Recovery
Compressor driven @ 405 RPM

Gas

Hydrocarbon Mix
n = 1.10
MW = 56.9

Inlet

18.5 psia
(1.3 kg/cm^{2}a)
158˚F (70˚C)

Outlet

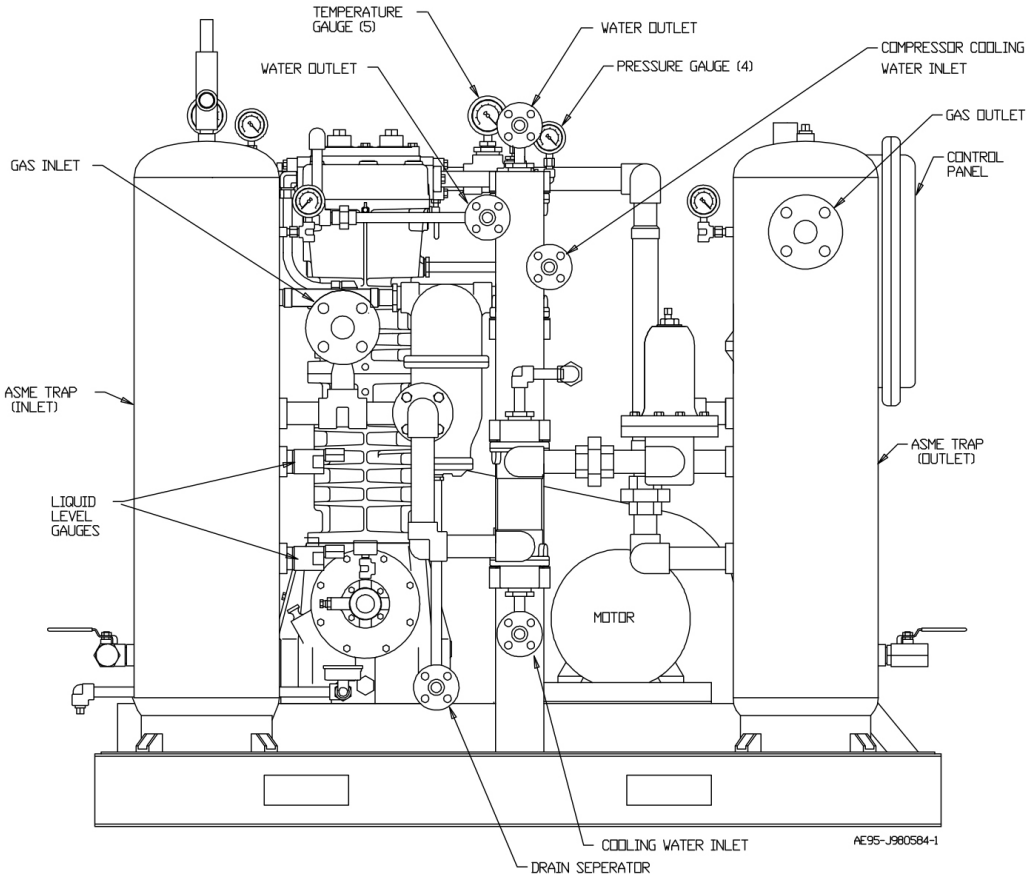
142 psia
(10.0 kg/cm^{2}a)

Compressor Construction

Aluminum Beltguard
TNT-12 Treatment
FKM O-rings
Stainless Steel Coolers

Accessories

Flanged Connections
Structural Steel Skid
Temperature Switches
Inlet Liquid Trap
Pulsation Dampener
Low Oil Pressure Switch
Suction Strainer
Liquid Level Switches
Back Pressure Valve
Control Pressure Switches
Temperature Gauges
Check Valve
Explosion Proof Motor
Starter / Control Panel



Installation Example

This HDL613 is being used to recover a mix of Isobutane, Hexene, Ethylene, Hexane and Hydrogen in a Korean petrochemical plant. A strainer and liquid trap complete with level switches prevent entry of solids or liquids into the compressor. The stainless steel intercooler and liquid separator provide similar protection for the compressor's second stage. Discharge pulsation dampening is provided by a second ASME code vessel. Capacity control is accomplished via a by-pass system with back pressure control valve and a second stainless steel cooler. An explosion proof control panel features indicator lights for the pressure, temperature, and liquid level switches to monitor every aspect of the compressor's operation. Visual monitoring devices include temperature and pressure gauges.