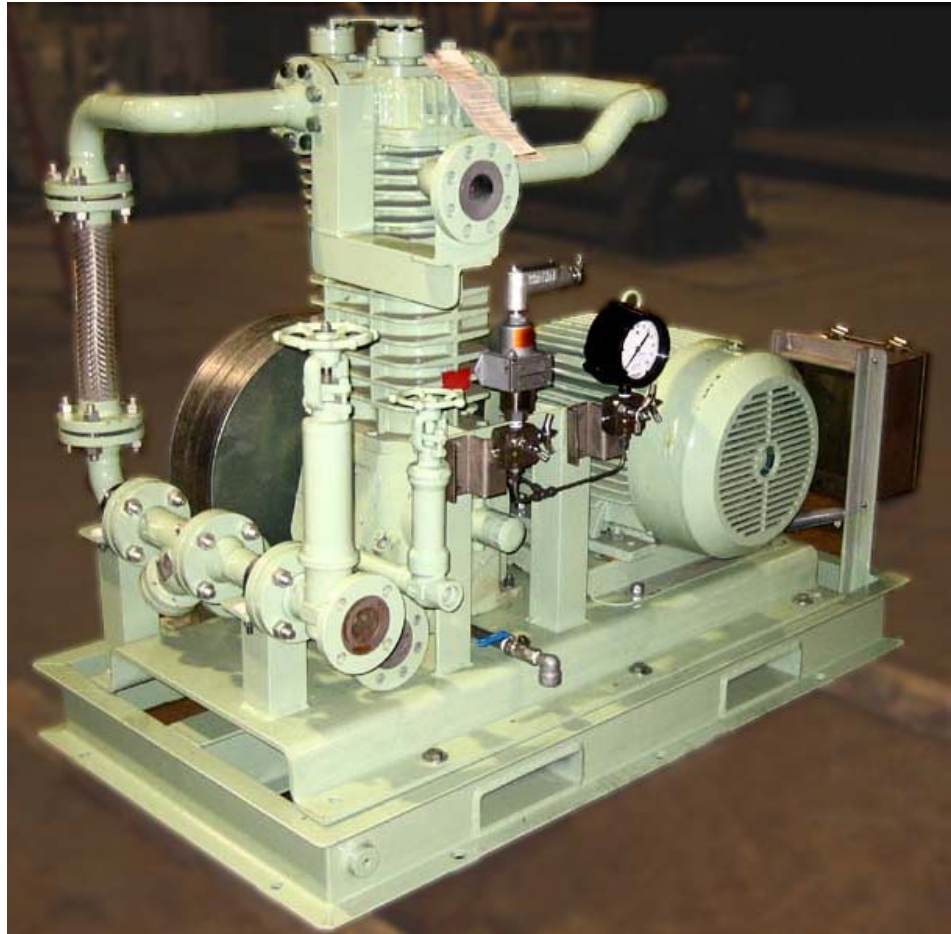


COMPRESSOR SOLUTIONS

HD602B-CO

Compressor for Methane boosting driven @ 650 RPM



Gas:

Methane Mix
n = 1.27, MW = 19.13

Inlet:

90 psig (6.32 kg/cm² g)
80°F (27°C)

Outlet:

300 psig (21.09 kg/cm²)
167scfm (230 Kg/Hr.)

COMPRESSOR CONSTRUCTION

Suction Valve Unloaders
Peek Valve Plates

Buna-N O-rings

Ductile Iron Flanged Head
Ductile Iron Cylinder

ACCESSORIES

Suction Pre-Filter
Low Oil Pressure Switch
Temperature Switch

30 HP EXPF Motor
Suction & Discharge
Pressure Switches

Discharge PSV
Welded ANSI Flanged Piping
DCS controls

This HD602B is being used in a Southern California Oil Refinery to boost a Methane gas stream. The gas is used in an Intelligent Filtration System (IFS) that removes particulate matter out of a major H₂S Scrubbing system at the refinery. High pressure liquid is used to remove built up particles on the outside of the filter elements in a “reverse flow process”. The compressor stores high pressure fuel gas in a accumulator vessel until it is needed for a back flush cycle.

Existing gas pressure was not sufficient for the process, so the Blackmer HD compressor was used to provide the boosted gas pressure. The gas compressor package was designed and built by Blackmer Distributor Bott Equipment Co. in Houston TX.