

## HD602B-CO

**Compressor for  
Methane boosting  
driven @ 650 RPM**

### Gas

Methane Mix  
n = 1.27  
MW = 19.13

### Inlet

90 psig  
(6.32 kg/cm<sup>2</sup> g)  
80° F (27° C)

### Outlet

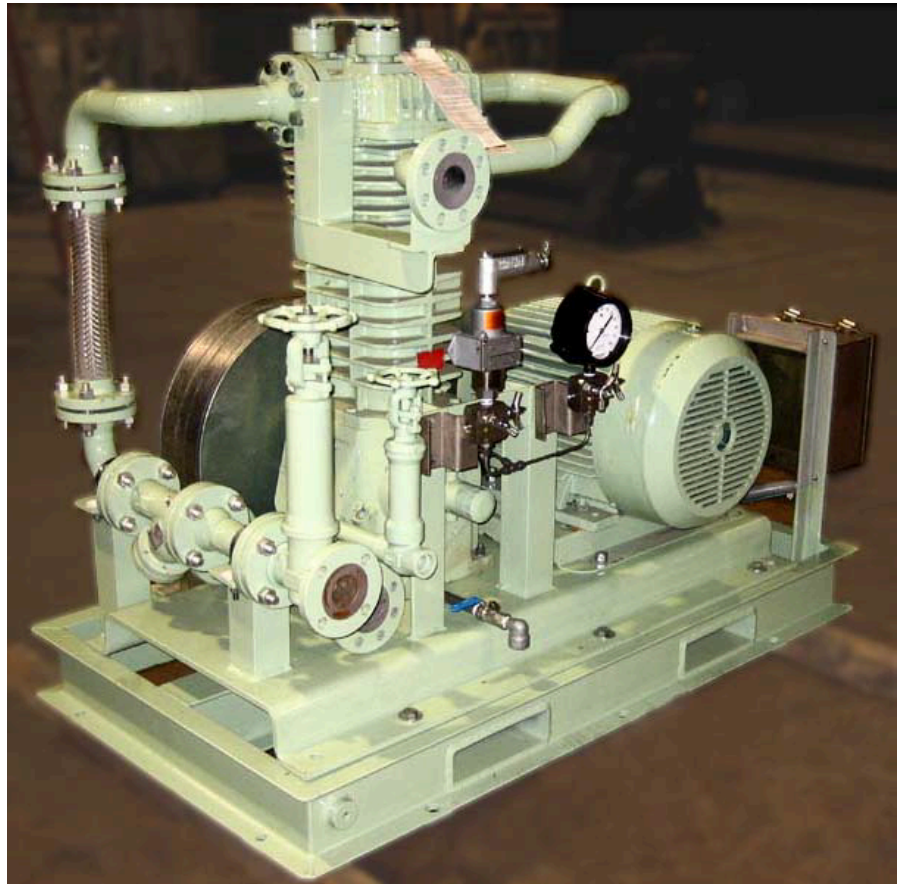
300 psig (21.09 kg/cm<sup>2</sup>)  
167scfm (230 Kg/Hr.)

### 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



### Installation Example

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 H<sub>2</sub>S 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 an 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.