

DIDWANIA COMPRESSORS

*Experts in oil-free
Gas Compressors*

- ★ Diaphragm Compressors
- ★ Oxygen Compressors
- ★ Hydrogen Compressors
- ★ CNG Compressors



INDIAN COMPRESSORS LTD.

www.didwania.com

Ver: 06/22



Scan me

★ Latest design , Engineered in Italy ★



B30-30



B50-30

B100-30

- ★ Dual Application
 - Variable Daughter Booster
 - Online Mother Station
- ★ Lowest maintenance costs
- ★ Silent vibration free operation
- ★ Water cooled design - very cool gas at outlet
- ★ Highest machine uptime
- ★ Suitable for 24x7 continuous duty
- ★ Low speed compressor
6-20 Strokes/min

- ★ Complete package inside canopy
- ★ Cascade mounting arrangement on top
- ★ Flameproof control panel
- ★ Plug & Play package
- ★ Quick installation at site
- ★ PESO approved
- ★ CE, ATEX Certified

Compressor Data :

- ★ Min Suction Pr : 20 bar
- ★ Max Discharge Pr : 275 bar
- ★ Flow Rate (variable) : 500 to 3500 SCMH
- ★ Average Flow rate : 1200 SCMH
- ★ Electric Motor : 22, 37, 45, 75 kw



★ Latest design , Engineered in Italy ★

Indian Compressors Ltd.
25 years Excellence in CNG

- ✓ Pan-India network of 500 service technicians
- ✓ Local support , also in the most remote locations
- ✓ Spare parts always in stock
- ✓ Ultra - Modern manufacturing facility
- ✓ Highest quality control & testing standards



Didwania-Diaphragm Series Gas Compressors are built with proven technology.

Suitable for almost all gases, Didwania-Diaphragm Compressors are rugged and reliable for your demanding process applications.

- ✓ Zero Gas contamination
- ✓ Leak tight
- ✓ Low noise & vibration
- ✓ Triple diaphragm technology



★ Diaphragm Compressor Technology ★

★ Works on all gasses ★

Hydrogen	Helium
Argon	SF ₆
Oxygen	Nitrogen
N ₂ O	Silane
Special gases & Mixtures	



Technical Features

- ✓ Up to 1000 bar pressure
- ✓ Water or Air cooled
- ✓ Stainless steel gas contact parts
- ✓ Skid mounted compressor package
- ✓ Conforms to CE/ATEX/PED



★ Diaphragm Compressor Technology ★

Compressor Data

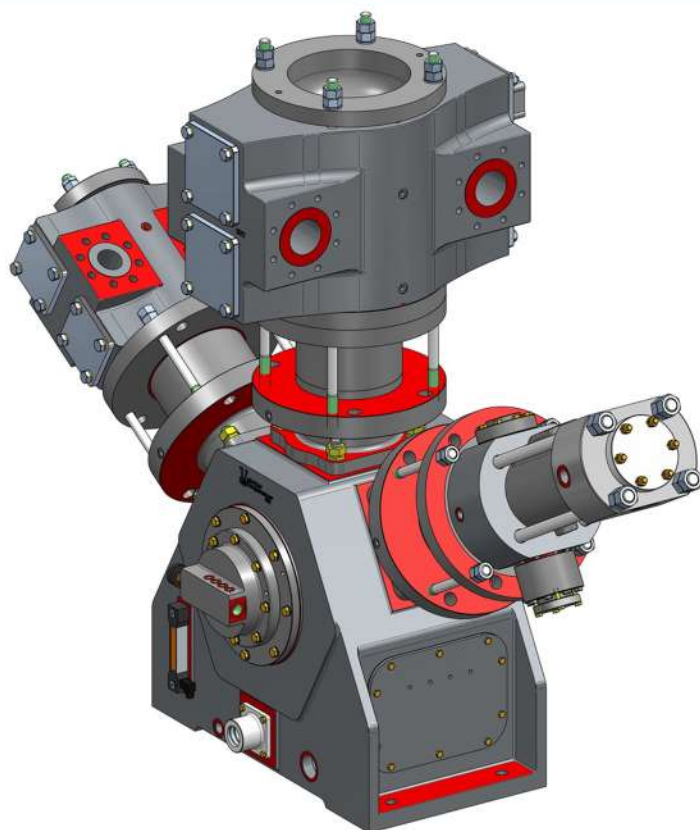
- ★ Lowest Suction : 0 bar Pressure
- ★ Max Discharge : 1000 bar Pressure
- ★ Max Flow Rate : 500 Nm³/h



The VC-Hexagon is the latest design compressor series from the ICL group. This compressor was designed in Italy by Ventos Compressors.

The compressor enables safe, efficient compression of flammable gases like Hydrogen, CNG & Biogas.

- ✓ Leak tight compression
- ✓ Lowest power consumption (kWh/m³)
- ✓ Direct coupled design
- ✓ Distance piece, Oil-free design available



★ Designed in Italy ★

Key Applications:

- ✓ CNG Stations
- ✓ Biogas - Low & High Pressure
- ✓ Hydrogen : for Fuel Cell grade purity gas
- ✓ Helium Cylinder Filling
- ✓ Process Nitrogen
- ✓ Gas mixtures & Speciality gases : Ethylene, HCl, CO₂



Technical Features

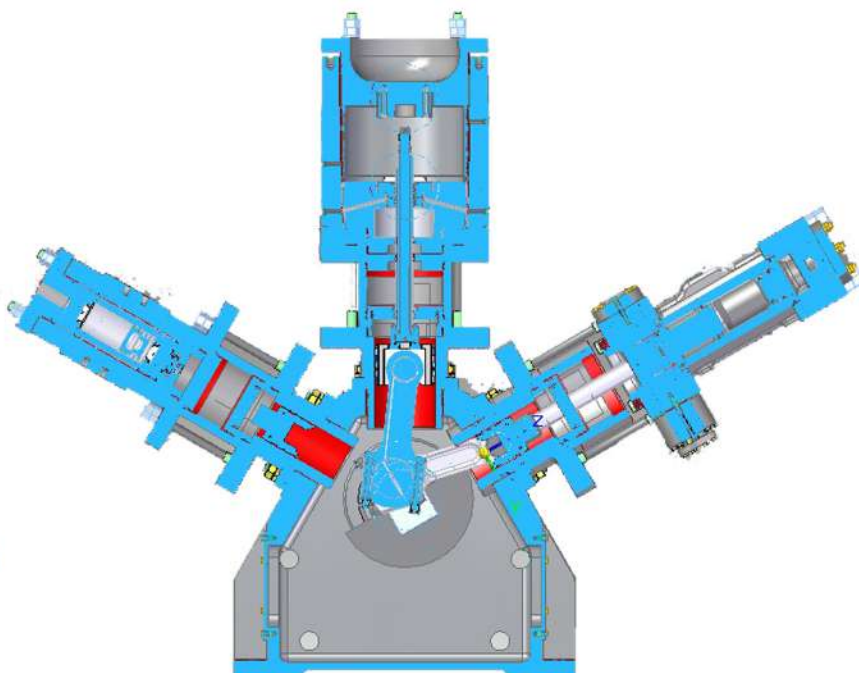
- ✓ Up to 300 bar pressure
- ✓ Water-cooled compressor
- ✓ Mini-lubricated or oil free compression cylinders
- ✓ Skid mounted package
- ✓ Vibration free design



★ Designed in Italy ★

Compressor Data

- ★ Lowest Suction : 0 bar Pressure
- ★ Max Discharge : 300 bar Pressure
- ★ Max Flow Rate : 4000 Nm³/h
- ★ Max. Power : 350 kw



Didwania Wurzen Series Gas Compressors are built with proven German technology.

Suitable for almost all gases, Didwania-Wurzen Compressors are rugged and reliable for your demanding process applications.

- ✓ Oil-free Design
- ✓ Continuous operation
- ✓ Proven Design
- ✓ Low Energy consumption



★ Non - Lubricated Compressors ★

★ Works on all gasses ★

Oxygen	CO ₂
Argon	N ₂ O
Nitrogen	Helium
Hydrogen	Biogas
PET Bottle Blowing	





★ Stainless steel gas contact parts ★

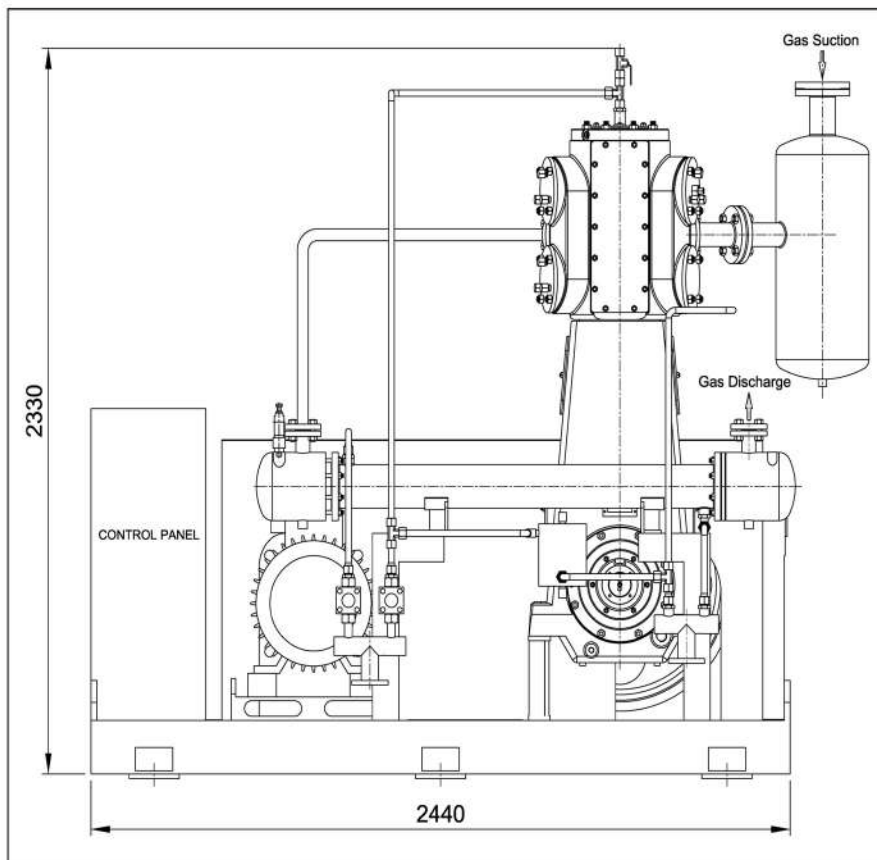
Advantages

- ✓ Leak tight - No gas loss
- ✓ Gas purity is not changed
- ✓ No compressed air required
- ✓ Electric motor driven
- ✓ Pressure up to 450 bar



Technical Features

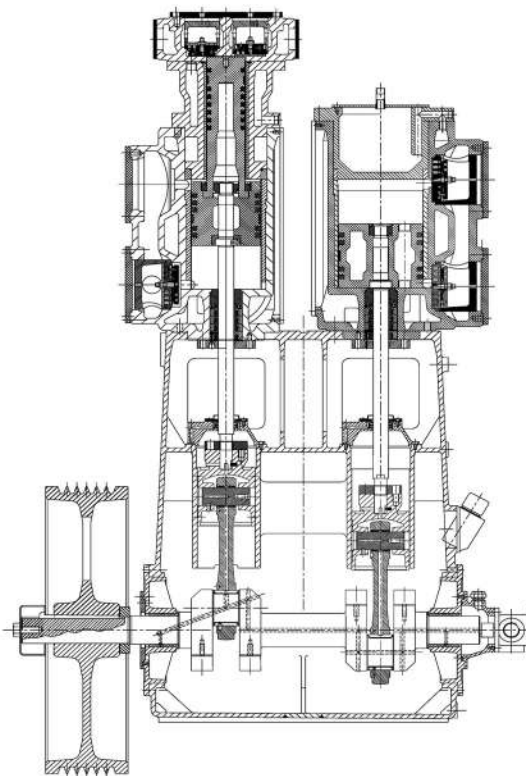
- ✓ Up to 40 bar pressure
- ✓ Water cooled compressors
- ✓ Low vibration & noise
- ✓ Skid mounted compressor package
- ✓ Design compliant to AIGA standard for Oxygen safety



★ Non - Lubricated Compressors ★

Compressor Data

- ★ Lowest Suction : 0 bar Pressure
- ★ Max Discharge : 40 bar Pressure
- ★ Max Flow Rate : 800 Nm³/h



An ideal product for:

- PSA Plant Manufacturers
- Hospitals
- Industries
- Laboratories



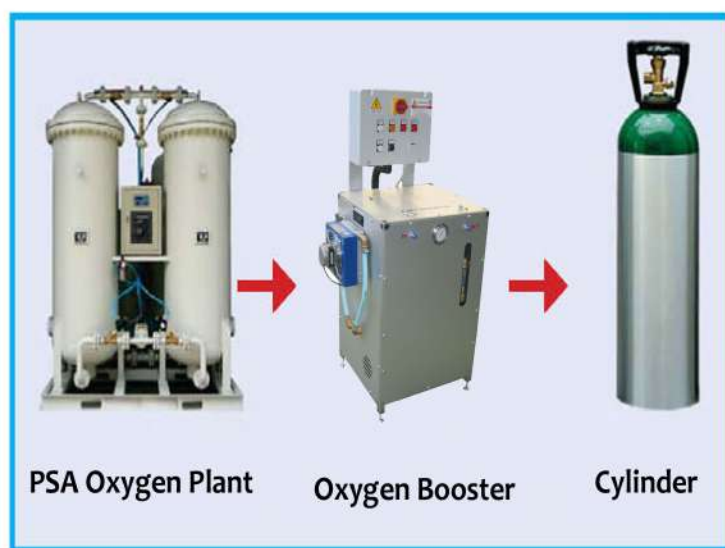
★ Filling Oxygen from PSA Plants into cylinders ★

Advantages

- ✓ Designed for medical use
- ✓ Electric motor driven
- ✓ Air cooled
- ✓ Extra long life of piston rings

Technical Features

- ✓ Pressure up to 250 bar
- ✓ 50/60 Hz motor options
- ✓ Oxygen safety - degreasing as per industry standards



www.Didwania.com

Email: sales@Didwania.com

