

OIL FREE **RECIPROCATING** AIR COMPRESSORS

Best In Class Solutions For Pet Industry



www.colt-group.com





ABOUT OUR COMPANY

As a leading supplier in Compressor Industry for more than 35 years, Colt Equipments (P) Ltd, and its associated Group Companies Manufacture & Service Compressors in Industrial And Refrigeration Applications. Our compressors are suitable for various industries including Auto Ancillaries, Pet Bottling, General Industry, Sugar Mills, Chemical Plants, Steel Plants, Glass Industries, Cement Plants, Food Processing Industry, Cold Storages & Gas Generation Plants Etc.

Colt Equipments (P) Ltd. has a dedicated experienced team working to enhance efficiency and reliability of every equipment manufactured and supplied by us.

Colt Equipments have a countrywide 'Sales And Service Network' for the upkeep of every compressor it manufactures & every package it builds. Our product are being supplied to global customers in the Middle East, South East Asia And African Sub Continent. Our commitment to quality and reliability ensures customers retention and we offer the best value for money.

Colt Equipments has developed the required infrastructure to support all its manufacturing processes. We have in house Testing Lab, CNC Machining Centers, Stress Relieving arrangements, Testing Facilities And Paint Shop. With decades of experience and reliable performance of our compressors across the country, we have earned the trust of many customers. We are now one of the renowned name among the manufacturers of screw and reciprocating compressors.





OUR MILESTONES

Group Company
founded by
our Founder
Sh. P.L. Kohli

1985

1987

Our Current CMD
Sh. Dinesh Kohli joined
the business, and
started manufacturing
and trading of
reciprocating air
compressor spares.

Started Complete
solutions for
compressed air
specializing in Large
reciprocating
compressors

1992

1996

Tied up with
Hoerbiger, "world's
no. 1 Company for
compressors valves"
for compressor
division in India.

Entered into Screw
Compressor business
by association with
world renowned
players.

2001

2000

Started export of
compressor spares
to various countries,
Our quality was
appreciated by
almost all our
customers.

Established a office in
Chennai to serve the
southern part of India
more efficiently

1998

1997

With our Quality
Products and services,
gained popularity among
most of the big and
famous industrial houses
across the length and
breadth of the
country.

Started
manufacturing of
Heat Exchangers for
Compressed air and
other Applications.

2005

2010

Started manufacturing
of **Ammonia
Reciprocating
Compressors** for
Refrigeration
applications

Started
manufacturing of
**Screw Compressors
and Packaging of
Chillers** for
refrigeration
applications

2011

2014

Started
Manufacturing of
Compressors
for **Oxygen, Nitrogen
and CO₂ Plants**

2021

Increased our
factory production
area by
another 4000 sqm

Started
Manufacturing of
Screw Air
Compressors

2019

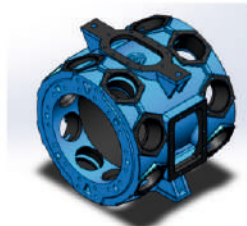
2016

Compressor for
**Pet Blowing
application** supplied
to our customer

HIGHLIGHTED FEATURES

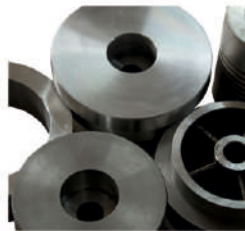
World's Most Efficient Hoerbiger Make Valves

- Large flow area
- Special spring protection
- High efficiency and long service life



Cylinders:

- Precision Bored, made of Graded cast iron



Piston:

- Made of Special high grade aluminium alloy

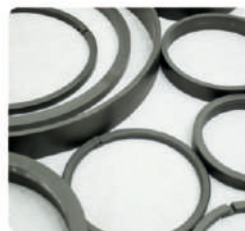


Crank Shaft:

- S.G. Iron crankshaft with large diameters for bearing rigidity with dynamically balanced flywheel for vibration free operation

Piston and Rider Rings:

- Efficient PTFE Piston rings for longer duty cycle in oil free compressors. Enhanced working life.



Piston rod and connecting rod:

- Forged and Heat treated followed by precision machining

Touch Screen TFT with PLC:

- 7 inch colour TFT
- Provision for USB data logging



CONSTRUCTIONAL FEATURES



100% Oil Free Air:

Oil content in air leads to Contamination of the compressed air system or the final Product. Compressed air from Colt Reciprocating Compressors is free from oil particles thereby Increasing the life of Line Equipments. Efficient and wear resistant packing rings isolate oil to the first compartment of the distance piece.



No Foundation Required:

Factory-tested Colt Compressors are free from high vibration levels and hence can be placed on skids. Colt Compressors are equipped with Anti Vibration Mounts which make them the first choice for raised floor installations.



Complete Packaged Solution:

Trouble free installation with Plug & Play type compressors. These are self contained packages with compressors, radiators, motor, air receiver, dryer and a programmable PLC control system.



Pre-tested for Performance:

Each assembly of every Colt Compressor undergoes careful testing in a state of the art testing Facility. Completely assembled packages are then tested on test beds at variable load settings.



Engineering Excellence:

Highly qualified dedicated engineering project teams provide the most efficient solutions for compression requirements. Regular technological improvements in our product ensure latest offerings for our clients.



because performance counts

RECIPROCATING COMPRESSOR

OIL FREE



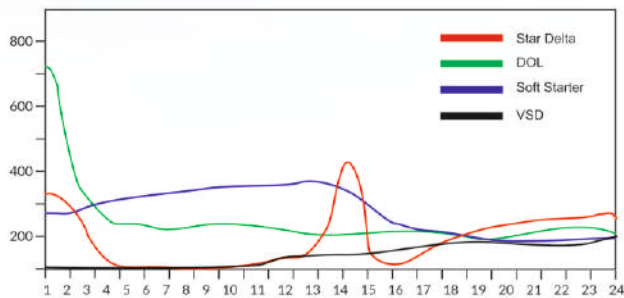
- » Available in pressures from 2 bar to 50 bar
- » Ideal for Pet Blowing, pharma, food, chemicals etc.
- » Variable sizes of compressors from $200\text{m}^3/\text{hr}$ to $1700\text{m}^3/\text{hr}$
- » Wide Operation range from 400 to 900 rpm
- » Robust design
- » Vibration free machines



because performance counts

POWER SAVINGS WITH VFD

% full load current



LOW STARTING CURRENT

VFD ensures there will be no high current peak at the startup, as current increases gradually, which eliminates the use of heavy equipments to withstand the peaks.

CONSTANT OUTLET PRESSURE

Because of the narrow pressure band, the consumption at the peaks are omitted in comparison with Star Delta controls. This reduces energy consumption and provides a stable pressure.

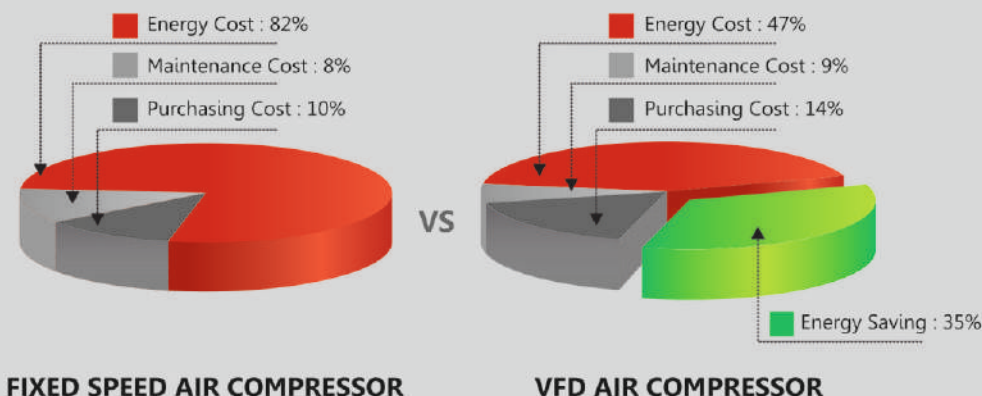
HIGH SAVINGS UNDER FLUCTUATING REQUIREMENT

During Low requirement, VFD reduces the speed of motor resulting in low energy consumption. The compressor will consume just the energy for the required air it produces.

LOW MAINTENANCE

Due to VFD, the average RPM of the compressor also reduces, which means lesser wear & tear and results into less maintenance.

COMPARISON OF FIXED SPEED AND VFD COMPRESSORS IN 5 YEARS





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RECIPROCATING AIR COMPRESSOR- OIL FREE PET BOTTLING

MODEL	NO. OF CYLINDERS	FAD			Working Pressure		Motor Power
		CFM	M ³ /MIN	L/S	kg/cm ²	PSI	KW
3HFY27N	3	120.0	3.4	56.5	42	608	37
3HFY27N+	3	160.0	4.5	75.4	42	608	45
3HF25N	3	200.0	5.6	94.2	42	608	55
3HF25N+	3	265.0	7.53	125.5	42	608	75
3HF24N	3	305.0	8.5	143.7	42	608	90
3HF23N	3	410.0	11.5	193.1	42	608	132
3HF45N	4	520.0	14.6	244.9	42	608	160
3HF43N	4	730.0	20.6	343.8	42	608	200

Notes :- * Bigger Models and Compressor at higher pressure are also available on request.
* Gas Compressors for CO₂, N₂, Argon and Other Gases also available on request.
* Models available with VFD , PLC panel.
* The Above Compressors include Compressors, PLC Panel, with VFD Panel and Intercoolers and Aftercoolers.



because performance counts

FEW OF OUR HAPPY CUSTOMERS



OTHER PRODUCT RANGE



because performance counts

Manufactured by:

COLT EQUIPMENTS (P) LTD.

Works: Khasra No. 8-23/1, 23/2

Village Nathupur - 131 029

Distt. - Sonapat (Haryana)

Mob: 7478780000, 7665766517

Email: sales@coltequipments.com

Authorized Dealer:

We reserve the right to modify the specification in accordance with improved designs. Although every effort will be made to maintain the accuracy in the data given, the figures are in no way binding. The claims are as per our knowledge for any variances, we are not bound in anyway.