# Repiet Air™
SOLUTION

WARRANTY
Screw
3 YEARS
Element
WARRANTY

**ISO 9001:2015 CERTIFIED COMPANY**



Processed by
German Kapp
Grinding Machine



## RAS Series
## 5 HP - 300 HP

## ABOUT US

Repiet Air Solution is India based company engaged in offering a comprehensive range of Air Compressors which have unmatched quality. Repiet Air is rated as one of the most reliable and reputed brands in High Pressure Air Compressors, Two Stage Air Compressors, Single Stage Air Compressors and Vacuum Pumps.

Our group believes in utilizing our technology knowhow and experience in giving high quality products to our clients by our compressor spares. We design and deliver tailor made compressors as per the customer requirements and that too at cost effective rates.

## OUR VISION

Repiet Air Solution is an Indian manufacturing company that has been producing compressors since 2015. Over the year the Company has continually evolve and is today one at the prominent compressor manufacturing company in Rotary Screw Compress & Reciprocation Compressor.

## OUR SUCCESS

Repiet Air Solution Group has achieved the success today because of implementing latest technology in its Designing and production by following the famous Repiet Model. Repiet Group has left no leaf unturned in offering high quality, durable and cost effective products over the years and hence has won the trust and satisfaction from all its clients spread nationally and across the globe


## SM-FIX SPEED IR COMPRESSOS

| HP | PRESSURE | CFM | AIR OUTLET |
|---|---|---|---|
| 7.5 HP | 7/8/10 | 35/30/26 | G 3/4” |
| 10 HP | 7/8/10 | 44/40/37 | G 3/4” |
| 15 HP | 7/8/10 | 68/64/59 | G 1” |
| 20 HP | 7/8/10 | 85/80/78 | G 1” |
| 25 HP | 7/8/10 | 116/108/100 | G 1” |
| 30 HP | 7/8/10 | 135/122/110 | G 1” |
| 40 HP | 7/8/10 | 182/174/160 | G 1*1/2” |
| 50 HP | 7/8/10 | 240/225/209 | G 1*1/2” |
| 60 HP | 7/8/10 | 275/249/240 | G 1*1/2” |
| 75 HP | 7/8/10 | 374/310/270 | G 2” |
| 100 HP | 7/8/10 | 485/418/356 | G 2” |

**INDIA’S NO. 1**
**AIR COMPRESSOR BRAND**

## SMV-VARIABLE FREQUENCY DRIVE AIR COMPRESSOR

| HP | PRESSURE | CFM | AIR OUTLET |
|---|---|---|---|
| 7.5 HP | 7/8/10 | 35/30/26 | G 3/4” |
| 10 HP | 7/8/10 | 44/40/37 | G 3/4” |
| 15 HP | 7/8/10 | 68/64/59 | G 1” |
| 20 HP | 7/8/10 | 85/80/78 | G 1” |
| 25 HP | 7/8/10 | 116/108/100 | G 1” |
| 30 HP | 7/8/10 | 135/122/110 | G 1” |
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| 60 HP | 7/8/10 | 275/249/240 | G 1*1/2” |
| 75 HP | 7/8/10 | 374/310/270 | G 2” |
| 100 HP | 7/8/10 | 485/418/356 | G 2” |

## RAS TMD -TANK MOUNTED WITH DRYER COMPRESSOR

| HP | PRESSURE | CFM | AIR OUTLET |
|---|---|---|---|
| 7.5 HP | 7/8/10 | 35/30/26 | G 3/4” |
| 10 HP | 7/8/10 | 44/40/37 | G 3/4” |
| 15 HP | 7/8/10 | 68/64/59 | G 1” |
| 20 HP | 7/8/10 | 85/80/78 | G 1” |



## HIGH PRESSURE

| HP | PRESSURE | CFM | AIR OUTLET |
|---|---|---|---|
| 15 HP | 7/8/10 | 68/64/59 | G 1” |
| 20 HP | 7/8/10 | 85/80/78 | G 1” |
| 25 HP | 7/8/10 | 116/108/100 | G 1” |
| 30 HP | 7/8/10 | 135/122/110 | G 1” |

## RAS-TWO STAGE COMPRESSOR

| HP | PRESSURE | CFM | AIR OUTLET |
|---|---|---|---|
| 30 HP | 7.2/10 | 146/128 | G 1” |
| 50 HP | 7.2/10 | 272/243 | G1*1/2” |
| 60 HP | 7.2/10 | 371/314 | G1*1/2” |
| 75 HP | 7.2/10 | 455/390 | G 2” |
| 100 HP | 7.2/10 | 602/495 | G 2” |
| 120 HP | 7.2/10 | 710/621 | G 2” |
| 150 HP | 7.2/10 | 840/721 | G 2” |
| 175 HP | 7.2/10 | 993/871 | G2” |
| 215 HP | 7.2/10 | 1179/1078 | G 2” |

# Energy Saving-The CONSERVE Way

In-Built RAS COMPRESSOR Variable Frequency Drives (VFD)

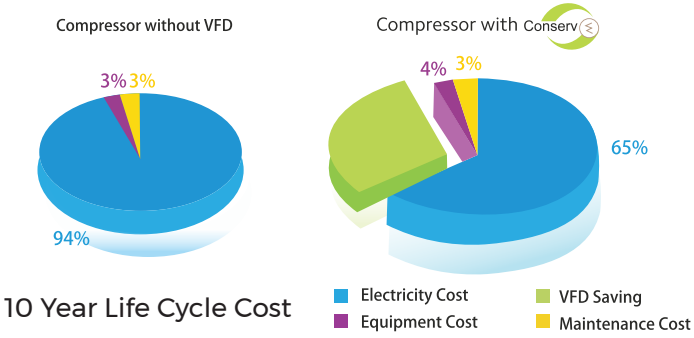
Matches compressor output with demand by varying motor speed. The power consumption reduces in line with the reduction in demand. Helps in eliminating the frequent load-unload cycle & also the wasted power from the energy bill.

A fixed speed compressor operates on a load unload band of at least 10 psi around the working pressure whereas with RAS COMPRESSOR VFD, compressor can be operated within a band of 2 psi.

Since the compressor is not operated under higher than working pressure requirements, there is substantial energy saving. For every 2 psi reduction in operating pressure. there is 1% power saving.

In a fixed speed compressor with Star-Delta starter, starting current is as high as three times the full load current (FLC). With RAS COMPRESSOR VFD, starting current is less than FLC. This helps to avoid using heavy rated components like fuses, MCCB, cable size, generator rating, isolate etc.

For compressed air systems with fluctuating demand pattern, giving a fast return on investment.

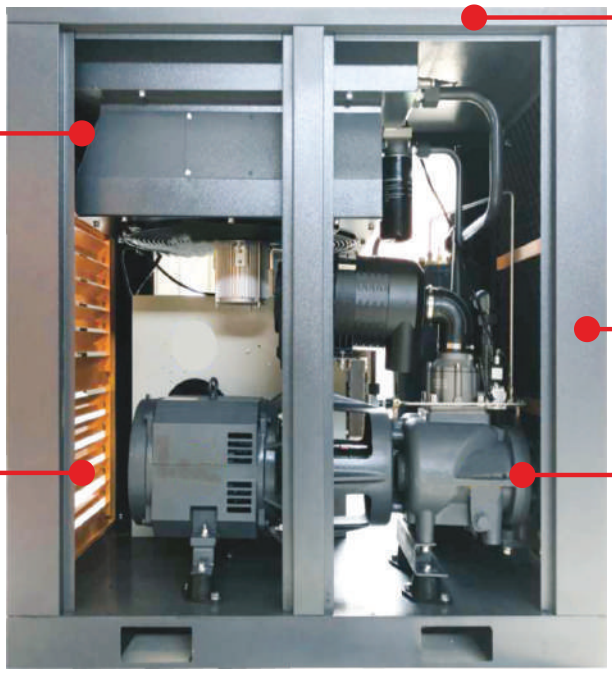



10 Year Life Cycle Cost

## ADVANTAGES:

**Electrical:** Low starting current Hight efficiency Improved Power factor Reduced maximum demand.

**Mechanical :** Minimum maintenance Smooth start Smooth control



**Robust Cooling System**
Reduced air outlet temperature

**Highly Efficient Motor**
Energy cost savings

**High Volumetric Efficiency**
Low energy cost per cfm

**Enclosure Designed to Industrial Standards**
Silent, aesthetic package

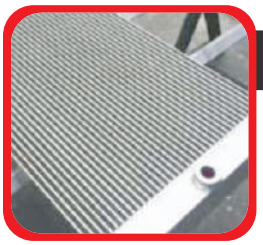
**Superior Technology Airend**
Gearless and reduced sound

## HIGHT EFFICIENT AIR END

The air end adopt the latest asymmetric line & 5.6 profile rotor, the up grade of the seal technology from line type to band type, Which increase the air production around 5%-10%. Big rotor diameter & low rotation speed make sure air end has long life-span & low noise.

## INTAKE VALUE WITH ENERGY SAVING

Intake valve with high quality & high reliability effectively control the loading & unloading of machine, saving energy.

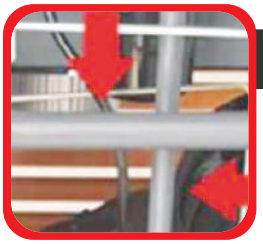


## EFFICIENT RADIATOR

Large size cooler design, putting 30% of margin design, can effectively the machine used in high temperature condition without from of carbon by high temperature.

## QUITE OPERATION

High, efficiency cooling fan provides sound level low.



## SEAMLESS STEEL PIPE

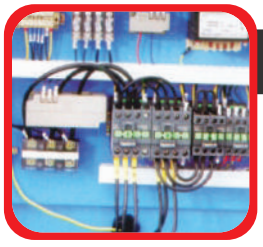
Whole Seamless steel pipeline system, reduce the oil leakage. with reasonable layout to save space & reduce pressure loss.

## AIR-OILSEPARATE

Use Germany technology, cyclone & string separator, to ensure the oil content is less than 2 ppm.

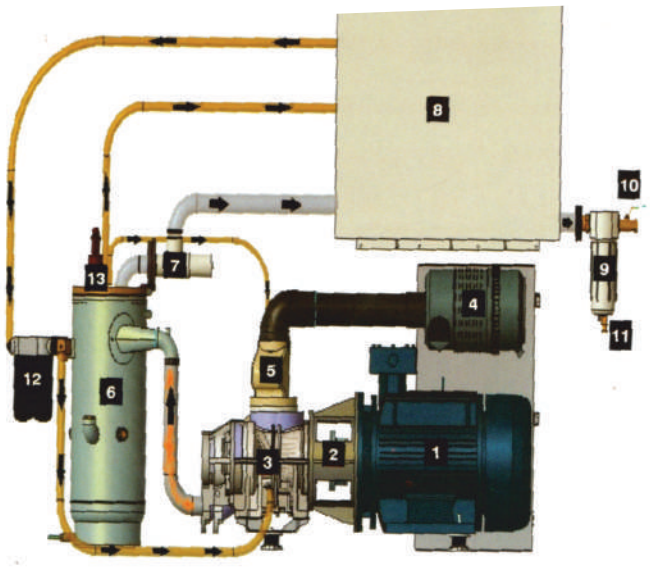

## AUTOMATIC CONTROL PANEL

Intelligent micro-computer PLC, with the signals for pressure, temperature, current, provide with an important indicator of alarms & security protection measures.



## ELECTRIC CONTROL

Siemens core of a reliable electrical control components to ensure the long-term stable operation of units.




## AIR / OIL FLOW DIAGRAM

- ☑ Electric Motor
- ☑ Drive Coupling
- ☑ Air - End
- ☑ Intake Air Filter
- ☑ Intake Air Control Value
- ☑ Air-Oil Separator
- ☑ Minium Pressure Valve
- ☑ Combi - cooler with Motor
- ☑ Moisture Separator
- ☑ Outlet Valve
- ☑ Autodrain
- ☑ Oil Filter
- ☑ PSV

## AIR DRYER

**Capacity:**

**20cfm - 300cfm**

**Working Pressure:**

**7kg - 12 kg**


## RECEIVERS

**Capacity:**

**0.5m3 - 5m3**

**Working Pressure:**

**7-10.5 kg/Cm2**

## AFTER SALES AND SUPPORT SERVIES

As good and Efficient are our products, equally excellent are our spare parts along with our maintenance services that we offer through our offices and dealer network. Our dealer network and team of technicians are well equipped to handle all after-sales and support requirements for our product across India. We recommend using original spare parts for the compressors. The spares are generally supplied in pre-packaged kits for all items of a particular type of model and maintenance operation.


### Make the Correct Choice!

- ★ Genuine Spares and Service
- ★ Complies with Asian Standards
- ★ Ensures high Performance of Compressor
- ★ Minimal Service requirements
- ★ Service and Spares delivered with the lowest lead time
- ★ In House Customer training Facility
- ★ Dedicated Customer care center for Quick response

# Vision & Mission

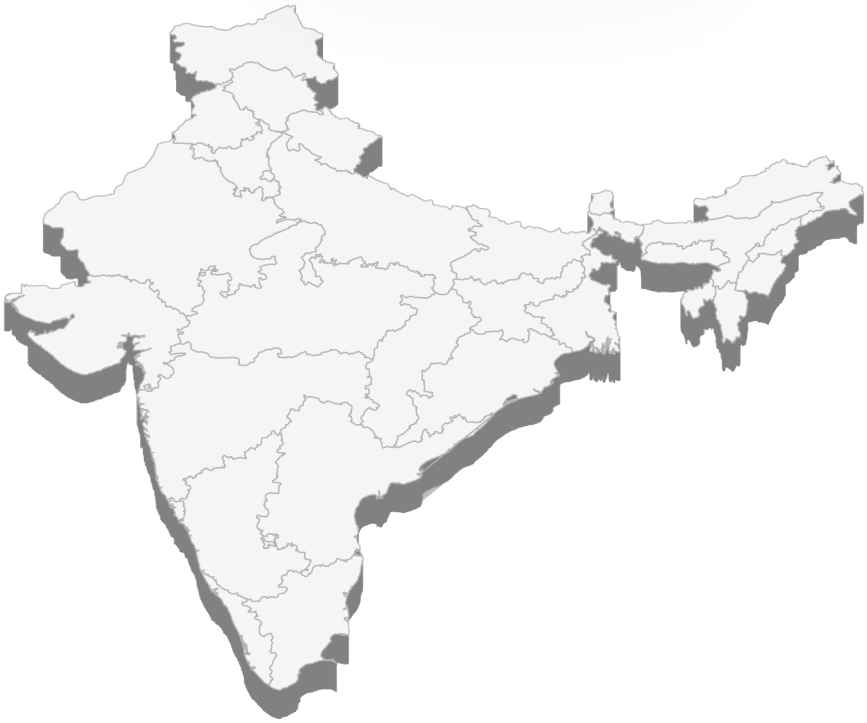
Company is Continuously working on Compressed air technology beyond innovation by giving

- ☑ More Power Saving
- ☑ Intelligence Compressor Controller
- ☑ Smart Synchronizing System
- ☑ Zero Break Downs
- ☑ Local and remote operated System
- ☑ One Touch/Call Service System

## After Marketing Support

At REPIET, we believe in an extended relationship with our customers far beyond the sale of the product. we support the product and its main- tenance throughout its life. Our well spread Dealer's & OEM's network supports the maintenance of our products.
Training is provided at the client site location after commissioning of our compressor system. As per the agreement with clients, Our customer Training Center conducts seminars and service workshops for the client representatives at our Head Office.

## ALL INDIA SUPPLY



## INSTALLATION GUIDE



**Corporate Office Add :**
316/ 3rd Floor, Kalp Bussiness Park,
Near Kathwada Ring Road,
Ahmedabad, Gujarat-382415.

+91 90168 12816
info@repietcompressor.com
www.repietcompressor.com

**Factory Add :**
95/1 Karunasagar Estate,
Near Anil Starch Mill,
Naroda, Ahemedabad,
Gujarat-382345.

**Godown Add :-**
Phase 1 Near Ringroad,
Vatva Gidc,
Ahmedabad, Gujarat-382420.