



croZair

PRODUCT CATALOUGE

ARYA SERIES' DRY SCROLL VACUUM PUMPS & SYSTEMS



SURBHI VARGHESE K.

croZair TECHNICEA

1014, B Wing, Kanakiya Wall Street, Andheri (E),
Mumbai, Maharashtra, India 400093
Mail: surbhi@crozair.com | www.crozair.com
Mob.: +91 93727 08867

believe

HISTORY OF DRY SCROLL VACUUM PUMPS

In 1905 a French Engineer Leon Creux First patented as Steam Expander, he invented it as a rotary steam engine, but the metal casting & mechanizing technology of the period was not sufficiently advanced to construct a working prototype . Since it demands very tight tolerances to function effectively, the first practical scroll came in to existence when higher precision machine tools permitted their construction. Since 1970 widely used in air conditioner and 1990 onward used as Vacuum Pump.



KEY FEATURES

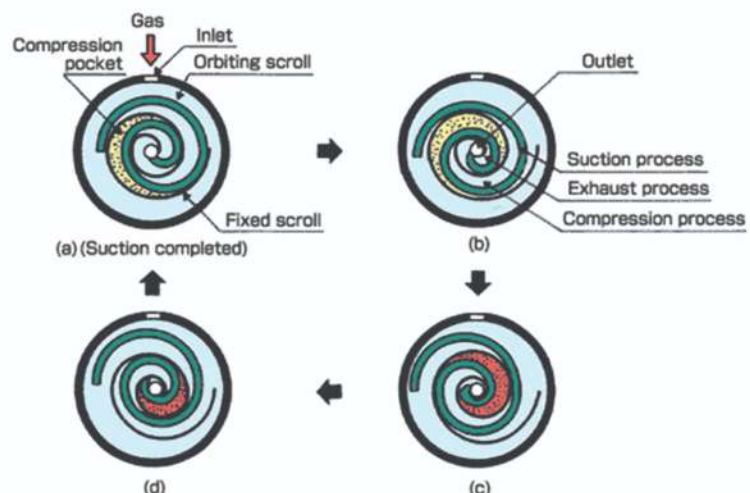
- Compact Design
- Low Rotational Speed
- No effect by vapor contamination
- One man one hour maintenance approach
- Especially designed for chemical and pharma application
- Cantilever design makes it most easy for routine opening and cleaning operation
- Only one moving part in vacuum generation area

AN INSIGHT TO CROZAIR

Backed by a strong technical expertise and access to international industry standard, we at Crozair redefine innovation at every step. We're proud to share that Crozair is the first company worldwide to design , develop and patent applied for Dry Scroll Vacuum Pumps for Chemical and pharma applications

TECHNOLOGY

ARYA Series Scroll Vacuum Pump uses two interleaving scrolls to pump. The scroll geometry may be Archimedean or hybrid curves. One of the scrolls is fixed, while the other orbits eccentrically without rotating, thereby trapping and pumping or progressive compressing pockets of fluid between the scrolls. The compress gases move toward center for exhaust



ARYA HVHD DRY SCROLL VACUUM SYSTEM

ARYA HVHD Series' multistage specifically designed for High Displacement under High Vacuum which is must for many critical Chemical & Pharma applications.

HVHD series' multistage vacuum system comprises of ARYA Series Dry Scroll Vacuum Pump in combination with ANANTA Series' twin lobe vacuum boosters which deliver high displacement and high vacuum.

Application centric innovation, true work horse, time tested and field proven which position it as best in industry with various benefits.

APPLICATIONS

- ANFD
- Degassing
- RCVD / RVPD
- Crystallization
- Vacuum Dryer
- Solvent Distillation
- Short Path Distillation
- Under Vacuum Reactions
- High B.P. Product Distillation



BENEFITS

- Reduces Operating Time
- High Distillates Flow rates
- Low temperature distillation
- Most suitable for thermal sensitive products
- Almost 80–85% lesser operating cost compared to steam ejectors
- No water/ Air pollution compared to steam ejectors
- Designed for high degree of reliability and long operating hours, which position it as perfect replacement of steam ejectors
- Fast evacuation
- Low pitch formation
- No Nitrogen purging unlike other dry vacuum pumps
- Deliver High displacement even under high vacuum which is must for chemical & pharmaceutical applications

SOME OF OUR VALUED CUSTOMERS



- For future improvement & up-gradation Crozair Technicea reserves the rights to change machine features & benefits
- This catalogue briefly outlines our standard pump range, detailed information of all our pumps & accessories are available at individual data sheet
- If you can't find pump suitable to your application within our standard range, our technical engineers are always available to respond to the specific need of your applications



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