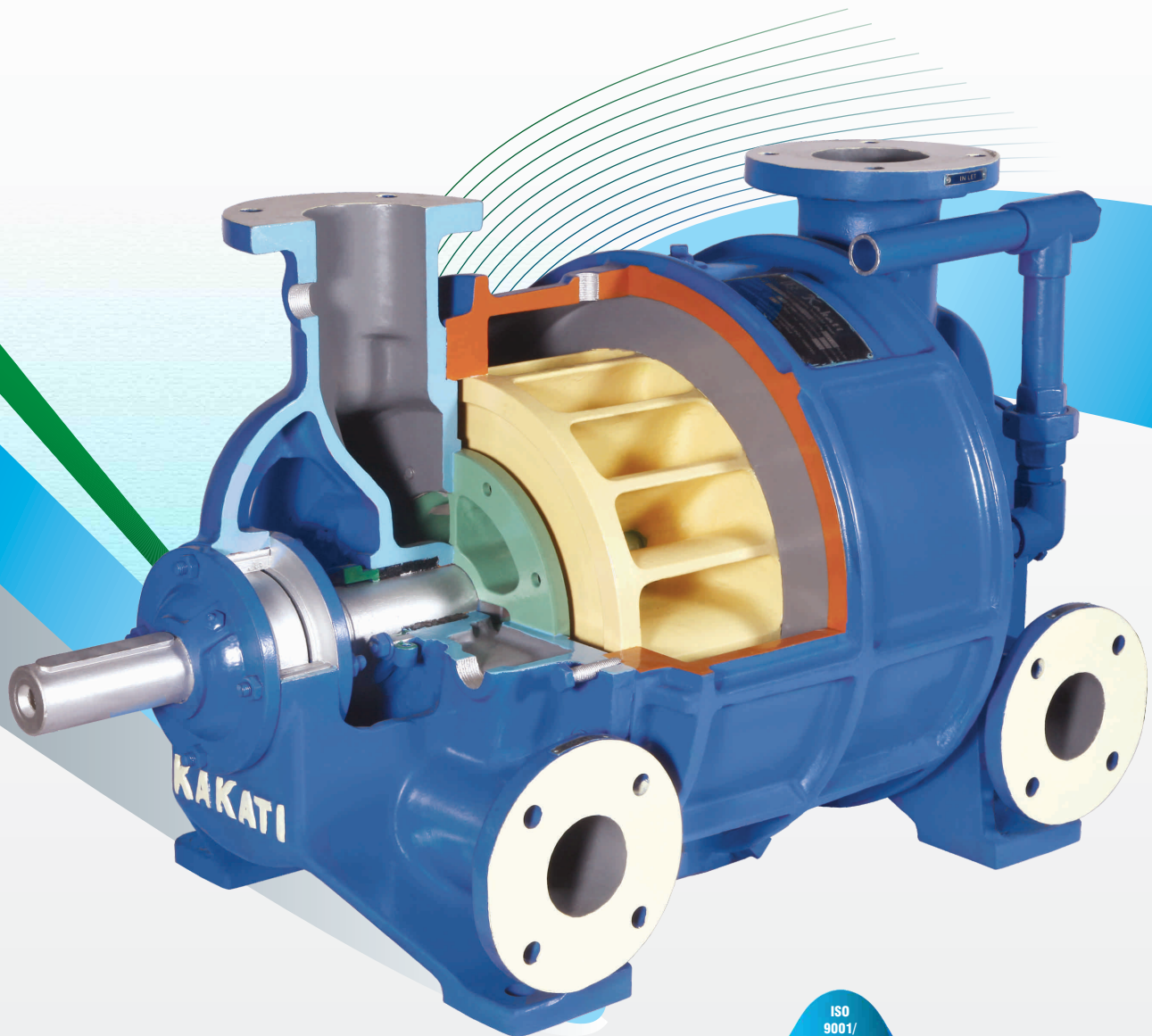


KV-Series Liquid Ring Vacuum Pumps and Compressors



Saving energy from the very start



KV-Series

KV-Series Liquid Ring Vacuum Pumps and Compressors

Introduced to the market over 35 years ago and having over 7000 installations worldwide the KV-Series is the most popular vacuum pump ever built by kakati. KV-Series pumps are single stage vacuum pumps ideal for demanding applications in extremely tough conditions.

Heavy duty pumps, they are able to serve a wide range of applications, which can include paper machine de-watering, autoclaves, carburetor testing, chucking, condenser air removal, container filling, cooking, de-aerating, drying, exhausting, extruder venting, fiber setting, filtering, forming, ash handling, molding, pickup and conveying, priming, slot extraction, and solvent recovery.

Basic specification

Vacuum range	Upto 710 mmHg
Capacity	Upto 16000 m ³ /hr
Compressor pressure	2 bar abs
Standard construction material	Cast iron, Stainless Steel

*Incase of special material of construction please contact our sales team.

KAKATI Quality

All the castings are tested for surface, mechanical & chemical defects before taken up for machining.

All the rotor-shaft assemblies are dynamically balanced according to ISO 1940-Gr 6.3 standard.

Each and every pump is tested before despatch for

Capacity & Power:

BS:1571 part 2 1975 and Pneurop 6612-1984 standards.

or

HEI 2854

Vibration:

ISO 2372 class II C.

Noise:

Noise level 85dB at 1mtr. distance.

Unique Features

- Conical design means better ability to handle water/ particulate slugs
- Variable port design available in L,M and H
- Type L can be operated upto 300mmHG
- Type M can be operated upto 550mmHG
- Type H can be operated above 550mmHG
- This increases efficiency of the pump
- Shrouded rotor design for increased durability
- Can be operated as two independent vacuum pumps of half the capacity

Kakati®

Vacuum Pumps & Systems



CONE

Standard Material:
Cast iron, SS304, SS316



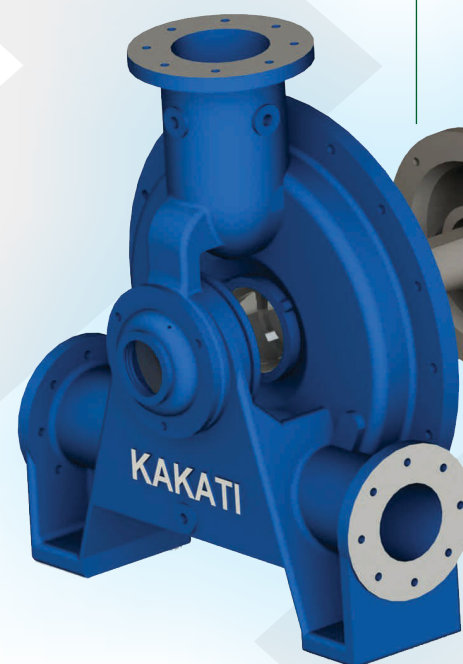
ROTOR

Standard Material:
SG iron, SS304, SS316, SS410



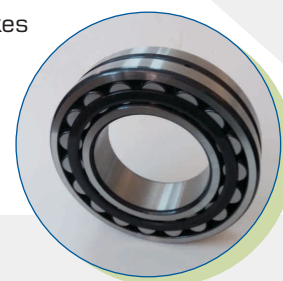
BODY

Standard Material:
Cast iron, SS304, SS316
SS cladding and ARC coating
available on request



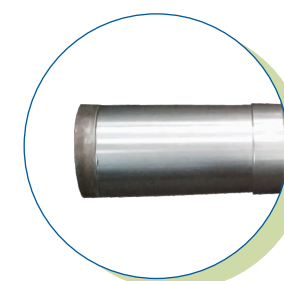
BEARING

We use only
standard bearing makes
like Timken, SKF,
and FAG



SHAFT

Standard Material:
SS304, SS316,
SS410, En8, EN24

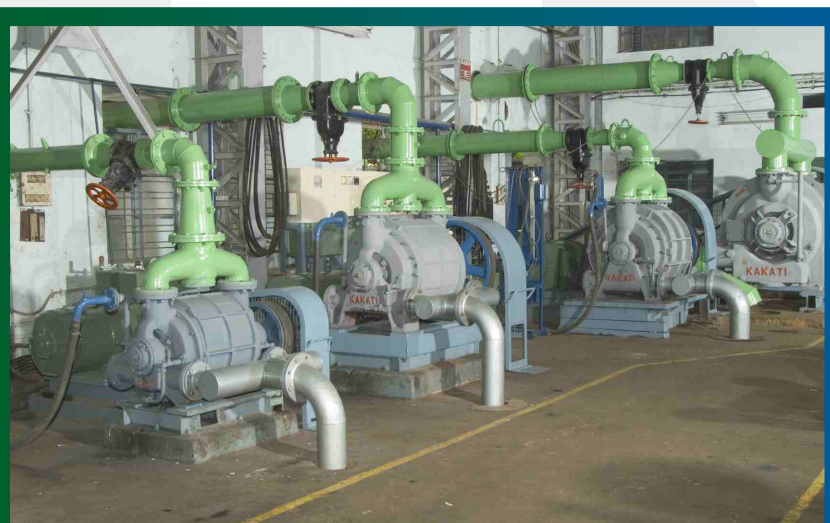


HEAD

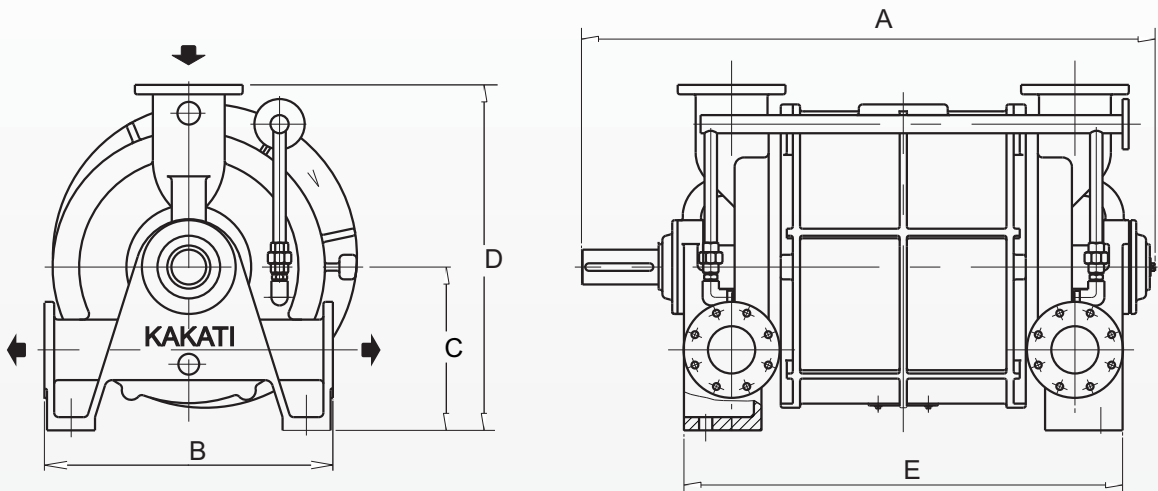
Standard Material:
Cast iron, SS304, SS316
SS cladding and ARC coating
available on request



...over 50 years of expertise
in quality, service
and customer satisfaction.



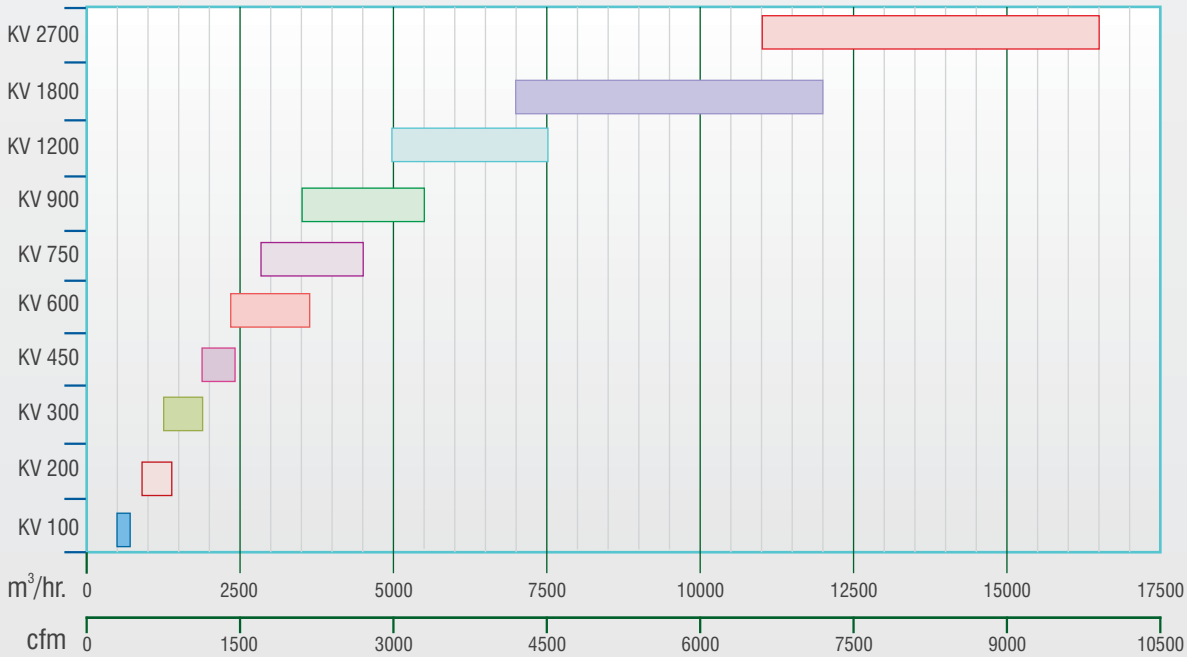
KV-SERIES Vacuum Pumps overall dimensions:



Pump Size	Inlet NB	Outlet NB	A	B	C	D	E
KV 100	80	65	900	458	229	482	572
KV 200	100	80	1030	508	254	572	636
KV 300	125	100	1160	630	300	655	714
KV 450	150	100	1384	860	355	809	844
KV 600	150	125	1499	762	432	914	1160
KV 750	150	125	1648	762	432	914	1310
KV 900	200	150	1750	890	532	1118	1350
KV 1200	250	200	2067	1024	635	1245	1582
KV 1800	300	250	2283	1360	838	1683	1740
KV 2700	350	300	2391	1625	1016	2057	1836

Note : All dimensions are in 'mm' & subject to change without notice.

Air flow capacity range of
Kakati KV-Series liquid ring vacuum pumps



Note : The capacity range indicated is tentative, exact specifications can be obtained with specific enquiry.

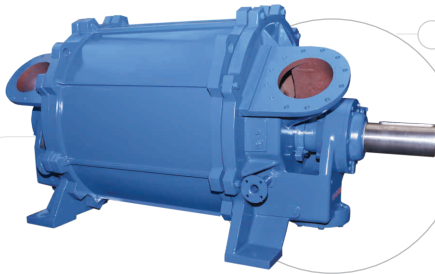
Our other products



K-Series

An upgrade to the popular KV series
Large liquid ring vacuum pumps

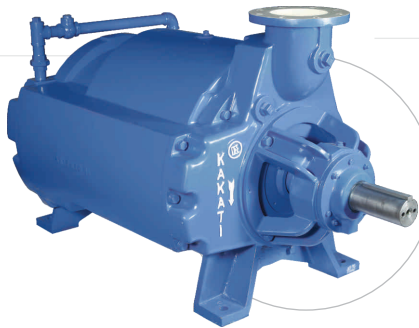
Capacity : Upto 22500 m³/hr
Vacuum range : Upto 710 mmHg
Compressor pressure : Upto 2 bar abs



KEN-Series

Large liquid ring vacuum pumps with superior corrosion resistance
Optimized for energy efficiency and performance

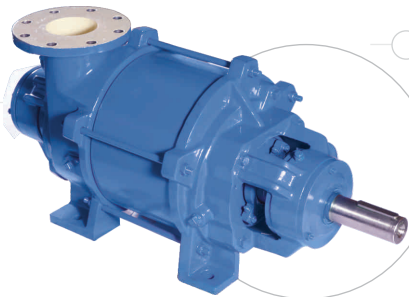
Capacity : Upto 19500 m³/hr
Vacuum range : Upto 710 mmHg
Compressor pressure : Upto 2 bar abs



KTC-Series

Integral 2 stage liquid ring pumps with improved performance
at vacuum levels down to 0.8" HgA (27 mbar)
Pumps are built to accommodate large amounts of liquid
carry over with ease

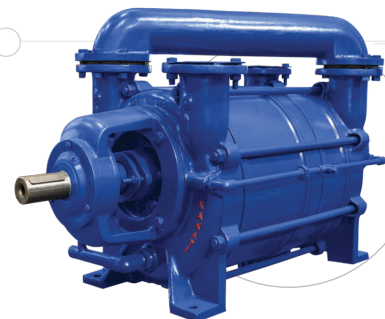
Capacity : Upto 4000 m³/hr
Vacuum range : Upto 740 mmHg



KXL-Series

Single cone liquid ring vacuum pumps and compressors
Designed to handle high back pressure requirements

Capacity : Upto 5000 m³/hr
Vacuum range : Upto 710 mmHg
Compressor pressure : Upto 3 bar abs



KDS-series

Integral two stage vacuum pumps for high vacuum requirement
applications. Designed to operate in low suction pressures
while offering peak efficiency.

Capacity : Upto 5000 m³/hr
Vacuum range : Upto 740 mmHg



KAKATI KARSHAK INDUSTRIES PRIVATE LIMITED

Manufacturers of Liquid Ring Vacuum Pumps and Systems

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