



CHENNAI

# VACUUM PUMP SOLUTIONS



PRODUCT CATALOGUE

# ABOUT US

Prabivac Pumps, founded in 1996 in Chennai, a well-known manufacturer of vacuum pumps that meet the different needs of industrial and scientific institutions. Our product line comprises a variety of vacuum pumps that are renowned for their efficiency and great performance, thanks to considerable experience and knowledge in vacuum technology. Our commitment to quality is evident in the designs, which ensures dependable and trouble-free service. Prabivac Pumps is a reputable brand thanks to its emphasis on customer satisfaction and ongoing innovation.



## OUR MISSION

To provide high-quality, efficient, and reliable vacuum pumps to industries and scientific laboratories, fostering continuous improvement and customer satisfaction.



# OUR HIGHLIGHTS



## Years of experience

Over 30 years of experience in manufacturing industrial vacuum pumps



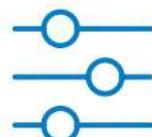
## Global Reach

Trusted by companies worldwide for efficient and effective vacuum solutions



## In-house engineering

Our team of experienced engineers design innovative vacuum pump solutions



## Customizable solutions

We don't just offer standard pumps; we design and manufacture custom solutions to fit your specific needs



## Manufacturing standards

Our pumps are manufactured to meet the highest quality standards, including ISO 9001:2015 standard



## Performance guarantee

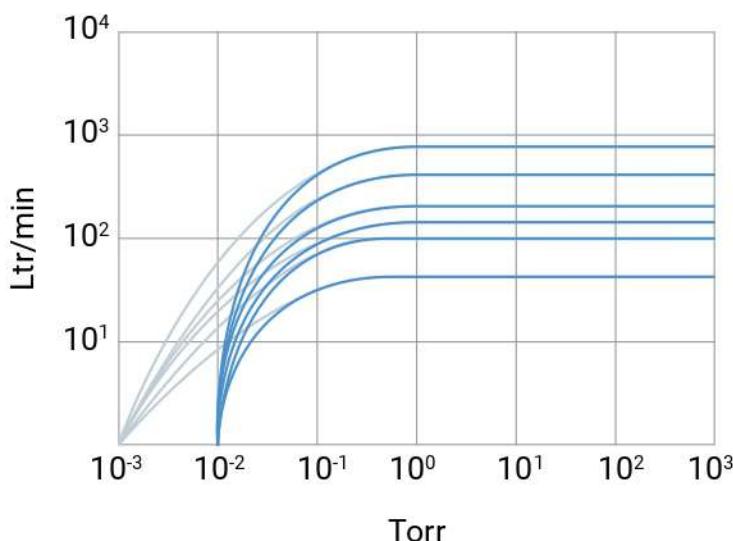
We stand behind our products with industry-leading warranties and performance guarantees

# SINGLE STAGE VACUUM PUMPS

Our single-stage vacuum pumps are designed to provide reliable and efficient vacuum generation for a wide range of applications. These robust pumps feature a simple yet effective design, making them an economical choice for various industrial, laboratory, and scientific processes.

Utilizing a single compression stage, these pumps are capable of achieving ultimate vacuum levels down to **10 microns (0.010 Torr)**. They are ideal for applications that require moderate vacuum levels, such as vacuum packaging, vacuum furnaces, vacuum hold-down systems, and many others.

Model	Pumping Speed (Litres/min)	Oil Capacity (Litres)	Motor (H.P.)
SX 50S	50	1.0	0.25
SX 100S	100	2.0	0.25
SX 200S	200	2.5	0.5
SX 325S	325	4.0	1.0
SX 600S	600	5.0	1.5
SX 1000S	1000	8.0	2.0
SX 2000S	2000	14	3.0
SX 3000S	3000	18	5.0
SX 5000S	5000	25	10.0

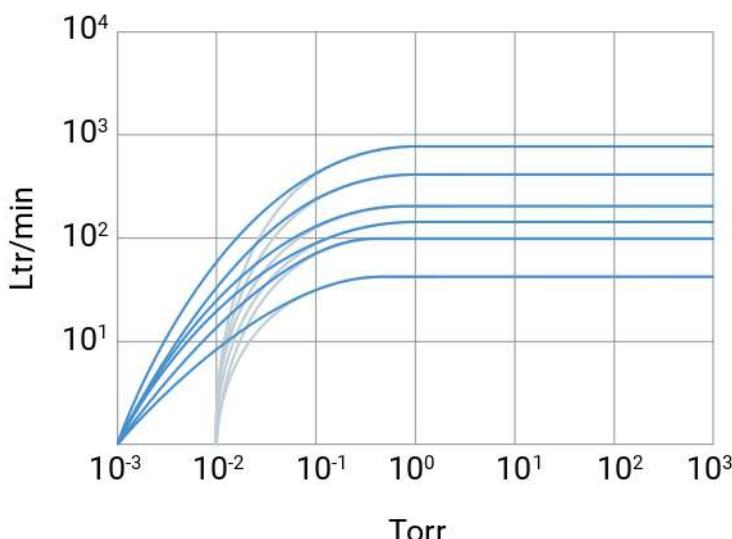


# DOUBLE STAGE VACUUM PUMPS

For applications demanding higher vacuum levels, our double-stage vacuum pumps provide superior performance and efficiency. These pumps feature a two-stage compression design, allowing them to achieve significantly lower ultimate vacuum pressures compared to single-stage units.

Utilizing two consecutive compression stages, these pumps can attain ultimate vacuum levels as low as **0.001 microns (5 x 10<sup>-3</sup> Torr)**. This makes them suitable for a wide range of applications that require high vacuum environments, such as vacuum coating, electron microscopy, mass spectrometry, and various scientific and industrial processes.

Model	Pumping Speed (Litres/min)	Oil Capacity (Litres)	Motor (H.P.)
SX 50D	50	1.0	0.25
SX 100D	100	2.5	0.5
SX 200D	200	3.0	0.5
SX 325D	325	5.0	1.0
SX 600D	600	7.0	2.0
SX 1000D	1000	10	3.0
SX 2000D	2000	17	5.0
SX 3000D	3000	20	7.5
SX 5000D	5000	30	12.5



# VACUUM PUMPS SYSTEM

Our vacuum pump systems are carefully engineered and assembled, combining a robust vacuum pump with essential components such as an intake filter, vacuum gauge and vacuum reservoir.

The integrated design ensures seamless operation and simplified installation, reducing the need for separate component sourcing and assembly.



## PORTABLE VACUUM PUMPS



Our portable vacuum pumps offer the convenience of on-the-go vacuum generation for various applications. Compact and lightweight, these pumps are designed to be easily transported and operated in multiple locations, making them ideal for field service, maintenance, and remote work.

## OIL LESS VACUUM PUMPS



Unlike conventional oil-sealed pumps, these advanced pumps operate without the use of lubricating oils, eliminating the risk of oil contamination. They are ideal for applications that require oil-free operation, such as semiconductor manufacturing, instrumentation, and packaging of sensitive products.

# CERTIFICATIONS

At Prabivac Pumps, we are committed to upholding the highest standards of quality management across all of our operations and product lines. This commitment is exemplified by our **ISO 9001:2015** certification, which we have earned through our robust quality management system.

Whether you require vacuum pumps, systems, spare parts, or services, you can trust that Prabivac Pumps will deliver consistent quality backed by our ISO 9001:2015 certification. Let our commitment to excellence give you complete confidence in our people, products, and processes.



## APPLICATIONS

Some common applications of vacuum pumps include:

- Industrial Manufacturing
  - Scientific Research & Analysis
  - Semiconductor & Electronics Industries
  - Medical & Pharmaceutical Industries
  - Printing & Packaging
  - Food & Beverage Industries
  - Chemical Processing
  - Diary Industry
- and many more...**

With a wide range of vacuum pump types and models available, these versatile systems provide the vacuum levels and pumping speeds required for countless cutting-edge applications across industries.

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**Consult our experts to select the ideal vacuum solution.**

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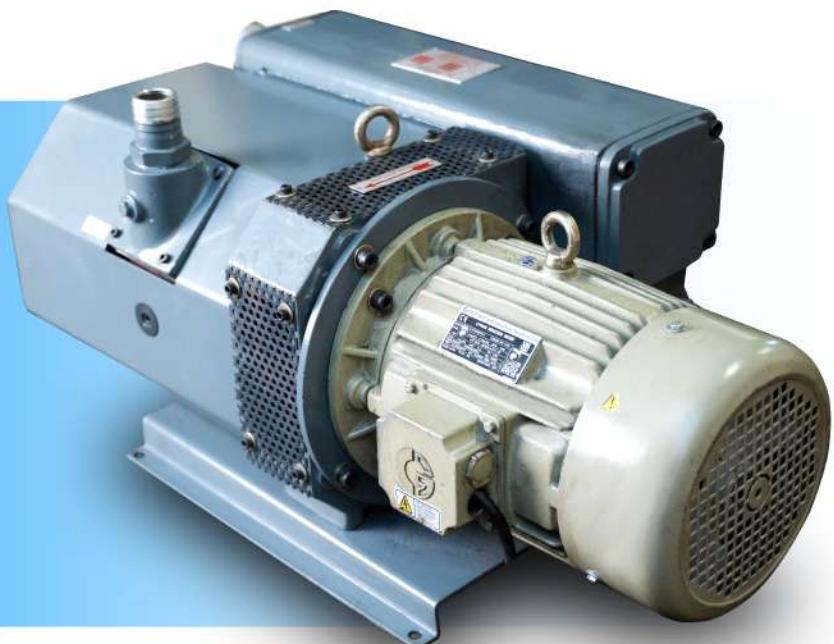
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**PRABIVAC  
PUMPS**

*"Reliable Vacuum Solutions  
for Every Industry"*

# **Oil Lubricated Vacuum Pumps**



PVP series vacuum pumps are single-stage, oil-lubricated rotary vane pumps with oil re-circulation. Built for continuous operation under high intake pressures, they handle air and water vapour efficiently, ensuring reliable performance for industrial use. made from high-quality materials, PVP pumps combine durability with economical operation.

## **Highlights:**

 High pumping speed

 Pollution Free

 Handles water vapor efficiently

 Air cooled system

 Low noise operation

 Built-in Anti Suck-Back System



## **Best For**

- Vacuum Packaging, Bottling, Pick & Place
- Paper, Plastic, Rubber, Glass Processing
- Vacuum Distillation
- Heat Treatment
- Vacuum Impregnation Drying
- Oil Purification

*Turn over for detailed technical specifications ➔*



**PRABIVAC  
PUMPS**

*"Reliable Vacuum Solutions  
for Every Industry"*

## TECHNICAL DATA

Parameter	PVP 20	PVP 40	PVP 70	PVP 110	PVP 160	PVP 320
Nominal Capacity (m³/hr)	20	40	70	110	160	320
Ultimate Pressure (mbar)				0.5		
Operating Voltage				415V 50Hz 3Ø		
Motor Power (HP)	1.00	2.00	2.00	3.0	5.0	7.5
Motor Speed (min⁻¹)				1400		
Oil Capacity (L)	1	1.5	2.5	3	3.5	8
Water Vapour Tolerance (mbar)				30		
Water Vapour Capacity (kg/hr)	0.25	0.5	1.3	3.4	3	7
Weight (with motor, kg)	30	40	65	110	120	200

## ACCESSORIES

Model	PVP 20	PVP 40	PVP 70	PVP 110	PVP 160	PVP 320
Pressure Regulator	Range 670–1 mbar, Size ½	Range 670–1 mbar, Size ¾	Range 670–1 mbar, Size 1	--	--	--
Inlet Suction Filter	Model F36 (Paper/SS Element)	Model F36 (Paper/SS Element)	Model F84 (Paper/SS Element)	Model F144 (Paper/SS Element)	Model F198 (Paper/SS Element)	Model F300 (Paper/SS Element)

## More Products by Prabivac Pumps

- Oil Immersed Vacuum Pumps • Roots Pumps • Vacuum Pumping Systems  
 • Vacuum Impregnation Plants • Epoxy Resin Mixing & Casting Plants • Vacuum De-Hydration cum Gas Charging Unit • Centralised Vacuum System • Ultra High Vacuum Pumps

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