

## Special Pump Systems

ILMVAC offers various vacuum systems with dry and oil lubricated pumps, whose pumping speed and ultimate pressure were developed exactly to the customer's requirements. The vacuum systems specified below are modifiable for similar applications. Please consult your ILMVAC partner to discuss your specific needs.

### Laboratory Rotary Vane Pump System P 4 Z

Universally applicable and mobile rotary vane pump system for the laboratory. Two cooling traps arranged in series provide protection for the suction side of the rotary vane vacuum pump P4Z from condensable vapors.

Pumping speed	77/92 l/min
Suction connection on the table plate	DN 25 KF
Ultimate pressure without gas ballast total	$5 \times 10^{-3}$ mbar
Pumping speed pneurop 50/60 Hz	4.6/5.5 m <sup>3</sup> /h
Dimensions (W/D/H)	680/480/680 mm
Weight	32 kg



### Ordering Information

Type	Power supply V / Hz	PU pcs.	Order-No.
Laboratory Rotary Vane Pump System P 4 Z	230 / 50/60	1	110006

## Rotary Vane Pump System with P 4 Z - GK

Universally applicable, compact, on a mobile baseplate installed laboratory vacuum pump system. A cooling trap provide protection for the suction side of the rotary vane vacuum pump P4Z from condensable vapors.

Pumping speed	77/92 l/min
Suction connection	DN 25 KF
Ultimate pressure without gas ballast total	$5 \times 10^{-3}$ mbar
Pumping speed pneurop 50/60 Hz	4.6/5.5 m <sup>3</sup> /h
Dimensions (W/D/H)	405/150/215 mm
Weight	17.5 kg



### Ordering Information

Type	Power supply V / Hz	PU pcs.	Order-No.
Rotary Vane Pump System with P 4 Z - GK	230 / 50/60	1	110007



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## In-House Vacuum System HVP 250

Powerful rotary vane vacuum pump system for the central vacuum supply in the laboratory and in the industry. Two condensate separators arranged at the suction side prevent the penetration of liquids from the vacuum network into the pump.

Pumping speed	66.7 l/s
Max. inlet pressure	1 bar
Max. outlet pressure	1 bar
Suction connection	DN 50 KF
Pressure connection	DN 63 ISO-K
Ultimate pressure without gas ballast total	0.5 mbar
Pumping speed pneurop 50 Hz	240 m <sup>3</sup> /h
Dimensions (W/D/H)	1250/1050/1130 mm
Weight	230 kg



### Ordering Information

Type	Power supply V / Hz	PU pcs.	Order-No.
In-House Vacuum System HVP 250	3x400/690 / 50	1	110003

## Turbomolecular pump system SST 551 / P 65 D automatic

Automatically operating high vacuum pump system for the laboratory and the industry. Due to its mobility flexibly applicable e.g. for the evacuating of high vacuum recipients, vaporization plants and drying plants.

Pumping speed for helium	600 l/s
Suction connection	DN 160 ISO-K
Ultimate pressure DIN 28428	<5x10 <sup>-7</sup> mbar
Pumping speed	550 l/s
Dimensions (W/D/H)	1400/500/1000 mm
Weight	150 kg



### Ordering Information

Type	Power supply V / Hz	PU pcs.	Order-No.
Turbomolecular pump system SST 551 / P 65 D automatic	3x230/400 / 50	1	101406



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## High-Vacuum Pump System DHV 900/2 - UHL

Special pump system for evacuating and filling UV lamps for research and manufacturing.

Connections for UV lamp	2 pieces
Connections for filling gases	2 pieces
Ultimate pressure of the fore pump	3 mbar
Ultimate pressure DIN 28428	$<10^{-5}$ mbar
Pumping speed for $N_2$	250 l/s
Dimensions (W/D/H)	802/665/1300 mm
Weight	70 kg



### Ordering Information

Type	Power supply V / Hz	PU pcs.	Order-No.
High-Vacuum Pump System DHV 900/2 - UHL	230 / 50	1	200704

## High-Vacuum Pump System DHV 2000 UVS

Special pump system for evacuating and filling UV lamps for the application in production facilities.

Connections for UV lamp	26 pieces
Connections for filling gases	6 pieces
Ultimate pressure of the fore pump	0.1 mbar
Ultimate pressure DIN 28428	<10 <sup>-6</sup> mbar
Pumping speed	250 l/s
Dimensions (W/D/H)	2500/1200/2000 mm
Weight	200 kg



### Ordering Information

Type	Power supply V / Hz	PU pcs.	Order-No.
High-Vacuum Pump System DHV 2000 UVS	230 / 50	1	101403