

# Vacuum Generation - Scroll Pumps

## Scroll Pumps, Dry Run

The new ILMVAC scroll pumps Dry Run I and II are completely dry-running vacuum generators. They have been particularly designed for applications involving condensable vapors and are ideal for chemical applications in laboratories and in industries. The scroll pumps can be operated either as a single pump or in pump combinations.

A special coating of all parts being in contact with the medias provides a good chemical resistance. However, chemical resistivity tolerance may vary according to the individual application.

The pump has a gas ballast device for the pumping of vapors up to a certain maximum suction pressure. Should condensate form in the pump body, the unique vertical construction of the pump allows it to flow out of the pressure port directly. The working pressure covers the rough and high vacuum ranges.

### Ranges of application:

- chemical applications
- vacuum concentration
- vacuum drying
- freeze drying
- fine vacuum distillation
- degassing processes
- refrigeration technology
- vacuum furnaces
- dry-running backing-pump for turbomolecular pumps
- glove boxes

### Ideal replacement for rotary vane pumps:

- electron microscopy
- accelerators
- vacuum methods with high degree of purity
- coating
- backing pumps for turbomolecular pumps
- refrigeration technology

### Scope of delivery:

Scroll pump complete ready-to-use with mains connection cable and plug.

### Accessory Maintenance Kit:

- quick and flexible repair of the pump
- simple assembly
- contains all usual wear and tear components

high pumping speed due to  
powerful motor

robust design for  
a long life

easy to clean

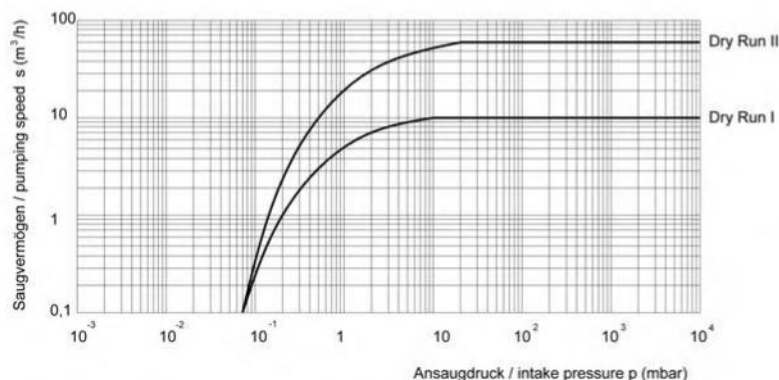
good accessible connection  
flange DN 25 KF

vertical design,  
free condensate flow



### Special characteristics

- water vapor tolerance 50 mbar
- connection flange DN 25 KF
- motor power 550 W
- dimensions (W/D/H) 470/320/440 mm
- weight 30 kg



### Technical Features

Type	Ultimate pressure total mbar	Pumping speed 50/60 Hz m³/h	l/min
Dry Run I	$7 \times 10^{-2}$	9,5/11,2	158/187
Dry Run II	$7 \times 10^{-2}$	14,5/17,2	242/287

### Ordering Information

Type	Mains supply V / Hz	Mandatory accessories Connection cable	PU pcs.	Order-No.
Dry Run I	230 / 50/60 CEE	no	1	460002
Dry Run I	230 / 50/60 UK	no	1	460002-01
Dry Run I	230 / 50/60 CH	no	1	460002-02
Dry Run I	115 / 50/60 US	no	1	460002-03
Dry Run II	230 / 50/60 CEE	no	1	460003
Dry Run II	230 / 50/60 UK	no	1	460003-01
Dry Run II	230 / 50/60 CH	no	1	460003-02
Dry Run II	115 / 50/60 US	no	1	460003-03
Maintenance Kit for Dry Run I and II		no	1	402201