

Scroll Pumps Dry Run, ILMVAC®

Scroll Pumps Dry Run

The new **ILMVAC scroll pumps Dry Run I und II** are intended for use as dry-running vacuum generators in the laboratory and in industry. The scroll pump can be operated either as a single pump or in pump combinations. Special coating of the parts in contact with the medium provides basic resistance to chemicals. However, chemical tolerance may vary according to the application.

The pump has a gas ballast device which also ensures the pumping of vapor up to a defined maximum intake pressure. Should condensate form in the pump body, the unique vertical construction of the pump allows it to flow out of the pressure port easily.

The working pressure ranges from low to high vacuum. The dry running avoids pump oil particles from diffusing back into the suction port of the pump and on into the connected apparatus. The time consuming filling and draining of operating oil is also eliminated, which provides clean handling of the pump.

The scope of applications for this new development from ILMVAC includes vacuum drying, freeze drying, high vacuum distillation and general degassing processes. The pump is also used in refrigeration, as a dry-running fore-pump for turbomolecular pumps, and in glove boxes.

This pump guarantees completely dry vacuum and was purpose-designed for applications involving condensable vapors. Integrated gas ballast, combined with the unique vertical shaft technology, ensure that condensates flow easily from the pump chamber through the exhaust port. The special surface treatment on the wetted surfaces makes these pumps suitable for a wide range of chemical applications.

- chemical applications
- vacuum ovens
- vacuum drying
- freeze drying
- vacuum concentration
- refrigeration
- glove boxes

Article	Ultimate pressure mbar	Suction rate 50/60 Hz m ³ /h	W × D × H mm	Wght kg	Order No.
Dry Run 1	7×10^{-2}	9.5/11.2	470×320×440	30	56 92 46002
Dry Run 2	7×10^{-2}	14.5/17.2	470×320×440	30	56 92 46003

Accessories for scroll pump

Article	Order No.
Condensate separator stainless steel PT 25	56 92 70145
Condenser stainless steel SKS 40/25	56 92 70066
Cooling trap stainless steel welded DN 25 KF	56 92 75121
Cooling trap stainless steel removable DN 25 KF	56 92 75120
HV angle valve with threaded spindle VA 25 HS	56 92 70101

