CE

Self Regulating Vacuum Distillation System

Hold Back Pumps create a fully-automatic distillation process without attention to fraction quantities, manual adjustment, or continuous regulation. The resultant distillation is considerably better and more economically sound than using a diaphragm pump system with a solenoid valve.

The outstanding design of the Hold Back Pump utilizes solvent flow to automatically regulate the diaphragm pump vacuum level.

Features

- 100% automatic distillation
- Collection flask at atmosphere pressure
- Easy connection to all common rotary evaporators.

Applications

- Distillation of large volume of solvents
- Recycling Solvent
- Crystallization or re-crystallization
- Powder and granule drying

Specifications

Ilmvac Model	HBP 101	Advanced Package
No of stages/heads	2/2	
Free Air Displacement		
m^3/h(L/min)@50Hz	2.3(38)	
cfm(L/min)@60Hz	1.45(41)	
Ultimate pressure, mbar(torr)	15(11.2)	
IN / EX hose connector	DN 8	
Tubing Needed, I.D. mm(in.)	8(0.32)	
Intake(Exhaust) Thread NPT	-(-)	
Sound level, dB(A)	42	
Motor Power, watts(HP)	200(0.27)	
Type of motor protection, IP	54	
Weight, kg(lbs.)	18.8(41.4)	
Overall Dimensions		
L cm(in.)	31(12.9)	
W cm(in.)	27(11.3)	
H cm(in.)	49(20.4)	
Ship Weight, kg(lbs.)	25(55.1)	70(154.3)
Shipping Carton Dimensions		
LxWxH cm(in.)	60x80x60 (23.6x31.5x23.6)	120x80x110 (47.3x31.5x43.3)

Ordering Information

230V, 50/60Hz [1]	112036	112032
115V, 50/60Hz [2]	112036-01	112032-01

Note:
Every HBP is supplied with Condenser, solvent recovery, digital control panel, DN 8 hose connector and vacuum sensor.

1. With Schuko and UK plug leads
2. With US plug lead

Accessories

Adapter for Rotary Evaporator 50/70

Material: borosilicate glass

- two hose connectors for vacuum sensor and vacuum hose connection
- DN 8 hose connector for refilling

Type	CAT. No.
Adapter 50/70	700181

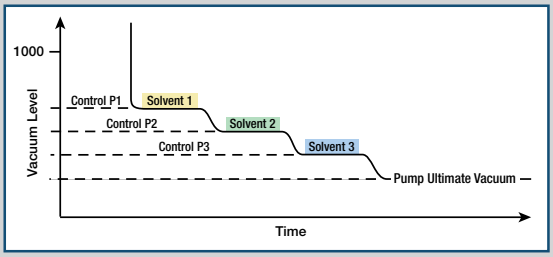
Advanced Packages

All in one ROdist packages - ROdist digital, HBP 101, glass adapter, vacuum sensor and vacuum hose.

Advanced package for fast and automatic stripping of most common rotary evaporator solvents without programming.

Features

- Smooth distillations of multiple sovent systems
- Automatically moderates vacuum for each solvent fraction
- Distills any solvent / volume mixture without compositon knowledge



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Use the above details to contact us if this literature doesn't answer all your questions.

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.