

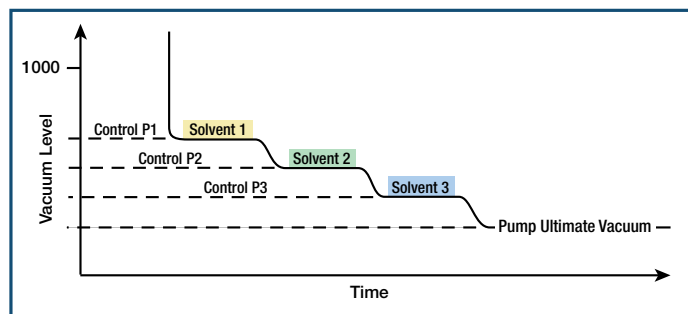


**Holdback Pump Model  
HBP 101**

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

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.



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

## Specifications

Model	HBP 101
Free Air Displacement m <sup>3</sup> /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 [Tubing Needed, I.D. mm(in.)]	DN 8 [8(0.32)]
Sound level, dB(A)	42
Motor Power, watts(HP)	200(0.27)
Weight, kg(lbs.)	18.8(41.4)
Overall Dimensions WxDxH in.(cm)	12.9x11.3x20.4 (31x27x49)

## Ordering Information

230V, 50/60Hz With Schuko and UK plug leads	112036
115V, 50/60Hz With US plug lead	112036-01

- **Intelligent vacuum control**
- **Chemical resistant**
- **Oil-free, energy efficient and low maintenance**

The WelchNet Titan is a microprocessor controlled system of high capacity PTFE diaphragm pumps. The pumps work individually or in tandem as your laboratory vacuum demand requires, holding vacuum level even if an individual pump needs maintenance.

Titan is mounted on a mobile base frame - easily positioned for adaptation to existing plumbing. Titan-4 and Titan-6 are systems utilizing 4 or 6 PTFE diaphragm pumps to provide efficient vacuum on demand for up to 30 separate users.



**Titan Model  
2624**

The individual pumps start up in tandem and are successively switched off as working vacuum pressure is attained. One or more pumps come on in response to vacuum demand, rotating usage to distribute pump wear and extend maintenance interval.

## Specifications

Model	2614	2624	2634	2616	2626	2636
Number of Pumps in System	4	4	4	6	6	6
Pump Speed, l/min (CFM) @60Hz	300 (10.6)	480 (17)	640 (22.6)	486 (14.8)	750 (26.5)	906 (32.0)
Pump Speed, m <sup>3</sup> /hr (l/min) @50Hz	15 (250)	24 (400)	32 (533)	27.0 (450)	37.5 (625)	49.8 (828)
Ultimate pressure, torr (mbar)	<1.5 (<2)	<6 (<8)	<56 (<75)	<1.5 (<2)	<6 (<8)	<56 (<75)
Amp required @230V 60Hz 1Ph	10.4	10.4	10.4	15.6	15.6	15.6
Overall Dimensions LxWxH in. (cm)	15 x 37 x 26 (38x94x66)	15 x 37 x 26 (38x94x66)	15 x 37 x 26 (38x94x66)	15 x 51 x 26 (38x130x66)	15 x 51 x 26 (38x130x66)	15 x 51 x 26 (38x130x66)
Inlet and exhaust connection	NW25	NW25	NW25	NW25	NW25	NW25
Weight, lbs (kg)	216 (98)	216 (98)	216 (98)	308 (140)	308 (140)	308 (140)

## Ordering Information

230V 50/60Hz 1Ph	2614C-01	2624C-01	2634C-01	2616C-01	2626C-01	2636C-01
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