

### Pump, vacuum and pressure, diaphragm, oil free



Applications include vacuum filtration, pressure filtration, analysers; gas sampling analysis and monitoring; circulation and transfer of gases and vapours; flame photometers; vacuum desiccation, small evaporators; pick and place operations; replacement for water jet pumps; vacuum forming.

With a detachable 2m mains lead for connection to the fused IEC socket at the rear. The motor is designed for continuous and reliable operation, and additional safety is provided by means of a thermal switch.

#### Technical Specification

Flow rate, L/ min	5
Vacuum, mbar	25
Pressure, bar	0.3
Mass, kg	2.0
Dimensions [w x d x h], mm	185 x 165 x 155
Electrical supply	50V
Motor type	IP00

Catalogue No	Legacy No	Alt. No	Model No
12945084	-	085304	VP1HV

#### Spare parts

Catalogue No	Legacy No	Alt. No	Description
12995084	-	085375	Spares kit for 12945084



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WELCH-ILMVAC

Single funnel vacuum filtration, vacuum desiccators, nano-filtration, HPLC-filtration.

- Controllable filtration power
- Compact, oil free, portable
- Vacuum display and adjustment for soft start
- Chemical duty pump
- DN 6 hose nozzle

Vacuum filtration is widely used as a sample preparation method in life sciences, environmental monitoring, chemistry and analytical processes. MPC 090 E has been specifically designed for these applications using reliable diaphragm technology, ensuring quiet operation and long service life.

The standard equipment of a high accuracy regulator allows for soft start filtration, to prevent damage to the filter membrane, whilst allowing a powerful final vacuum level to be achieved for fast results. A built in catch pot prevents ingestion of liquid into the pump.

#### Technical Specification - General

Free air displacement, L/ min [m³/ bar]	15
Vacuum, mbar	100
Mass, kg	2.5
Dimensions [w x d x h], mm	144 x 130 x 244
Electrical supply	90-260V, 50/60Hz, via 24V d.c. adapter

Catalogue No	Legacy No	Alt. No	Description
12625635	-	412021	MPC 090 E filtration pump

#### Accessories

Catalogue No	Legacy No	Alt. No	Description
13504920	-	404008	Filtration kit
12967914	-	112555-04	In line particulate filter
10524068	-	-	Silicone hose, 6mm inner diameter, 3mm wall thickness, per metre

