

# Pumps

## vacuum, diaphragm



### Pumps, vacuum, diaphragm, oil free, self cleaning



**WELCH-ILMVAC**

Ideal for rotary evaporators.

- Heated pump heads eliminate condensation for consistent, clean vacuum
- No need for gas ballasting
- No loss of ultimate vacuum due to process media contamination

Specifically designed to maintain pump efficiency in rotary evaporator applications, iQ pumps from Welch ILMvac® employ a unique heated head design. Keeping the pump heads at an elevated temperature ensures that condensation cannot occur and the pump is always capable of achieving the final vacuum of 2mbar, even during prolonged use.

With a range of accessories, or as a fully configured system, iQ pumps provide the best pump solution for all rotary evaporators.

#### Technical Specification - Specific

	13534920	10200790
Mass, kg	7.5	9.5
Dimensions [w x d x h], mm	235 x 140 x 327	250 x 260 x 435

#### Technical Specification - General

Free air displacement, L/ min [m³/ bar]	20
Vacuum, mbar	<2
Electrical supply	90-260V, 50/60Hz, via 24V d.c. adapter

Catalogue No	Legacy No	Alt. No	Model No
13534920	-	412443-15	MPC 105 T iQ
10200790	-	114184	LVS 105 T - 10ef

#### Accessories

Catalogue No	Legacy No	Alt. No	Description
11825935	-	700459	Vacuum regulator with dial gauge for MPC 105 T
12811693	-	700459-01	Vacuum regulator with digital gauge and pressure relief valve for MPC 105 T
13524920	-	700460	Intake separator/liquid trap for MPC 105 T, for use with vacuum regulators
13544920	-	700462	Solvent recovery unit for MPC 105 T
13514920	-	112575	Rotary evaporator kit

For rotary evaporators, please see pages 642 to 650



### Pumps, vacuum, hand operated, without gauge, Thermo Scientific Nalgene®



Attains and holds a vacuum of 635mm Hg.

Adjustable vacuum release rate controlled by a lever on the pump. Full blank port pressure is obtained with only two strokes. Removable cover on exhaust port and trigger allow vacuum to be released without disconnecting pumps from the line. Nozzle fits 6.35mm I.D. tubing. With 600mm length of clear plastic tubing. When transferring liquids, use air trap to prevent liquid from entering pump. Polyvinyl chloride body. Without vacuum gauge.

Catalogue No	Legacy No	Alt. No	Pumping rate, mL/ stroke	Positive pressure, bar
10008570	-	6131-0010	15	0.21
10739511	-	6131-0020	36	0.48