

# Pumps, Air/Gas/Vacuum

## Diaphragm Vacuum Pump/Compressors

Oil-free diaphragm pump/compressors that provide a quiet and compact vacuum or pressure source for air, gas and vapour applications. They are ideal for the majority of laboratory duties requiring low vacuum, especially assisted filtration. They are an ideal replacement for water jet pumps.

All pumps conform to IEC 1010 safety requirements for electrical equipment for laboratory use.

### General purpose pumps

Housed in robust, splashproof polycarbonate cases. Each unit has a built-in inlet filter and silencer for quiet operation and is supplied with a long IEC mains lead. They are simple to use and are ideal for light general purpose duties, aeration and assisted filtration requirements. Model PX305-10 is particularly suitable for school and college laboratories.

Cat. No.	Vac mbar	Pressure Bar	Flow l/min	Inlet/Outlet
PX305	500	0.8	5	4mm
PX345	280	1.8	14	8mm

### General Purpose Pumps

As specified. In polycarbonate splashproof case. For 230V 50Hz single phase supplies. Dimensions given are overall H x W x L.

- PX305-10** Cased, 120 x 205 x 140mm
- PX345-10** Cased, 120 x 205 x 140mm

### Continuous use pumps

Housed in robust splashproof metal cases (except PX330 and PX365) complete with carrying handle. Each unit has a built-in inlet filter, silencer and is supplied with a long IEC mains lead. They can be run continuously making them ideal for circulating systems and long term experiments.

Cat. No.	Vac mbar	Pressure Bar	Flow l/min	Inlet/Outlet
PX330*	550	2.0	7.5	8mm
PX332	280	2.0	8.0	8mm
PX365*	80	2.5	18	8mm
PX367	80	2.5	18	8mm
PX368	80	2.5	35	8mm

\*These pumps are uncased for building into equipment.

### Continuous Use Pumps

As specified. In metal splashproof case where indicated. For 230V 50Hz single phase supplies. Dimensions given are overall H x W x L.

- PX330-10** Uncased, 140 x 88 x 158mm
- PX332-20** Cased, 212 x 136 x 265mm
- PX365-10** Uncased, 178 x 132 x 202mm
- PX367-10** Cased, 216 x 210 x 283mm
- PX368-10** Cased, 235 x 230 x 230mm

### Chemically resistant vacuum pumps, Innovac

Oil-free, corrosion resistant, alloy-cased vacuum pumps incorporating flush-folding carrying handle. With dual PTFE pumpheads, PTFE diaphragm, Kalrez valves and PVDF outlet connectors. Ideal for continuous pumping of corrosive gases and vapours.

Cat. No.	Vac mbar	Pressure Bar	Flow l/min	Inlet/Outlet
PX383	8	1.0	38	8mm
PX386	12	—	60	8mm

### Chemically Resistant Pumps, Innovac

As specified. With carrying handle and mains lead. For 230V 50/60Hz single phase supplies. Dimensions given are overall H x W x L.

- PX383-10** Innovac 40, 214 x 136 x 393mm
- PX386-10** Innovac 60, 214 x 136 x 393mm

## Hand Vacuum Pumps

### Hand Operated Vacuum Pumps

Plastic bodied, portable, hand operated pumps suitable for many simple vacuum applications including aiding filtration and evacuating desiccators. Can attain a vacuum of approximately 170mbar. Nozzle accepts 6.4mm i.d. tubing. The gauge of PX220-15 is scaled 0 to 30 inches and 0 to 100kPa.

	Pumping rate	Gauge
<b>PX220-11</b>	16ml/stroke	No
<b>PX220-15</b>	16ml/stroke	Yes
<b>PX220-20</b>	36ml/stroke	No



PX305, PX345 is similar



PX332, PX367, PX368 are similar



PX220-15



PX330



PX383, PX386



PX220-20, PX220-11 is similar