

# Vacuum Pumps for Life Science

A range of vacuum pumps precisely tuned to your laboratory applications such as filtration, degassing, desiccation, sampling and aspiration



Fisherbrand oil-free piston and diaphragm pumps are ideal for a variety of applications such as filtration of low volumes, degassing, gas transfer and sampling.

The areas of use are: water and waste analysis, food, beverages, pharmaceutical QC, environmental analysis and quality control.

## Piston Pump Cat. No. 11533485

Ideal for the basic filtration of non-aggressive solvents.

Design Features:

- Lightweight, compact and portable
- Covers most standard applications
- Economically priced but with high performance
- Quick and simple to use due to stylish design



### Technical Features

| Cat No.                            | 11533485         | 12911151                   |
|------------------------------------|------------------|----------------------------|
| Pumping speed @ 50/60Hz            | 9.2 L/min        | 15 L/min                   |
| Ultimate pressure                  | < 292 mbar       | < 100 mbar                 |
| Max. overpressure                  | 2.3 bar          | 2.3 bar                    |
| IN / EX hose connector             | Hose nozzle DN 6 | Hose nozzle DN 6, silencer |
| Sound level @ 50Hz                 | < 45 dB(A)w      | < 45 dB(A)                 |
| Motor power                        | max. 25 W        | 20 W                       |
| Type of protection (motor)         | IP 48            | IP 44                      |
| Weight                             | 2.3 kg           | 2.0 kg                     |
| Overall dimensions (LxWxH)         | 194x114x191 mm   | 144x127x196 mm             |
| Ship weight                        | 2.7 kg           | 3.5 kg                     |
| Shipping carton dimensions (LxWxH) | 280x180x210 mm   | 230x170x275 mm             |
| Type                               | 230 V, 50 Hz     | 90-260 V, 50/60Hz          |

## Diaphragm Pump Cat. No. 12911151

Oil-free dry pump helping you to simplify your filtration and sampling procedure.

Design Features:

- Light chemical resistance
- Compact, lightweight and portable
- Quiet operation and very low vibration
- Use in the lab or in the field (with optional adapter)



### Accessories

| Cat No.  | Description                                                         |
|----------|---------------------------------------------------------------------|
| 13168266 | Vacuum regulator with dial gauge for pump 12911151                  |
| 13504920 | Filtration kit & dessicator kit with vacuum hose and In-line filter |



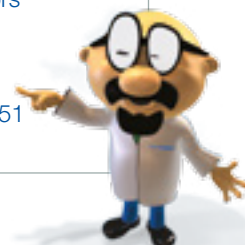
Vacuum regulator  
Cat. No. 13168266



Filtration kit & dessicator kit  
Cat. No. 13504920

### Dr. Blue says...

Stop using water jet pumps or aspirators and polluting water. Replace with a Fisherbrand vacuum pump. For a convenient filtration process where you always have the right vacuum, 12911151 is the perfect choice.



Systems for liquid aspiration and disposing of liquids in biochemistry, microbiology and cellular culture technology.

## Compact Station



Cat. No. 11532763

## Aspiration Advantage System



Cat. No. 15348191

## Aspiration Basic System



Cat. No. 15567479

The Fisherbrand Aspiration Systems and Compact Station are compact and portable units used for the safe and precise aspiration of biological and medical liquids. The Aspiration Systems are suitable for non-flammable chemicals as well.

Applications:

- Aspiration of liquids and fluids
- Disposal of biological and medical fluids
- Cell culture aspiration
- Rinsing of sample cultures

| Features                                                              | Compact Station | Aspiration Advantage System | Aspiration Basic System |
|-----------------------------------------------------------------------|-----------------|-----------------------------|-------------------------|
| Receiver                                                              | 1.2 L           | 4 L                         | 4 L                     |
| Hydrophobic filter for bacteria and viruses                           | Yes             | Yes                         | Yes                     |
| Automatic flow-stop                                                   | Yes             | Yes                         | Yes                     |
| Rapid action coupling hose connectors with automatic isolation valves | No              | Yes                         | Yes                     |
| Vacuum regulator and built-in gauge                                   | Yes             | Yes                         | No                      |
| Pipettor handvac Advantage Set                                        | No              | Yes                         | No                      |
| Illuminated bottle for easy level monitoring                          | No              | Yes                         | Yes                     |

### Technical Features

| Cat No.                    | 11532763                | 15348191              | 15567479                                           |
|----------------------------|-------------------------|-----------------------|----------------------------------------------------|
| Free air displacement      | 9.2 L/min               | 15 L/min              |                                                    |
| Ultimate pressure          | < 292 mbar              | < 100 mbar            |                                                    |
| Intake connection          | Hose and hose connector | Handvac Advantage set | Hose with rapid action coupling and hose connector |
| Exhaust connection         | DN6                     | DN8                   |                                                    |
| Maximum medium temperature |                         | +40°C                 |                                                    |
| Sound level                |                         | <45 dB (A)            |                                                    |
| Overall dimensions (LxWxH) | 280x210x255 mm          | 395x199x390 mm        |                                                    |
| Weight                     | 2.6 kg                  | 7.2 kg                | 7.0 kg                                             |

### Accessories

| Cat No.  | Description                                        |
|----------|----------------------------------------------------|
| 10700854 | Handvac basic set                                  |
| 15572620 | Handvac duo                                        |
| 15451934 | Stand for handvac                                  |
| 10412163 | 8-channel SS adapter                               |
| 10591443 | On/off foot switch                                 |
| 12967914 | Inline filter (hydrophobic), 1 piece               |
| 15461934 | Replacement receiver bottle for Aspiration Systems |
| 10523543 | Replacement receiver bottle for Compact Station    |

#### Dr. Blue says...

Hazardous substances in the gases to be pumped can cause personal injuries and property damage. Pay attention to the warning notices for handling hazardous substances and test the strength and leak-tightness of the connecting lines and the connected apparatus.



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