

COMPACT STATION FOR ASPIRATION & PRESSURE TRANSFER



Model 2511

Specifications & Ordering - p. 45

- Pumping capacity 11 l/min. @60 Hz
- Pressure transfer capability to 33 PSIG (3.3×10^5 Pascal)
- Automatic flow stop when 1.2 liter receiver full
- Lightweight, portable

Versatile model 2511 standard duty, oil-free station is an economical, portable solution for aspirating, filtering or rinsing. Added accessories include 1.2 liter autoclavable, bleach resistant collection receiver, vacuum regulator and gauge, hydrophobic in-line filter, automatic shut-off when receiver is full. All wetted parts are treated for corrosion protection from moisture. Recommended for aspirating aqueous solutions including buffers, but not for acidic, basic or organic vapors or gases.

See p.78 for hand held pipettor and other aspiration accessories.

HIGH FLOW FOR CELL CULTURE ASPIRATION



Model 2515

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- High pumping capacity 34 l/min. @60Hz
- Bleach resistant
- Automatic flow stop when 1.2 liter receiver full
- Lightweight, portable

High flow model 2515 standard duty, oil-free station is an economical, portable solution for aspirating or filtering. Station includes 1.2 liter collection receiver with port lid, vacuum regulator & gauge, and hydrophobic in-line filter.

Receiver is autoclaveable and bleach resistant. Automatic float valve shutoff protects pump when receiver is full. For vacuum filtration, receiver port lid accepts filter funnel with stopper.

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See p.78 for hand held pipettor and other aspiration accessories.

Optional hands free On/Off foot switches plug directly into the power source outlet. See page 78 for a full listing



Application Note | Aspiration Stations

The most common reason for vacuum pump failure in aspiration applications is the ingestion of liquid into the pump mechanism. Liquids ingested into the pump mechanism will lead to the valves failing or a diaphragm rupturing. Welch Aspiration Stations integrate features that protect your pump and your application:

1. The Collection Receiver captures aspirated liquid and automatically shuts off flow to the pump when full.
2. The hydrophobic in-line filter further protects the pump from aerosol ingestion. Routinely empty the Collection Receiver to assure continuous aspiration for your application.

COMPLETE FLUID ASPIRATION SYSTEM



Model
Biovac 106

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- Autoclavable 4-liter polypropylene collection bottle
- HandVac pipettor
- Automatic flow-stop when receiver full
- 0.22 micron hydrophobic biofilter

Biovac 106 is a complete aspiration system for the safe and precise aspiration of biological fluids. An integrated chemical resistant diaphragm pump provides the vacuum source to the HandVac pipettor.

To the HandVac pipettor, different pipettes, glass tips and Pasteur pipettes may be connected for easily and precisely removing fluids from slides, Petri dishes, cell culture containers etc. These fluids are transferred via suction to a collection bottle.

The collection bottle has an automatic flow-stop when receiver is full. A biofilter is in-line between collection bottle and pump to prevent bio-aerosols from entering the pump and exhausting into the room. The complete system provides maximum personal protection.

Biovac 106 includes HandVac pipettor as standard.
CAT No. 112580



ASPIRATION SYSTEM ON MOBILE CART



Model
Fluivac 105

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- Large 5 liter coated glass collection bottle
- Easily rolled to location needed
- Automatic float valve when receiver full
- 0.22 micron hydrophobic biofilter

Fluivac 105 is suitable for aspirating large amounts of liquid in laboratory or industrial applications. The system consists of mobile cart with handle, 5 liter coated glass collection bottle, high capacity chemical duty diaphragm pump, biofilter, float valve and tubing. Glass collection bottle is autoclavable.

The handle telescopes down to reduce the storage space requirement when not in use. Tubing supplied 3/8 in.(8 mm) I.D. and is 5 m(16.4 ft) with plastic pipette tube at suction end. On-off switch is mounted on the diaphragm pump.

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