

COMPACT STATION FOR ASPIRATION & PRESSURE TRANSFER



**Model
2511**

**Specifications &
Ordering - p. 29**

- Pumping capacity 11 l/min. @60 Hz
- Pressure transfer capability to 33 PSIG (3.3 x 10⁵ 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 & gauge, hydrophobic inline 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. 9 for hand held pipettor and other aspiration accessories.

HIGH FLOW FOR CELL CULTURE ASPIRATION



**Model
2515**

**Specifications &
Ordering - p. 29**

- 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 inline 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.

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.9 for hand held pipettor and other aspiration accessories.

PARTICULATE, HYDROPHOBIC IN-LINE FILTERS

The filters are an economical solution to protect your WOB-L[®] piston vacuum pump from fine particulates and aerosols down to 0.2 microns in diameter.

Made of Polypropylene housing,
CAT. No. 1475K-21 fits 1/4" to 3/8" and
CAT. No. 1475K-23 fits 1/4" ID hose.



1475K-21

Made of SBS resin housing,
CAT. No. 1475K-22
fits 3/8" to 7/16" ID hose.



1475K-22



1475K-23

For Ordering Information, see p. 39

REPLACEMENT JARS FOR ASPIRATION STATIONS

Spare receiver kit (1475K-20) includes a 1.2 liter autoclavable jar with auto shut-off port lid, 6ft. of tubing and two hydrophobic filters.



Pump Model

CAT. No.

2511B-75, 2511C-75, 2515B-75, 2515C-75

1475K-20

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 liquids and automatically shuts down the pump when full and
2. The hydrophobic inline filter further protects the pump from aerosol ingestion. Routinely empty the Collection Receiver to assure continuous aspiration for your application.

HAND HELD PIPETTOR FOR ASPIRATION STATIONS



1475K-10

- Quick pipette / manifold adaptation
- Precise vacuum control button
- Ergonomic design lessens strain
- Solution contact surfaces autoclavable

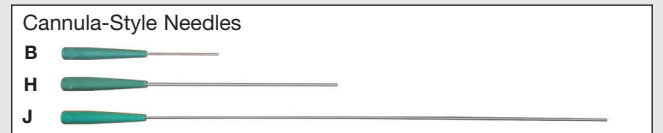
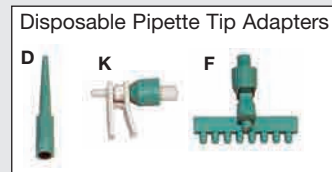
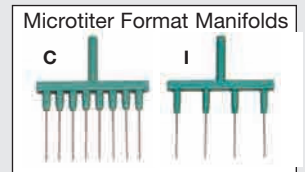
Control your aspiration application with ease. The handheld pipettor system (1475K-10) provides pressure sensitive button control and enables clean transition between samples using a slight residual suction to prevent drippage; closing the adjustment screw stops all residual vacuum. Single channel and four and eight channel stainless steel manifold adapters work well with a wide range of liquid media. The single and eight channel disposable tip adapters include a convenient tip ejector. Also for use with standard volumetric pipettes. The entire unit is autoclavable and disassembles easily for cleaning.

Ordering Information

Description	Model	Image
Handheld pipettor with 1 channel stainless steel 40mm aspiration adapter and Pasteur pipette adapter	1475K-10	A
Adapter, stainless steel tip, 40mm	1475K-01	B
8-channel adapter, stainless steel	1475K-02	C
1-channel adapter for disposable tips, w/o ejector	1475K-03	D
Rubber adapter for Pasteur pipettes	1475K-04	E
8-channel adapter for disposable tips, with ejector	1475K-05	F
Adapter, stainless steel tip, 150mm	1475K-06	H
4-channel adapter, stainless steel tips, 40mm	1475K-07	I
Adapter, stainless steel tip, 280mm	1475K-08	J
1-channel adapter for disposable tips, with injector	1475K-09	K
Spare receiver kit-Includes: 6 ft. tubing, 1.2 liter autoclavable jar w/lid and two hydrophobic filters	1475K-20	L
Replacement hydrophobic filters (10)	1475K-21	M



E - Pasteur Pipette Adapter



ON/OFF FOOT SWITCH

- Hands free On / Off pump operations
- No adapters or special connections needed
- Plugs directly into the power source outlet

On/Off foot switches are compatible with selected dry vacuum pump models. Switches handle up to 15 amps.

Cat. No. 1430A & 1430B come with a 3-prong U.S. Standard plug with 8 Ft. Cord, CSA, NEMA & UL Enclosure Type 1.

CAT. No. 1430C comes with a male and female IEC connections, 8 Ft. Cord, CE and plugs directly into the IEC connection on the pump.



Ordering Information

Pump Model	Power	Switch Logic	CAT. No.
All DRYFAST® Diaphragm Pumps	115V/60Hz	Maintained On/Off	1430A
	115V/60Hz	Momentary On/Off	1430B
All WOB-L® Piston Pumps	90-230V with IEC connections	Momentary On/Off	1430C