

## Compact Aspiration/Filtration Vacuum Stations



Model 2511B-75



Model 2515B-75

- Liquid trap to avoid ingestion of fluids into the pump
- Vacuum regulator adjusts and monitors vacuum level
- Dial vacuum gauge for continuous vacuum level monitoring
- Vacuum to 27.2" Hg (model 2515) and 21.3" Hg (model 2511)
- Automatic flow shut down when full
- Bleach resistant construction extends service life (model 2515)

### **Aspiration/Pressure Transfer Station Model 2511**

Standard duty, oil-free station is an economical, portable solution for aspirating or filtering. Added accessories include 1.2-L autoclavable collection receiver, hydrophobic inline filter, automatic shutoff and vacuum regulator to simplify use. 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 and gases.

### **Cell Culture Aspiration Station Model 2515**

Cell culture station model 2515 is an economical, portable solution for aspirating tissue culture samples. A high flow (34 L/min), WOB-L piston pump is the heart of this cell culture aspiration station. Added accessories include a 1.2-L autoclavable collection receiver, a hydrophobic inline filter, an automatic shutoff and vacuum regulator to simplify use. All wetted parts are treated for corrosion protection from moisture. Recommended for aspirating aqueous and bleach solutions, but not for acidic, basic or organic vapors and gases.

Welch Standard Duty Dry pumps are ideal for pumping water vapor. These WOB-L piston pumps have a high water vapor tolerance. Each aspiration system comes with inlet liquid trap, mounted vacuum gauge and vacuum regulator.

The most common reason for vacuum pump failure is ingestion of liquid into the pump mechanism. Dry vacuum pumps are designed for pumping gases and vapors. Liquids ingested into the pump mechanism may cause the valves to fail on a Standard Duty Pump. To help prevent the ingestion of harmful liquids and particles, Welch includes a liquid trap and hydrophobic filter with all of its aspiration systems.

# Aspiration/Filtration Stations

## Compact Station for Aspiration & Pressure Transfer



*"Did you know that the most common reason for vacuum pump failure is ingestion of liquid into the pump mechanism?"*

Cat. No.	Model 2511			Model 2515		
	2511B-75	2511C-75	2511C-76	2515B-75	2515C-75	2515C-76
<b>Free Air Displacement</b>						
CFM(L/Min) @ 60Hz	0.39(11)			1.2(34)		
m3/hr(L/min) @ 50Hz	0.55(9.2)			1.7(28)		
Ultimate Pressure, Torr (mbar)	219(292)			70(93)		
Max Pressure PSIG (pascal)	33(3.3 x 10 <sup>5</sup> )					
Maximum Vacuum, in. Hg	21.3			27.2		
Motor Horsepower (watts)	1/30(25)			1/8(93)		
Tubing needed, I.D. in. (mm)	3/16(5)			1/4(7)		
Intake/Exhaust Thread NPT	3/16 in. Hose			1/4		
Weight (lbs.)	5.7			13.2		
<b>Overall Dimensions</b>						
L in. (cm)	11.0(28)			14.8(37.5)		
W in. (cm)	8.3(21)			8.3(21)		
H in. (cm)	10.0(25.5)			10.0(25.5)		
Ship Weight, lbs (Kg)	11.0(5)			14.8(6.7)		
Shipping Carton Dimensions L x W X H in. (cm)	21.5 x 12.5 x 16 (54.6 x 31.8 x 40.6)			21.5 x 12.5 x 16 (54.6 x 31.8 x 40.6)		
Electrical Requirements	115V, 60 Hz	230V, 50Hz	100V, 50/60Hz	115V, 60 Hz	230V, 50Hz	100V, 50/60Hz

## Accessories For Aspiration/Filtration Stations



Image	Description	Model
B	Adapter stainless steel, 40 mm	1475K-01
E	8-Channel adapter stainless steel	1475K-02
A	1-Channel adapter for disposable tips, w/o ejector	1475K-03
K	Rubber adapter for Pasteur pipettes	1475K-04
G	8-Channel adapter for disposable tips, with ejector	1475K-05
C	Adapter with stainless steel tip, 150 mm	1475K-06
F	4-channel stainless steel aspiration adapter, 40mm	1475K-07
D	Adapter stainless steel, 280 mm	1475K-08
I	1-Channel adapter for disposable tips, with ejector	1475K-09
H	Hand held pipette with 1 channel stainless steel aspiration adapter 40mm, includes rubber adapter for Pasteur pipettes	1475K-10
Not Shown	115V 60Hz - Maintained on/off footswitch	1430A
Not Shown	115V 60Hz - Variable on/off footswitch	1420B
N	90-230V 50/60Hz - Variable on/off footswitch with IEC connections	1430C
O	Spare receiver kit - Includes; 6 Ft tubing, 1.2-L autoclavable jar w/ lid, and two hydrophobic filters.	1475K-20
P	Ten replacement hydrophobic filters	1475K-21

7301 N. Central Avenue, Skokie, Illinois 60077, Phone: 847-676-8800

Fax: (Technical) 847-677-8606 (Ordering) 920-451-4397

E-mail: [welchvacuum@thomasind.com](mailto:welchvacuum@thomasind.com), web site [www.welchvacuum.com](http://www.welchvacuum.com)