



Diaphragm Vacuum Pump 7398000

Diaphragm Vacuum Pumps

The wetted parts of these pumps are Teflon-coated for corrosion resistance. Vacuum outlet is 1/2" OD. Select pump with an explosion-proof motor if using flammable solvents.

Catalog Number	Electrical Specifications	Vacuum mBar/in. Hg	Displacement Capacity (liters/minute)	Explosion-Proof	Shipping Weight (lbs./kg)
7914100	115V, 60 Hz, 3.3 amps	206/23.8	42	No	12/5.4
7914101*	220V, 50 Hz, 1.5 amps	206/23.8	35	No	12/5.4
7398000	115V, 60 Hz, 2.65 amps	35/28.9	68	No	24/5.4
7398001*	220/240, 50 Hz, 1.4/1.6 amps	35/28.9	57	No	24/5.4
7924800	115V, 60 Hz, 5.8 amps	206/23.8	42	Yes	60/26.2
7924801*	220V, 50 Hz, 3.1 amps	206/23.8	35	Yes	60/26.2

* International electrical configuration. Power cord has reverse IEC plug.



Rotary Vane Direct Drive Vacuum Pump 1472100

Rotary Vane Direct Drive Vacuum Pumps

These pumps are two-stage, oil-sealed and sliding-vane. The casing is cast aluminum. A one liter bottle of vacuum pump oil and two inlet adapters, 1/2" OD and 3/4" OD, are provided. **A Dry Ice Vacuum Trap is required (see below).**

Catalog Number	Electrical Specifications	Ultimate Vacuum (Total Pressure) mBar	Displacement Capacity at 60 Hz (liters/minute)	Shipping Weight (lbs./kg)
1472100	115V, 50/60 Hz, 4.6 amps	2 x 10 ⁻³	117	62/28.1
7739402*	230V, 50/60 Hz, 2.4 amps	2 x 10 ⁻³	117	65/29.5

* International electrical configuration. Power cord has reverse IEC plug.



Liquid Trap 7873400

Liquid Trap 7873400

Prevents liquid from entering the pump. Made of borosilicate glass. Trapping capacity is 2550 milliliters. **Required accessory for diaphragm pump when using high boiling point solvents.** Shipping weight 4 lbs. (1.8 kg).

Dry Ice Vacuum Traps

When dry ice and solvent are added to the well, these secondary traps cool to approximately -75° C (-103° F). Inlet and outlet vacuum connections are 1/2" OD.

Required accessory for the rotary vane pump.

Catalog Number	Dimensions (h x dia.)	Well volume of dry ice and alcohol (liters)	Ice trapping capacity (ml)	Liquid trapping capacity (liters)	Shipping Weight (lbs./kg)
7538200	9 3/4" x 7 7/8" (24.8 cm x 20 cm)	2.85	900	2	9/4.1
7538400	7 7/8" x 6 5/8" (20 cm x 16.8 cm)	1.80	200	1	5/2.3



Dry Ice Vacuum Trap 7538200

Chemical Traps

Connect between the accessory vacuum trap and rotary vane pump to provide additional protection to the pump.

Catalog Number	Trap Insert	Description	Shipping Weight (lbs./kg)
7815300	Clear Acrylic Canister with stand accommodates any trap insert listed below		5/2.3
7814800	Acid	Acid neutralizing desiccant	4/1.8
7814900	Moisture	Desiccant	4/1.8
7815000	Radioisotope	Molecular sieve	4/1.8
7815200	Solvent	Activated carbon	4/1.8
7995600	Ammonia	Impregnated carbon	4/1.8



Clear Canister 7815300 with Solvent Trap Insert 7815200

Vacuum Tubing Kit 7814500

For use when connecting accessory traps to a vacuum system. Includes two each 1/2" ID vacuum tubing, 48" length, and 4 tubing clamps. Shipping weight 6 lbs. (2.7 kg).