

Welch®

**OEM, Industrial & Refrigeration Catalog
2005-2006**

**Dry Rotary Vane Low Vacuum Pumps & Systems
Catalog Page 18**

ORDER ONLINE AT: www.cfpwarehouse.com or contact:

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Dry Rotary Vane Low Vacuum Pumps & Systems (Oil-Free)

Extended Life Graphite Vane Design

Economical, lightweight design

Suited For:

- Parts Handling
- Pick and Place Conveyor Lines
- Vacuum Chucking
- Case Set-Up
- Palletizers



8120B-01/8140B-01
Stand-alone Pump



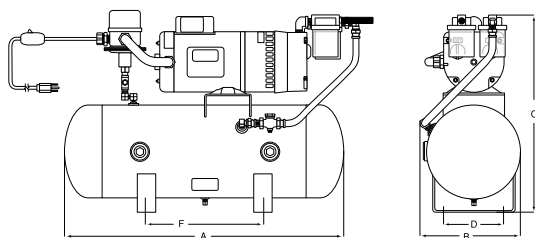
8140B-30/8170B-30
Tank Mounted Pump

Two Options Available:

Option A: Stand-alone pump comes ready to use out of the box with handle, hose barb, inlet trap, external exhaust muffler, line cord and switch.

Cat. No.	HP	Free Air Flow (SCFM) @ in. Hg, 60 Hz					
		0	5	10	15	20	25
8121B-01	1/3	3.2	2.6	2	1.4	0.8	0.2
8140B-01	1/3	4.6	3.8	2.9	2	1.2	0.3
8170B-01	3/4	10	8.1	6.2	4.4	2.5	0.8

Option B: Simplex tank mounted pump comes with ASME code receiver, vacuum gauge, exhaust muffler, built-in inlet and exhaust filter and manual shut-off valve. A three position switch allows for on/off continuous duty or automatic on/off at a set vacuum level.



Cat. No.	Dimensions, in. (cm)					Wt., Lbs (kg)
	A	B	C	D	F	
8140B-30	30(76.2)	10.8(27.4)	20.5(52.1)	6.75(17.1)	12.5(31.8)	79(35.9)
8170B-30	30(76.2)	10.8(27.4)	21.5(54.6)	6.75(17.1)	12.5(31.8)	100(45.5)

Specifications

Welch Model	8120	8140	8170
Free Air Displacement, CFM(L/min)	3.2(91)	4.6(130)	10.0(283)
Ultimate Pressure, Torr (mbar)	125(167)	100(133)	100(133)
Maximum Vacuum, in. Hg	25	26	26
Motor HP	1/3	1/3	3/4
Tubing, I.D. inch	1/4	1/4	7/16
Inlet Connection, in. FNPT	1/4	1/4	3/8
Outlet Connection, in. FNPT	1/4	1/4	3/8
Tank on Simplex, gal.	N/A	10	10
Weight, pump only, lbs.(kg)	34(15.4)	34(15.5)	54(24.5)
Dimensions of pump only LxWxH, in.	21.5 x 6.5 x 7	21.5 x 6.5 x 7	19.3 x 6.75 x 8.5
,cm	54.6 x 16.5 x 17.8	54.6 x 16.5 x 17.8	49 x 17.1 x 21.6
Shipping weight, pump only lbs.(kg)	42(19.1)	42(19.1)	60(27.3)

Ordering Information¹

Stand-alone Pump, 115V, 60Hz, 1 Ph	8120B-01	8140B-01	8170B-01
Tank Mounted Pump, 115V, 60Hz, 1 Ph	-----	8140B-30	8170B-30

Notes:

1. Supplied with 115V N. American plug.