

**Welch®**  
**Laboratory Vacuum Catalog**  
**2005-2006**

**Vacuum Oven**  
**Catalog Page 14**

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# Vacuum Oven

## Oil-Free Drying of Moist Samples



2581B-50

*"Did you know that the most common vacuum leak occurs at the hose reducer to the oven?"*

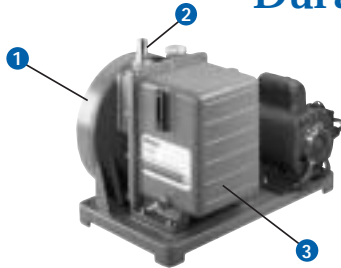
- 1 Ultimate to <5 Torr(6 mbar)
- 2 Lightweight, compact pump
- 3 Inlet liquid trap with vacuum regulator

### Oil-Free Operation For Reduced Maintenance

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

Note: Standard Duty Dry Pumps are not recommended for pumping organic, acidic and basic vapors.

## Durability At The Deepest Vacuum



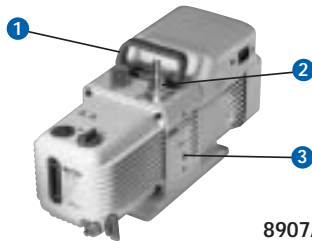
1402B-01

- 1 Low pump RPM for long service life
- 2 Ultimate <0.001 Torr(0.0013 mbar)
- 3 High contamination tolerance

### DUOSEAL® High Vacuum Pumps

DUOSEAL Vacuum Pumps are known for their ruggedness world-wide. These pumps have large oil reservoirs to dilute contaminants coupled with low pump RPM to reduce friction and wear. Pump can be ordered with an optional exhaust filter (see page 31) to control exhaust oil mist. Models 1400B-01, 1405B-01 and 1402B-01.

## Compact For Moving From Lab To Lab



8907A

- 1 Lightweight, compact pump
- 2 Ultimate <0.003 Torr(0.004 mbar)
- 3 Integral isolation valve

### Welch® Direct-Drive Vacuum Pumps

Welch Direct-Drive Vacuum Pumps are high performance pumps, but very portable. These pumps come with isolation devices integral to the pump to prevent oil and air contamination of your system in the event of a power failure. Pump can be ordered with an optional exhaust filter (see page 31) to control exhaust oil mist. Models 8905A, 8907A and 8912A.

Pump Selection Guide for Vacuum Ovens

Cat. No. 115V/60Hz <sup>1</sup>	Oven Size	NAPCO/Precision	VWRbrand	Fisherbrand	Lab-Line	Lindberg/BlueM
1400B-01, 8905A 2561B-50	0.6 ft <sup>3</sup> to 1.5ft <sup>3</sup>	51220166, 19	1400, 1410	280A, 281A	3608	3608, 3625, V0914
1405B-01, 8907A 2561B-50	2.5 ft <sup>3</sup> to 4.5ft <sup>3</sup>	1430	285A, 282A	3618, 3628	V01218	
1402B-01, 8912A 2581B-50	4.5 ft <sup>3</sup> to 9.0 ft <sup>3</sup>	1450	---	3618, 3618	V01824	

Note: 1. For other voltages, see pages 26 and 27 for DUOSEAL, pages 22 and 23 for DIRECTORR and pages 20 and 21 for Standard Duty Dry pumps.