

Welch®

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

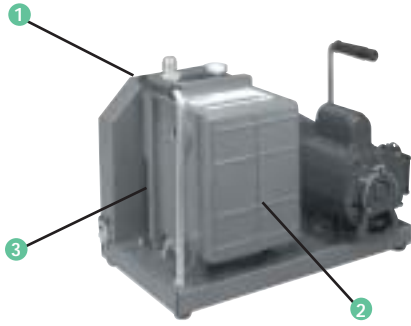
**Commercial & Industrial Refrigeration Service
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Commercial & Industrial Refrigeration Service

Handles Harsh Absorption Chiller Servicing



- 1 Low pump RPM
- 2 High contamination tolerance
- 3 Seals and gaskets for newest refrigerants

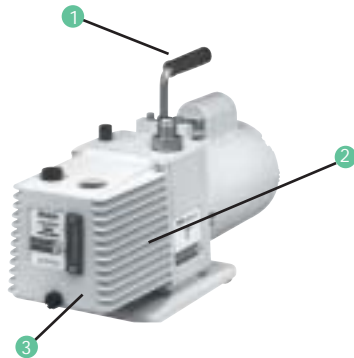
DUOSEAL® High Vacuum Pump

DUOSEAL belt-drive high vacuum pumps are known worldwide for ruggedness and dependability. These pumps have large oil reservoirs for their pumping capacity to dilute contaminants coupled with low pump RPM to reduce friction and wear.

| Cat. No. | Description ¹ |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1402B-46 | 5.6 CFM (160 L/min), 0.1 micron Hg (1 x 10 ⁻⁴ Torr, 1 x 10 ⁻⁴ mbar) 115V, 60Hz 1 Ph with carrying handles, 3/4 in. flare inlet fitting |
| 1376B-46 | 10.6 CFM (300 L/min), 0.1 micron Hg (1 x 10 ⁻⁴ Torr, 1.3 x 10 ⁻⁴ mbar) 115V, 60Hz 1 Ph, 3/4 in. flare inlet fitting |
| 1397B-46 | 17.7 CFM (500 L/min), 0.1 micron Hg (1 x 10 ⁻⁴ Torr, 1.3 x 10 ⁻⁴ mbar) 115V, 60Hz 1 Ph, 1-1/2 in. female NPT inlet fitting |

Note: 1. See pages 4-5 for more details.

Lightweight For Rooftop Jobs



- 1 Compact & lightweight
- 2 High pumping capacity
- 3 Seals and gaskets for newest refrigerants

Welch® Direct-Drive Vacuum Pump

Welch direct-drive high vacuum pumps are lightweight with high capacity to get you on and off your rooftop job fast.

| Cat. No. | Description ² |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8920A-46 | 7.7 CFM (218 L/min), 0.3 micron Hg (3 x 10 ⁻⁴ Torr, 4 x 10 ⁻⁴ mbar) 115V, 60Hz 1 Ph, 58.5 lbs. (26.6 kg), 3/4 in. flare inlet fitting |
| 8925A-46 | 11.3 CFM (320 L/min), 0.4 micron Hg (4 x 10 ⁻⁴ Torr, 5.3 x 10 ⁻⁴ mbar) 115V, 60Hz 1 Ph, 69 lbs. (31.3 kg), 3/4 in. flare inlet fitting |

Note: 1. See pages 2-3 for more details.

Pump Selection Guide For Refrigeration Service

| Application | Tonnage | Cat. No. | Pump Capabilities |
|------------------------------------|-----------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lithium Bromide Absorption Chiller | 100-500 | 1402B-46 | Handles harsh salt-laden water vapor. Withstands accidental ingestion of liquid. Recirculates clean fraction of pump oil. |
| | 500-1000 | 1402B-46, 1376B-46 | |
| | 1000-1500 | 1376B-46 | |
| Cold Storage | 10-50 | 1402B-46 | Handles long pumpdown time effectively. Handles high water vapor loads. Draws a very deep vacuum. |
| | 50-500 | 1402B-46, 1376B-46 | |
| | 500-1000 | 8920A-46, 8925A-46 1397B-46, 8925A-46 | |
| HCFC, CFC or Ammonia Chillers | 10-50 | 1402B-46 | Seals & gaskets won't break down in the presence of R-11, R-12, R-13, R-22, R-113, R-123, R-114, R-502, R-503 or ammonia. Draws a very deep vacuum. Handles high water vapor loads. |
| | 50-500 | 1402B-46, 1376B-46 | |
| | 500-1000 | 8920A-46, 8925A-46 1397B-46, 8925A-46 | |