

Welch®

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

**Vacuum Regulators, Vacuum Gauges
Service Kits**

Catalog Pages 29-30

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Vacuum Regulators, Vacuum Gauges & Service Kits

Vacuum Regulators



1422A Bench Mount



1421 & 1421D Pump Mount

| PUMP MODEL | CAT. NO. |
|--|----------|
| 2010, 2012, 2022, 2030, 2015, 2017 2021, 2031, 2561, 2567, 2581, 2585 | 1422A |
| 2012, 2022, 2030, 2015 2017, 2010, 2021, 2031 | 1421D |
| 8890 | 1421 |

Model 1422A connects to pump intake via hose for easy regulation of vacuum level. Position on bench top. Corrosion resistant construction. Requires 1/4 in. (7 mm) ID hose (cat. no. 331030-5).

Model 1421 & 1421D replaces inlet barb and allows easy regulation of vacuum level. Includes an easy to read dial gauge. Cat. No. 1421D-All stainless steel construction. Cat. No. 1421-Brass Construction.

CAUTION: Do not use with DUOSEAL®, CHEMSTAR® or Direct-Drive pumps.

Dial Pressure & Vacuum Gauge



| Dial Diameter | Units of Measure | Connection | CAT. NO. |
|---------------|-------------------------|---------------|----------|
| 2 in. O.D. | in. Hg, cm Hg (Brass) | 1/8" male NPT | 726021 |
| 2 in. O.D. | Pascal (Brass) | 1/8" male NPT | 726022 |
| 2.5 in. O.D. | in. Hg, mm Hg (Brass) | 1/4" male NPT | 726020 |
| 2 in. O.D. | in. Hg, kPa (Stainless) | 1/8" male NPT | 726023 |
| 2 in. O.D. | mbar/kPa (Brass) | 1/8" male NPT | 726024 |
| 2 in. O.D. | psi/kgsm | 1/8" male NPT | 726025 |
| 2 in. O.D. | kPa/psi | 1/8" male NPT | 726026 |

Inexpensive gauge for measuring vacuum level. Not an absolute pressure gauge. Gauge uses atmospheric pressure as reference.

Thermocouple Vacuum Gauges



- Vacuum measurement to low millitorr (micron) range
- Rugged, reliable thermocouple gauge sensor tube

Gauges provide an accurate, reliable measurement of vacuum. Self-contained gauges with solid-state electronics for rapid response time, long life and low maintenance. Come with 0 to 10 VDC recorder output. The gauge sensor tubes are designed to assure maximum sensitivity over the entire vacuum range. Gauge sensor tube connected to system via 1/8" NPT thread. Each gauge comes with one sensor tube and one cable. Dimensions of 7" L x 5" D x 5.6" H (17.8 x 12.7 x 14.1); Weight 2 lbs(0.9 kg).

| Gauge CAT. NO. | Range(millitorr) | Voltage | Protective Trap CAT. NO. | Replacement Sensor Tube CAT. NO. |
|----------------|------------------|-----------------|--------------------------|----------------------------------|
| 1515 | 0 to 5000 | 115V, 60Hz 1 Ph | 1515B | 1515A |

Standard Duty Dry Piston Pump Kits



| Pump Model | Kit No. | Description |
|----------------------------|--|--|
| 2522 | 2522K-01 2522K-03 | Service Kit One Head Service Kit, 2522 |
| 2534 | 2534K-01 2534K-03 | Service Kit One Head Service Kit, 2534 |
| 2546 | 2546K-01 2546K-03 | Service Kit One Head Service Kit, 2545 |
| 2522, 2534, 2545, 2546 | 2522K-04 2522K-05 2522K-06 2522K-07 2522K-08 2522K-09 | Seal Service Kit Vacuum Reg Kit, in. Hg/cm Hg Pressure Reg Kit, kPa/psi Vacuum Reg Kit, kPa/mbar Vacuum Reg Kit, kPa/in. Hg Pressure Reg Kit, psi/cm Hg |
| 2580, 2585 | 2585K-01 2585K-02 2585K-03 2585K-04 | Connecting Rod Assembly Valve Plate Assembly Two Head Service Kit, 2585 Seal Service Kit, 2585 |
| 2562/2567 | 2567K-03 2567K-04 | Two Head Service Kit, 2562 Seal Service Kit, 2562 |
| 2561 | 2561K-03 2561K-04 | Two Head Service Kit, 2561 Seal Service Kit, 2561 |
| 2581 | 2581K-03 2581K-04 | Two Head Service Kit, 2581 Seal Service Kit, 2581 |
| All Models WOB-L® Dry Pump | 2500K-04 | Service Kit for Feet |

Service Kits

Chemical Duty Dry PTFE Diaphragm Pumps



| Pump Model | Kit No. | Description |
|------------------|----------------------------------|--|
| 2010 | 2010K-01 | One head service kit |
| 2012, 2015, 2022 | 2022K-01 2025K-01 | One head service kit, S/N <EG040000 One head service kit, S/N >EG050000 |
| 2016, 2024, 2030 | 2025K-01 | One head service kit |
| 202501 | 2025K-01 2025K-02 2025K-06 | One head service kit Tubing service kit for 202501, S/N <EC091299 Tubing service kit for 202501, S/N >EC091300 |
| 2021, 2031 | 2027K-01 | One head service kit |
| 202601, 202701 | 2027K-01 2025K-06 | One head service kit Tubing service kit |

Diaphragm Pumps



| Pump Model | Kit No. | Description |
|------------|----------------------|---|
| 8111 | 8111K-01 | Two head diaphragm and valve kit |
| 2085, 2090 | 2090K-01 2090K-02 | One head diaphragm kit Valve plate service kit |

DUOSEAL® Vacuum Pumps



| Pump Model | Kit No. | Description |
|------------|----------------------|--|
| 1400 | 1400K-03 1400K-04 | Minor repair kit, 1400 Major repair kit, 1400 |
| 1402 | 1402K-05 1402K-06 | Minor repair kit, 1402 Major repair kit, 1402 |
| 1405 | 1405K-05 1405K-06 | Minor repair kit, 1405 Major repair kit, 1405 |
| 1376 | 1376K-05 1376K-06 | Minor repair kit, 1376 Major repair kit, 1376 |
| 1397, 1374 | 1397K-07 1397K-08 | Minor repair kit, 1397 & 1374 Major repair kit, 1397 & 1374 |
| 1399 | 1399K-03 1399K-04 | Minor repair kit, 1399 Major repair kit, 1399 |
| 1373 | 1373K-05 1373K-06 | Minor repair kit, 1373 Major repair kit, 1373 |

CHEMSTAR® Vacuum Pumps



| Pump Model | Kit No. | Description |
|------------|----------------------|--|
| 1400N | 1400K-09 1400K-10 | Minor repair kit, Chemstar 1400N Major repair kit, Chemstar 1400N |
| 1402N | 1402K-09 1402K-10 | Minor repair kit, Chemstar 1402N Major repair kit, Chemstar 1402N |
| 1376N | 1376K-09 1376K-10 | Minor repair kit, Chemstar 1376N Major repair kit, Chemstar 1376N |

Direct-Drive Vacuum Pumps



| Pump Model | Kit No. | Description |
|------------------|----------------------|---|
| 8890 | 8890K-02 | Minor repair kit, 8890 |
| 8905 | 8905K-02 8905K-03 | Minor repair kit, 8905 Shaft seal repair kit, 8905 |
| 8907, 8912, 8917 | 8917K-04 8917K-05 | Minor repair kit, 8907, 8912, 8917 Shaft seal repair kit, 8917 |
| 8920 | 8915K-02 | Minor repair kit, 8920 |
| 8925 | 8925K-02 | Minor repair kit 8925 |