

Standard Duty Dry Vacuum Pumps | WOB-L Piston



**Model
2511**



**Models
2522 / 2534**



**Model
2546**



**Models
2567 / 2561**



**Model
2562B-01**



| Specifications | | Vacuum/Pressure Pumps | | | | |
|---|---------------------------------|--------------------------------|--------------------------------|------------------------------|-----------------------------------|--|
| Welch Model | 2511 | 2522 | 2534 | 2546 | 2561 | |
| Free Air Displacement | | | | | | |
| cfm (l/min.)@60Hz | 0.39(11) | 0.76(22) | 1.2(34) | 1.6(45) | 2.3(65) | |
| m ³ /hr (l/min.)@50Hz | 0.55(9.2) | 1.1(18) | 1.7(28) | 2.3(38) | 3.4(57) | |
| Ult. Vac. Pressure, torr(mbar) | 219(292) | 100(133) | 70(93) | 60(80) | 5(6.7) | |
| Max Pressure PSIG(pascal) | 33(3.3 x 105) | 100(106) | 50(5 x 105) | 100(106) | --- | |
| Maximum Vacuum, in. Hg | 21.3 | 26 | 27.2 | 27.6 | 29.8 | |
| Motor Horsepower(watts) | 1/30(25) | 1/8(93) | 1/8(93) | 1/4(190) | 1/3(250) | |
| Tubing Needed, I.D. in.(mm) | 3/16(5) | 3/16(5) | 3/16(5) | 3/16(5) | 1/4(7) | |
| Intake/Exhaust Thread NPT | 3/16 in. Hose | 1/4 | 1/4 | 1/4 | 1/4 | |
| Weight lbs.(kg) | 5(2.3) | 11.7(5.3) | 11.7(5.3) | 13.8(6.3) | 16.5(7.5) | |
| Overall Dimensions L x W x H in.(cm) | 7.6x4.5x7.5 (19.4x11.4x19.1) | 8.1x8.8x10 (20.6x22.4x25.4) | 8.1x8.8x10 (20.6x22.4x25.4) | 10x7.5x9 (25.4x19.1x7.7) | 17.3x6.5x10.5 (43.9x16.5x26.7) | |
| Ship Weight, lbs.(kg) | 6(2.7) | 17(7.7) | 17(7.7) | 17(7.7) | 24(10.9) | |
| Shipping Carton Dimensions L x W x H in.(cm) | 11x7x8.3 (28x18x21) | 15.3x12.3x12.7 (39x31x32) | 15.3x12.3x12.7 (39x31x32) | 15.3x12.3x12.7 (39x31x32) | 21x12x15 (53x30x38) | |

| Ordering Information | | 2511B-01 ³ | 2522B-01 ⁴ | 2534B-01 ⁴ | 2546B-01 ⁴ | 2561B-50 |
|---|--|-------------------------|-------------------------|---------------------------|---------------------------|-------------------------|
| Wired for 115V, 60Hz, 1 Ph with N. American 115V Plug | | | | | | |
| Wired for 230V, 60Hz, 1 Ph with N. American 230V Plug | | --- | 2522C-01 ⁴ | 2534C-01 ^{4,7} | 2546C-01 ^{4,7} | --- |
| Wired for 230V, 50Hz, 1 Ph2. with Cont. Euro.(Schuko) Plug | | 2511C-02 ³ | 2522C-02 ^{4,6} | 2534C-02 ^{4,6,7} | 2546C-02 ^{4,6,7} | 2561C-50 ^{6,7} |
| Wired for 100V, 50/60Hz, 1 Ph with a plug | | 2511C-05 ^{3,5} | 2522C-05 ^{4,5} | --- | --- | 2561C-56 |

Applications

| | page |
|------------------------------|----------|
| 1. Vacuum Filtration | 16, 17 |
| 2. Vacuum Oven / Desiccation | 15 |
| 3. Aspiration / Automation | 8, 9, 18 |
| 4. Cell Culture | 8, 9 |
| 5. Glove Box | 14 |
| 6. Vacuum Chamber / Roughing | 22 |

Vacuum/Pressure Standard Duty Dry Vacuum Pumps

- Ultimate to <5 torr(6mbar)
- Lightweight, compact pump
- 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 (except 2511 and 2562).

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



**Model
2585B-01**

Standard Duty Dry Vacuum Pumps | WOB-L Piston, GEMINI



**Models
2585 / 2581**



**Model
2511B-75**



**Model
2515B-75**



**Model
2050**



**Model
2060**

| Standard Duty Vacuum Pumps | | | | Aspiration/Filtration Systems | | GEMINI | |
|---------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------------|---------------------------------|---------------------------------|-----------------------------------|
| 2562 | 2567 | 2581 | 2585 | 2511 | 2515 | 2050 | 2060 |
| 2.3(65) | 3.5(100) | 3.5(100) | 7.1(201) | 0.39(11) | 1.2(34) | 0.3(13) | 0.46(13) |
| 3.4(57) | 4.9(83) | 4.9(83) | 10(168) | 0.55(9.2) | 1.7(28) | --- | --- |
| 7.5(10) | 60(80) | 5(6.7) | 60(80) | 219(292) | 70(93) | 190(256) | 200(266) |
| --- | --- | --- | --- | 33(3.3 x 105) | --- | --- | --- |
| 29.6 | 27.6 | 29.8 | 27.6 | 21.3 | 27.2 | 22.4 | 22.0 |
| 1/3(250) | 1/3(250) | 1/3(250) | 1/3(250) | 1/30(25) | 1/8(93) | --- | --- |
| 3/8(10) | 1/4(7) | 1/4(7) | 1/4(7) | 3/16(5) | 3/16(5) | 3/8(10) | 3/8(10) |
| 3/8 | 1/4 | 1/4 | 1/4 | 3/16 in. Hose | 1/4 | --- | --- |
| 16.5(7.5) | 16.5(7.5) | 24.5(11.1) | 24.5(11.1) | 5.7(2.6) | 13.2(6.0) | 5.3(2.4) | 11(6) |
| 17.0x7.5x12 (43.2x19.1x30.5) | 15.0x10x10 (38.1x25.4x25.4) | 17x7.5x12 (43.2x42.3x19.1) | 17x7.5x12 (43.2x42.3x19.1) | 11.0x8.3x10.0 (28x21x25.5) | 14.8x8.3x10.0 (37.5x21x25.5) | 7.6x4.5x7.5 (19.4x11.4x19.1) | 9.25x7.25x8.5 (23.5x18.4x21.6) |
| 24(10.9) | 24(10.9) | 32(14.5) | 32(14.5) | 11.0(5) | 14.8(6.7) | 7(3.2) | 13(2.9) |
| 21.5x12.5x16 (55x32x31) | 21x12x15 (53x30x38) | 21x12x15 (53x30x38) | 21x12x15 (53x30x38) | 15.3x12.3x12.7 (39x31x32) | 21x12x15 (53x30x38) | 15.3x12.3x12.7 (39x31x32) | 21x12x15 (53x30x38) |
| 2562B-01 | 2567B-50 | 2581B-50 | 2585B-50 | 2511B-75 | 2515B-75 | 2050B-01 ⁸ | 2060B-01 ⁸ |
| --- | --- | --- | --- | --- | --- | --- | --- |
| --- | 2567C-50 ^{6,7} | 2581C-50 ^{6,7} | 2585C-50 ^{6,7} | 2511C-75 ^{6,7} | 2515C-75 ^{6,7} | 2050C-02 ² | 2060C-02 ² |
| --- | --- | --- | --- | 2511C-76 ⁵ | 2515C-76 | --- | --- |

Notes:

- All models are recommended for pumping vapors of aqueous solutions including buffers but not for acidic, basic or organic vapors or gases.
- Units supplied with CE marking.
- Model 2511 can deliver 33 PSIG (3.3 x 10⁵ pascal).
- Models 2522, 2534 and 2546 come with vacuum (and pressure) regulator, vacuum (and pressure) gauge, silencer and water trap. Models 2522 and 2546 can deliver 100 PSIG (10⁶ pascal). Model 2534 can deliver 50 PSIG (5 x 10⁵ pascal).
- Comes with PSE mark.
- Included is UK and Schuko cord sets.
- Motor can operate at 230V, 50/60Hz, 1Ph.
- Models 2050B-01 and 2060B-01 include N. America, UK and Schuko power plug adapters for use in non-CE countries which require UK or Schuko plugs.

Aspiration / Filtration Systems

Systems collect waste into 1.2 Liter autoclaveable reservoir. Both models enable vacuum measurement and regulation. Reservoirs are protected from overflow by float valve; inlet line hydrophobic filter further protects pump. Includes 6 ft. tubing and 2 filters. *See p. 8 & 9 for more information and handy accessories.*

GEMINI Vacuum Pumps

These go-anywhere diaphragm vacuum pumps are powered by 12V DC motors. Comes with 12V adapter for auto / truck power source and 120VAC adapter for lab usage. Model 2060 has gauge / vacuum adjustment knob.

For a Complete System

| Component | page |
|-------------------------------|--------|
| • Traps | 39 |
| • Inlet / Exhaust Accessories | 39, 40 |
| • Fittings / Hose | 37, 38 |
| • Gauges | 41 |
| • Regulators / Controllers | 42, 43 |
| • Service Kits | 44 |



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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