

- Plated Brass Manifold and Valve Caps
- Heat Treated Crankshaft
- Stainless Steel Piston Guides and Check Valves
- NEW **ChemWall** Seals for Car Wash Applications
- Industrial Quality Tapered Roller Bearings
- Solid Ceramic Plungers
- 15.4 oz. Capacity Vented Oil Bath Crank Case
- 1/2" BSP-F Inlet. 3/8" BSP-F Outlet
- Max Fluid Temp, 170°F

Main **ChemWall** Seal Advantages:

- Special coated stainless steel shell.
- Rigid design resists collapsing due to chemical and high temperature exposure.
- Greater resistance to aggressive chemicals including wheel cleaner concentrates.
- Longer Seal Life - Up to 10x times that of standard seals, reducing maintenance and down time.

BCW Series 24mm Keyed Solid Shaft Plunger Pumps

BCW Series car wash plunger pumps include a range of models with flow rates from 2.9 to 5.5 GPM and pressures up to 2900 PSI. Pumps are available in 1000 and 1450 RPM configurations

These pumps are designed and engineered specifically to meet the demands of car wash applications. They feature plated brass manifolds and valve caps, and high-temperature **ChemWall** seals rated to 170° F.

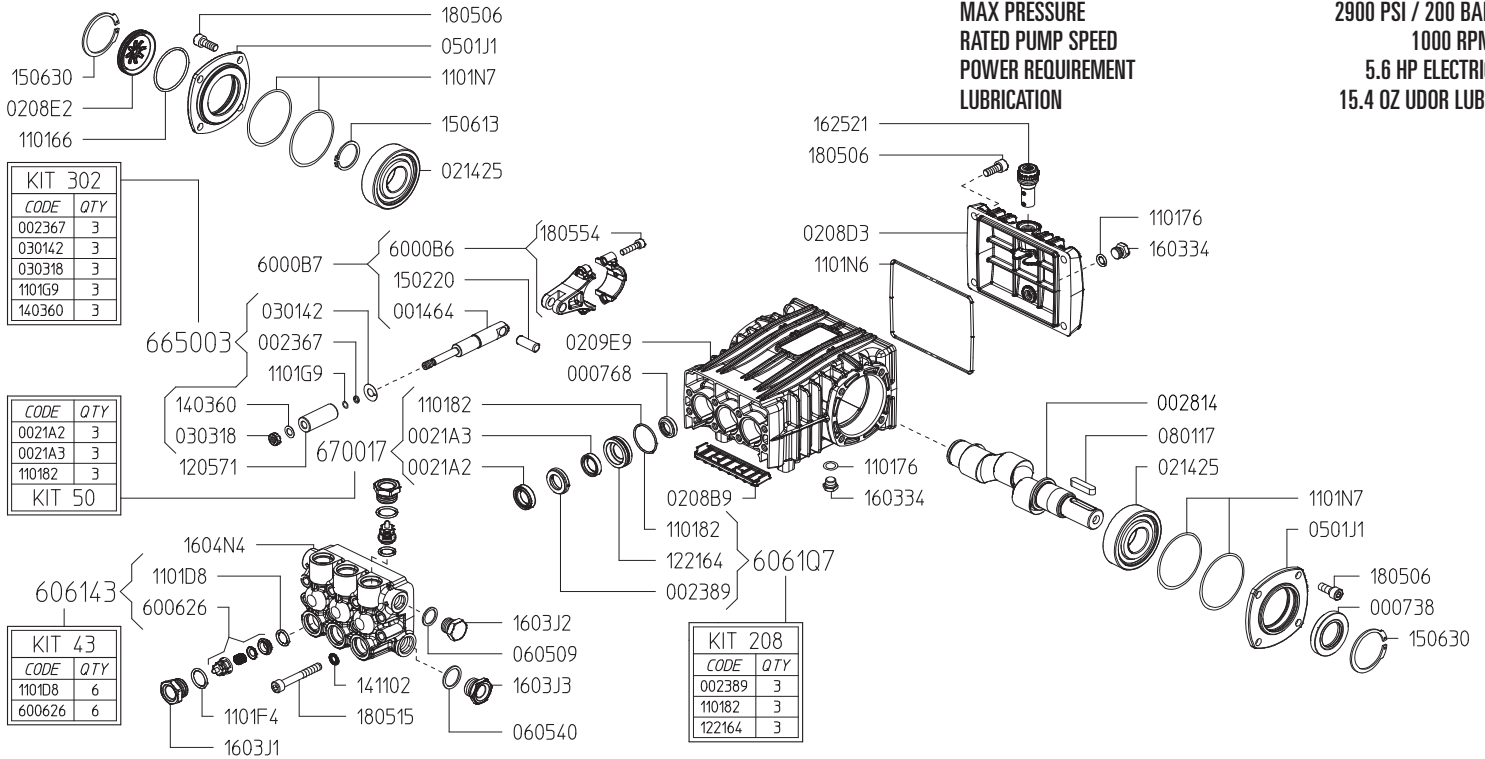
| | Model | Flow | | Pressure | | Plunger Dia. | Crankshaft | | Power | Seal Kit | Valve Kit | Wt. |
|----------|--------------|---|-------|----------|-----|--------------|------------|------|-----------|----------|-----------|--------|
| | | GPM | l/min | PSI | bar | | Stroke | Code | | | | |
| 1000 RPM | BCWB 11/20 S | 2.9 | 11.0 | 2900 | 200 | 18mm | 11.5mm | R | 5.6 EBHP | 6061.Z3 | 6061.43 | 20 lbs |
| | BCWB 13/20 S | 3.4 | 13.0 | 2900 | 200 | 18mm | 14.5mm | I | 6.7 EBHP | 6061.Z3 | 6061.43 | 20 lbs |
| | BCWB 15/20 S | 4.0 | 15.0 | 2900 | 200 | 18mm | 18.0mm | 9 | 7.7 EBHP | 6061.Z3 | 6061.43 | 20 lbs |
| 1450 RPM | BCWC 11/20 S | 2.9 | 11.0 | 2900 | 200 | 18mm | 10.5mm | O | 5.6 EBHP | 6061.Z3 | 6061.43 | 20 lbs |
| | BCWC 13/20 S | 3.4 | 13.0 | 2900 | 200 | 18mm | 11.5mm | R | 6.7 EBHP | 6061.Z3 | 6061.43 | 20 lbs |
| | BCWC 15/20 S | 4.0 | 15.0 | 2900 | 200 | 18mm | 14.5mm | I | 7.7 EBHP | 6061.Z3 | 6061.43 | 20 lbs |
| | BCWC 18/20 S | 4.9 | 18.5 | 2900 | 200 | 18mm | 18.0mm | 9 | 9.5 EBHP | 6061.Z3 | 6061.43 | 20 lbs |
| | BCWC 21/20 S | 5.5 | 21.0 | 2900 | 200 | 18mm | 19.0mm | Y | 10.8 EBHP | 6061.Z3 | 6061.43 | 20 lbs |
| Rail Kit | 8702.10 | Standard 7/8" Rail Kit for B Series Solid Shaft Pumps | | | | | | | | | | |

NOTE: All pump models available with left-hand drive option. Add 'L' to model number when ordering (ex. BCWC 21/20 SL)



MAX FLOW
MAX PRESSURE
RATED PUMP SPEED
POWER REQUIREMENT
LUBRICATION

2.9 GPM / 11.0 L/MIN
2900 PSI / 200 BAR
1000 RPM
5.6 HP ELECTRIC
15.4 OZ UDOR LUBE



Revised 12-16-2025

| Part # | Description | Qty | Part # | Description | Qty |
|---------|---------------------------------------|-----|---------|--|-----|
| 0007.38 | OIL SEAL D30 | 1 | 1221.64 | PRESSURE RING D18 "B/BK" ^D | 3 |
| 0007.68 | OIL SEAL D15 | 3 | 1403.60 | WASHER D8 ^C | 3 |
| 0014.64 | PLUNGER GUIDE "B/BK" | 3 | 1411.01 | SERATED WASHER D6 | 6 |
| 0021.A2 | WATER SEAL HP D18 ^B | 3 | 1411.02 | SERATED WASHER D8 | 8 |
| 0021.A3 | WATER SEAL LP D18 ^B | 3 | 1502.20 | PIN D10X27 | 3 |
| 0023.67 | RING D5.2X8X1.3 ^C | 3 | 1506.09 | SNAP RING D52 | 2 |
| 0023.89 | UPPER RING D18 "B/BK" ^D | 3 | 1506.13 | SNAP RING D30 | 1 |
| 0028.14 | MALE SHAFT "B/BK" D24 | 1 | 1603.34 | PLUG G1/4 | 2 |
| 0208.B8 | OIL SIGHT GLASS | 1 | 1603.J1 | VALVE PLUG D15/18/20 | 6 |
| 0208.B9 | COVER "B/BK" | 1 | 1603.J2 | PLUG G3/8 | 1 |
| 0208.D3 | BACK COVER "B/BK" | 1 | 1603.J3 | PLUG G1/2 | 1 |
| 0209.E9 | CRANKCASE "BCW" | 1 | 1604.N4 | HEAD "BCW" | 1 |
| 0214.25 | BEARING D30 | 2 | 1625.21 | OIL PLUG G3/8 | 1 |
| 0301.42 | SLINGER RING ^C | 3 | 1805.06 | ALLEN BOLT M8X20 | 12 |
| 0303.18 | NUT M8XH5 ^C | 3 | 1805.15 | ALLEN BOLT M8X60 | 8 |
| 0501.J1 | BEARING FLANGE "BCW" | 2 | 1805.19 | ALLEN BOLT M6X25 | 6 |
| 0605.09 | GASKET D17X23X1.5 | 1 | 6000.B6 | CONNECTING ROD "B/BK" | 3 |
| 0605.40 | GASKET D21.5X27X1.5 | 1 | 6000.B7 | COMPLETE CONNECTING ROD ASS'Y "B/BK" | 3 |
| 0801.17 | KEY A8X7X35 | 1 | 6006.26 | VALVE ASSEMBLY WITHOUT O-RING ^A | 6 |
| 1101.66 | O-RING - OIL SIGHT GLASS | 1 | 6017.N5 | COMPLETE MANIFOLD ASSEMBLY | 1 |
| 1101.76 | O-RING - PLUG | 2 | 6061.43 | KIT 43 - VALVE KIT | 1 |
| 1101.82 | O-RING - PRESSURE RING ^{B D} | 3 | 6061.Q7 | KIT 208 - BRASS RING KIT D18 "B/BK" | 1 |
| 1101.D8 | O-RING - VALVE ^A | 6 | 6650.03 | KIT 302 - PLUNGER KIT D15/18 "B/BK" | 1 |
| 1101.F4 | O-RING - VALVE PLUG | 6 | 6700.17 | KIT 50 - WATER SEAL KIT | 1 |
| 1101.G9 | O-RING - PLUNGER ROD ^C | 3 | | | |
| 1101.N6 | O-RING - BACK COVER | 1 | | | |
| 1101.N7 | O-RING - BEARING FLANGE | 4 | | | |
| 1205.71 | CERAMIC PLUNGER D18 "B/BK" | 3 | | | |

^A Parts in 6061.43 (Kit 43).
^B Parts in 6700.17 (Kit 50).
^C Parts in 6650.03 (Kit 302).
^D Parts in 6061.Q7 (Kit 208).

