

SOUTHERN CROSS CBI AUTOMATIC WATER PRESSURE SYSTEMS

304 STAINLESS STEEL PUMPS FOR AUTOMATIC WATER PRESSURE BOOSTING



FEATURES

Easy installation and operation.

Supplied with either an anti-corrosion pressure tank with butyl diaphragm or electronic hydraulic controller.

All 304 grade stainless steel pump construction.

Supplied with sturdy stainless steel mounting foot.

Brass suction line check valve supplied.

Screwed suction and discharge connections:

CBI-2 ... 25mm (1" BSPF)
CBI-4 ... 32mm (1 1/4" BSPF)
x 25mm (1" BSPF)

High quality mechanical shaft seal.

TEFC motor, 2800 rpm, 240V single phase, IP54 enclosure.

Supplied with 1.8m lead and 3 pin plug.

Simple repair, servicing, maintenance and parts replacement.

APPLICATIONS

Domestic
Agricultural
Light Industrial
Pressure Boosting
Heating and Cooling Systems
Potable Water Supply

PUMP CONSTRUCTION MATERIALS

| | |
|-----------------------|------------|
| Suction Chamber | 304SS |
| Pump Housing | 304SS |
| Intermediate Chamber | 304SS |
| Impeller | 304SS |
| Shaft | 304SS |
| Shaft Seal | SiC/Carbon |
| Drain & Priming Plugs | 304SS |
| Base Plate | 304SS |
| Check Valve | Brass |

OPERATING LIMITS

| | |
|--------------------|-------------------|
| Capacity | Maximum 130 l/min |
| Max. Pressure | 550kPa (80psi) |
| Liquid Temp. | +4°C to +40°C |
| Max. Ambient Temp. | +40°C |
| Pumped Liquid | Clean Water |

PERFORMANCE

| Model | Motor (Watts) | Full Load Amps | Pump Stages | Discharge Pressure (kPA/psi) | | | | | | | Tank Size | Tank Draw-off (litres) | Max no. Taps @ 22 psi |
|----------------------------|---------------|----------------|-------------|------------------------------|--------|--------|--------|--------|--------|--------|-----------|------------------------|-----------------------|
| | | | | 150/22 | 200-29 | 250/36 | 300/44 | 350-51 | 400/58 | 450/65 | | | |
| | | | | Output (litres/min) | | | | | | | | | |
| Presscontrol Units | | | | | | | | | | | | | |
| CBI 2-30PC15 | 480 | 2.3 | 3 | 47 | 35 | 22 | - | - | - | - | - | - | 4 |
| CBI 2-40PC15 | 570 | 2.6 | 4 | 54 | 46 | 39 | 27 | 15 | - | - | - | - | 4.5 |
| CBI 2-50PC15 | 680 | 3.2 | 5 | 58 | 53 | 48 | 40 | 32 | 22 | - | - | - | 4.5 |
| CBI 2-60PC22 | 810 | 3.7 | 6 | 61 | 57 | 52 | 48 | 42 | 36 | 29 | - | - | 5 |
| CBI 4-40PC15 | 1020 | 4.3 | 4 | 75 | 60 | 42 | 25 | - | - | - | - | - | 6 |
| CBI 4-50PC22 | 1220 | 5.4 | 5 | 94 | 84 | 71 | 57 | 40 | 24 | - | - | - | 7.5 |
| CBI 4-60PC22 | 1450 | 6.2 | 6 | 102 | 92 | 84 | 72 | 59 | 46 | 32 | - | - | 8.5 |
| Pressure Tank Units | | | | | | | | | | | | | |
| CBI 2-30PT8 | 480 | 2.3 | 3 | 52 | 39 | 23 | - | - | - | - | 8 | 2.5 | 4 |
| CBI 2-40PT18 | 570 | 2.6 | 4 | 59 | 53 | 42 | 31 | 14 | - | - | 18 | 5.5 | 4.5 |
| CBI 2-50PT18 | 680 | 3.2 | 5 | 60 | 57 | 51 | 43 | 35 | 23 | - | 18 | 5.5 | 5 |
| CBI 2-60PT18 | 810 | 3.7 | 6 | 62 | 60 | 57 | 52 | 45 | 38 | 30 | 18 | 5.5 | 5 |
| CBI 4-40PT18 | 1020 | 4.3 | 4 | 105 | 80 | 53 | 29 | - | - | - | 18 | 5.5 | 9 |
| CBI 4-50PT18 | 1220 | 5.4 | 5 | 126 | 110 | 92 | 72 | 50 | 24 | - | 18 | 5.5 | 10.5 |
| CBI 4-60PT18 | 1450 | 6.2 | 6 | 132 | 120 | 105 | 90 | 73 | 54 | 33 | 18 | 5.5 | 11 |

DIMENSIONS

| Model | Length (mm) | Width (mm) | Height (mm) | Weight (kg) |
|----------------------------|-------------|------------|-------------|-------------|
| Presscontrol Units | | | | |
| CBI 2-30PC15 | 325 | 204 | 320 | 13.4 |
| CBI 2-40PC15 | 343 | 204 | 320 | 13.6 |
| CBI 2-50PC15 | 361 | 204 | 320 | 13.9 |
| CBI 2-60PC22 | 419 | 204 | 320 | 14.1 |
| CBI 4-40PC15 | 413 | 204 | 320 | 14.6 |
| CBI 4-50PC22 | 441 | 204 | 320 | 15.7 |
| CBI 4-60PC22 | 469 | 204 | 320 | 16.6 |
| Pressure Tank Units | | | | |
| CBI 2-30PT8 | 325 | 239 | 530 | 14.0 |
| CBI 2-40PT18 | 343 | 275 | 595 | 15.6 |
| CBI 2-50PT18 | 361 | 275 | 595 | 15.9 |
| CBI 2-60PT18 | 419 | 275 | 595 | 16.1 |
| CBI 4-40PT18 | 413 | 275 | 595 | 16.6 |
| CBI 4-50PT18 | 441 | 275 | 595 | 17.7 |
| CBI 4-60PT18 | 469 | 275 | 595 | 18.6 |



PENTAIR SOUTHERN CROSS

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