



# Sea Water Reverse Osmosis/ Desalination Products

Corrosion-Resistant Products for Superior Life and Dependability



Product Quality, Reliability and Support You Expect

[www.catpumps.com](http://www.catpumps.com)

# Corrosion-Resistant Industrial Pumps and Accessories

Field-proven dependability, long life, low maintenance

## Industry Leading Value

With over 47 years of experience in the Reverse Osmosis/Desalination industry, Cat Pumps® has developed a reputation as the industry leader in high-pressure positive-displacement pumps. Our extensive line of 316 and Duplex stainless steel pumps offer unsurpassed corrosion-resistance, strength and long life, even in the harshest environments. Our positive displacement design offers 85-95% efficiency. Our pump design also provide easy field service requiring only standard tools, with parts available worldwide. With field-proven dependability in hundreds of applications around the globe, Cat Pumps provides the best value in the industry.

## Small Marine Systems (0.5 to 20 gpm, 1.9 to 75.7 lpm)

Our compact, lightweight models are an ideal fit for small pleasure craft and portable units. Compact Direct Drive Models are available to meet small footprint demands and emit low noise levels. Motor-Pump units are also available by request.

| Pump Model                 | Flow |      | Pressure |     | Manifold Material | rpm  | hp*  | kW   |
|----------------------------|------|------|----------|-----|-------------------|------|------|------|
|                            | gpm  | lpm  | psi      | bar |                   |      |      |      |
| <b>Direct Drive</b>        |      |      |          |     |                   |      |      |      |
| <b>316 Stainless Steel</b> |      |      |          |     |                   |      |      |      |
| 2SF05SEEL                  | 0.5  | 1.9  | 1200     | 83  | SS                | 1725 | 0.4  | 0.3  |
| 2SF10SEEL                  | 1    | 3.8  | 1200     | 83  | SS                | 1725 | 0.8  | 0.6  |
| 2SF15SEEL                  | 1.5  | 5.7  | 1200     | 83  | SS                | 1725 | 1.2  | 0.9  |
| 2SF22SEEL                  | 2.2  | 8.3  | 1200     | 83  | SS                | 1725 | 1.8  | 1.3  |
| 3CP1231                    | 2.3  | 8.7  | 2000     | 138 | SS                | 1725 | 3.2  | 2.4  |
| 231                        | 2.3  | 8.7  | 1500     | 103 | SS                | 1725 | 2.4  | 1.8  |
| 2SF25SEEL                  | 2.5  | 9.5  | 1200     | 83  | SS                | 1725 | 2.1  | 1.5  |
| 2SF29SEEL                  | 2.85 | 10.8 | 1200     | 83  | SS                | 1725 | 2.3  | 1.7  |
| 2SF35SEEL                  | 3.5  | 13.2 | 1200     | 83  | SS                | 1725 | 2.9  | 2.1  |
| 3CP1241                    | 3.6  | 13.6 | 2000     | 138 | SS                | 1725 | 4.9  | 3.7  |
| 241                        | 3.6  | 13.6 | 1200     | 83  | SS                | 1725 | 3.0  | 2.2  |
| 5CP6241CS                  | 4    | 15.1 | 2000     | 138 | SS                | 1725 | 5.5  | 4.1  |
| 341                        | 4    | 15.1 | 1800     | 124 | SS                | 1725 | 4.9  | 3.7  |
| 3CP1221                    | 4.2  | 15.9 | 2000     | 138 | SS                | 1725 | 5.8  | 4.3  |
| 2SF42SEEL                  | 4.2  | 15.9 | 1000     | 69  | SS                | 1725 | 2.9  | 2.1  |
| 271                        | 4.25 | 16.1 | 1000     | 69  | SS                | 1725 | 2.9  | 2.2  |
| 5CP6251                    | 5    | 18.9 | 2000     | 138 | SS                | 1725 | 6.8  | 5.1  |
| 351                        | 5    | 18.9 | 1500     | 103 | SS                | 1725 | 5.1  | 3.8  |
| 5CP6221                    | 7.4  | 28.0 | 1200     | 83  | SS                | 1725 | 6.1  | 4.5  |
| 7CP6111                    | 10.5 | 39.7 | 2000     | 138 | SS                | 1725 | 14.4 | 10.7 |

|                            |      |      |      |     |    |      |      |      |
|----------------------------|------|------|------|-----|----|------|------|------|
| <b>Belt Drive</b>          |      |      |      |     |    |      |      |      |
| <b>316 Stainless Steel</b> |      |      |      |     |    |      |      |      |
| 311                        | 4    | 15.1 | 2200 | 152 | SS | 950  | 6.0  | 4.5  |
| 311 ALTERNATE              | 5    | 18.9 | 1500 | 103 | SS | 1190 | 5.1  | 3.8  |
| 5CP6221                    | 6    | 22.7 | 2000 | 138 | SS | 1400 | 8.2  | 6.1  |
| 1051                       | 10   | 37.9 | 2200 | 152 | SS | 958  | 15.1 | 11.2 |
| 1861                       | 10   | 37.9 | 3000 | 207 | SS | 1429 | 20.5 | 15.3 |
| 7CP6171                    | 10.5 | 39.7 | 2000 | 138 | SS | 1450 | 14.4 | 10.7 |
| 1531                       | 15.6 | 59.0 | 1500 | 103 | SS | 1450 | 16.0 | 12.0 |
| 1541                       | 18   | 68.1 | 1200 | 83  | SS | 1100 | 14.8 | 11.0 |
| 2511                       | 20   | 75.7 | 1500 | 103 | SS | 1450 | 20.5 | 15.3 |

|   |    |      |      |     |     |      |      |      |
|---|----|------|------|-----|-----|------|------|------|
| <b>Duplex Stainless Steel – Manifold Only</b> |    |      |      |     |     |      |      |      |
| 661D  | 10 | 37.9 | 3000 | 207 | SSD | 1429 | 20.5 | 15.3 |
| 1051D   | 10 | 37.9 | 2200 | 152 | SSD | 958  | 15.1 | 11.2 |

\* HP denotes electric horsepower rating

**CODES:**  
SS=316 Stainless Steel

SSD=Duplex Stainless Steel

**“The rugged durability of Cat Pumps can withstand the corrosive environment in which they are subjected and they have proven to be true workhorses in the desalination field.”**

**Duwe Dawkins**

Founder and President – H2O Softening Systems



## Midsize Systems (21 to 45 gpm, 79.5 to 170.3 lpm)

Our midsize line of products are ideal installations in larger watercraft, container units, work boats, off-shore rigs, and small community systems. Available in 316 or Duplex Stainless Steel.

| Pump Model                 | Flow |       | Pressure |     | Manifold Material | rpm  | hp*  | kW   |
|----------------------------|------|-------|----------|-----|-------------------|------|------|------|
|                            | gpm  | lpm   | psi      | bar |                   |      |      |      |
| <b>Belt Drive</b>          |      |       |          |     |                   |      |      |      |
| <b>316 Stainless Steel</b> |      |       |          |     |                   |      |      |      |
| 2531                       | 21   | 79.5  | 1200     | 83  | SS                | 860  | 17.3 | 12.9 |
| 2831                       | 21   | 79.5  | 1200     | 83  | SS                | 860  | 17.3 | 12.9 |
| 3521                       | 23   | 87.1  | 2000     | 138 | SS/SSD†           | 800  | 31.5 | 23.5 |
| 3821                       | 23   | 87.1  | 2000     | 138 | SS                | 800  | 31.5 | 23.5 |
| 2531 ALTERNATE             | 25   | 94.6  | 1000     | 69  | SS                | 1025 | 17.1 | 12.8 |
| 6821                       | 25   | 94.6  | 3000     | 207 | SS                | 615  | 51.4 | 38.3 |
| 3531                       | 36   | 136.3 | 1200     | 83  | SS/SSD†           | 800  | 29.6 | 22.1 |
| 3831                       | 36   | 136.3 | 1200     | 83  | SS                | 800  | 29.6 | 22.1 |
| 6831                       | 40   | 151.4 | 2300     | 159 | SS                | 625  | 63.0 | 47.0 |
| 3541                       | 45   | 170.3 | 1000     | 69  | SS/SSD†           | 765  | 30.8 | 23.0 |
| 3841                       | 45   | 170.3 | 1000     | 69  | SS                | 765  | 30.8 | 23.0 |

### Duplex Stainless Steel

|      |    |       |      |     |     |     |      |      |
|------|----|-------|------|-----|-----|-----|------|------|
| 3822 | 23 | 87.1  | 2000 | 138 | SSD | 800 | 31.5 | 23.5 |
| 3832 | 36 | 136.3 | 1200 | 83  | SSD | 800 | 29.6 | 22.1 |

\* HP denotes electric horsepower rating

† 316SS Inlet manifold, duplex SS discharge manifold

### CODES:

SS=316 Stainless Steel

SSD=Duplex Stainless Steel



## Commerical (48 to 240 gpm, 181.7 to 908.4 lpm)

Our commercial models are ideal installations in large off-shore platforms, cruise ships, large military ships, resorts, community water, island support and other high capacity requirements.

| Pump Model                    | Flow |       | Pressure |     | Manifold Material | rpm | hp*   | kW    |
|-------------------------------|------|-------|----------|-----|-------------------|-----|-------|-------|
|                               | gpm  | lpm   | psi      | bar |                   |     |       |       |
| <b>Belt Drive</b>             |      |       |          |     |                   |     |       |       |
| <b>316 Stainless Steel</b>    |      |       |          |     |                   |     |       |       |
| 6841                          | 48   | 181.7 | 2000     | 138 | SS                | 615 | 65.8  | 49.1  |
| 6761                          | 60   | 227.1 | 1200     | 83  | SS                | 520 | 49.3  | 36.8  |
| 6861                          | 60   | 227.1 | 1200     | 83  | SS                | 520 | 49.3  | 36.8  |
| 6771                          | 75   | 283.9 | 1200     | 83  | SS                | 650 | 61.6  | 46.0  |
| <b>Duplex Stainless Steel</b> |      |       |          |     |                   |     |       |       |
| 6762                          | 60   | 227.1 | 1200     | 83  | SSD               | 520 | 49.3  | 36.8  |
| 6862                          | 60   | 227.1 | 1200     | 83  | SSD               | 520 | 49.3  | 36.8  |
| 157R060                       | 100  | 378.5 | 2700     | 186 | SSD               | 310 | 184.9 | 138.0 |
| 152R060                       | 115  | 435.3 | 1200     | 83  | SSD               | 360 | 94.5  | 70.5  |
| 152R080                       | 200  | 757.0 | 1200     | 83  | SSD               | 355 | 164.4 | 122.6 |
| 157R080                       | 200  | 757.0 | 1560     | 108 | SSD               | 355 | 213.7 | 159.4 |
| 152R100                       | 240  | 908.4 | 1000     | 69  | SSD               | 270 | 164.4 | 122.6 |

\* HP denotes electric horsepower rating

### CODES:

SS=316 Stainless Steel

SSD=Duplex Stainless Steel



## Nickel-Aluminum Bronze

Cat Pumps also has a complete offering of Nickel-Aluminum Bronze pumps available. Contact us for more information.

## Stainless Steel Accessories



## Custom Engineered Power Units

*You define. We design.*

Cat Pumps also offers Custom engineered systems (power units) that are designed to meet your requirements. All units are factory flow and pressure tested before shipment. Complete our Power Unit quote form online or call for a quote.

### Design Features:

- Heavy-Duty construction
- Compact, streamline design
- Various control options to meet application needs
- Stationary or portable design
- Electric, gas, diesel and hydraulic drive options
- Single or multiple pump designs
- Corrosion-resistant options
- System Matching accessories

| Pump Model            | Regulator/Unloader    | Pressure Gauge | Relief/Pop-off Valve | Pulsation Dampener | Captive Acceleration Tube (C.A.T.)** |
|-----------------------|-----------------------|----------------|----------------------|--------------------|--------------------------------------|
| 2SF05SEEL             | 7501                  | 6097           | 9960, 7501.100       | 6031               | 711500**                             |
| 2SF10SEEL             | 7501                  | 6097           | 9960, 7501.100       | 6031               | 711500**                             |
| 2SF15SEEL             | 7501                  | 6097           | 9960, 7501.100       | 6031               | 711500**                             |
| 2SF22SEEL             | 7501                  | 6097           | 9960, 7501.100       | 6031               | 711500**                             |
| 2SF25SEEL             | 7501                  | 6097           | 9960, 7501.100       | 6031               | 711500**                             |
| 2SF29SEEL             | 7501                  | 6097           | 9960, 7501.100       | 6031               | 711500**                             |
| 2SF35SEEL             | 7501                  | 6097           | 9960, 7501.100       | 6031               | 711500**                             |
| 2SF42SEEL             | 7501                  | 6097           | 9960, 7501.100       | 6031               | 711500**                             |
| 231, 241, 271         | 7002.100*, 7501       | 6087, 6097     | 7036, 9960           | 6029*, 6030*, 6031 | 711500**                             |
| 311, 341, 351         | 7002.100*, 7501       | 6087, 6097     | 7036, 9960           | 6029*, 6030*, 6031 | 711500**                             |
| 3CP1221, 1231, 1241   | 7002.100*, 7501       | 6087, 6097     | 7036, 9960           | 6029*, 6030*, 6031 | 711500**                             |
| 5CP6221, 6241CS, 6251 | 7012.100*, 7531       | 6087, 6097     | 7036, 9960           | 6029*, 6030*, 6031 | 711500**                             |
| 7CP6111               | 7012.100*, 7531       | 6097           | 9941                 | 6014, 701501       | 711500**                             |
| 7CP6171               | 7012.100*, 7531       | 6097           | 9941                 | 6014, 701501       | 711500**                             |
| 661D                  | 7013.100*, 7533       | 6087           | 9941                 | 701501             | 711500**                             |
| 1051, 1051D           | 7013.100*, 7531       | 6087           | 9941                 | 6013, 6014, 701501 | 711500**                             |
| 1531                  | 7022.100*, 7531       | 6087, 6097     | 9941                 | 6013, 6014, 701501 | 714500**                             |
| 1541                  | 7022.100*, 7531       | 6097           | 9941                 | 6014, 701501       | 714500**                             |
| 2511                  | 7022.100*, 7531       | 6087, 6097     | 9941                 | 6013, 6014, 701502 | 714500**                             |
| 2531                  | 7022.100*, 7531       | 6085           | 9941                 | 6013, 6014, 701502 | 714500**                             |
| 3521                  | 7022.100*, 7023.100*  | 6087, 6097     | 9941, 890711         | 6013, 6014, 701502 | 714500**                             |
| 3531                  | 7032.100*, 7361, 7363 | 6085           | 890710               | 6015, 701503       | 714500**                             |
| 3541                  | 7361, 7376            | 6085           | 890702, 890710       | 6015, 701503       | 714500**                             |
| 6761, 6762            | 7376                  | 6085, 6097     | 890702, 890710       | 701503             | 717500**                             |
| 6771                  | 7376                  | 6097           | 890700, 890710       | 701503             | 717500**                             |
| 1861                  | 7013.100*, 7533       | 6087           | 9941                 | 6013, 6014, 701501 | 711500**                             |
| 2831                  | 7022.100*, 7531       | 6085           | 9941                 | 6013, 6014, 701502 | 714500**                             |
| 3821, 3822            | 7022.100*, 7023.100*  | 6087, 6097     | 9941, 890711         | 6013, 6014, 701502 | 714500**                             |
| 3831, 3832            | 7032.100*, 7361, 7363 | 6085           | 890711               | 6015, 701503       | 714500**                             |
| 3841                  | 7376, 7361            | 6085           | 890702, 890710       | 701503             | 714500**                             |
| 6821                  | 7023.100*, 7033.100*  | 6087           | 9941, 890710         | 701502             | 714500**                             |
| 6831                  | 7376                  | 6087, 6097     | 890709, 890710       | 701503             | 714500**                             |
| 6841                  | 7376                  | 6087, 6097     | 890700, 890710       | 701503             | 717500**                             |
| 6861, 6862            | 7376                  | 6085, 6097     | 890702, 890710       | 701503             | 717500**                             |
| 152R060               | 890700                | 6085, 6097     | 890703, 890704       | 701557             | 719500**                             |
| 152R080, 157R080      | 890702                | 6087, 6097     | 890713               | 701557             | 719500**                             |
| 152R100               | 890704, 890706        | 6085           | 890704, 890706       | 701557             | 719500**                             |
| 157R060               | 890700                | 6087           | 890713               | 701550             | 719500**                             |

\* Stainless Steel lower body for wetted parts. \*\*Requires two adapters. Contact Cat Pumps for more information.



### CAT PUMPS

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