



# 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 40 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
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

\* Requires adapter for direct drive. Contact Cat Pumps. † HP denotes electric horsepower rating

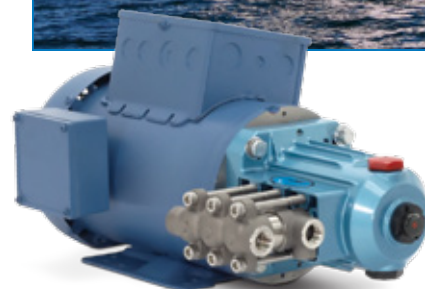
**CODES:**  
SS=316 Stainless Steel

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

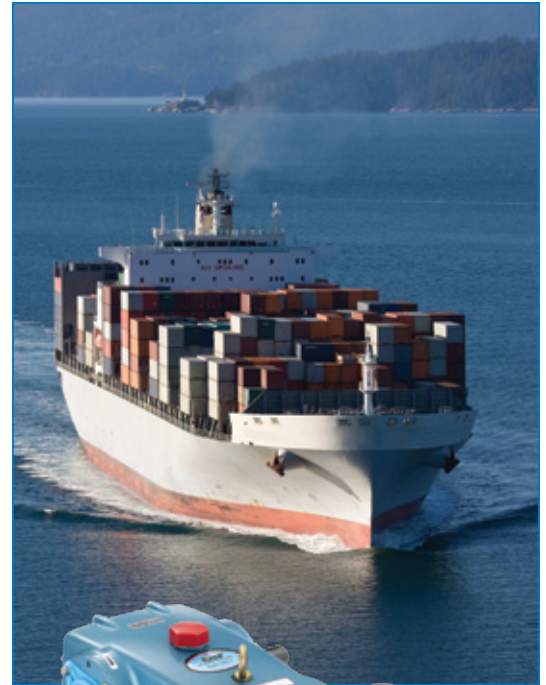
\* HP denotes electric horsepower rating

† 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	7036, 7531.100	6014, 701501	711500**
7CP6171	7012.100*, 7531	6097	7036, 7531.100	6014, 701501	711500**
661D	7013.100*, 7533	6087	7036, 7533.100	701501	711500**
1051, 1051D	7013.100*, 7531	6087	7036, 7531.100	6013, 6014, 701501	711500**
1531	7022.100*, 7531	6087, 6097	7036, 7531.100	6013, 6014, 701501	714500**
1541	7022.100*, 7531	6097	7036, 7531.100	6014, 701501	714500**
2511	7022.100*, 7531	6087, 6097	7036, 7531.100	6013, 6014, 701502	714500**
2531	7022.100*, 7531	6085	7036, 7531.100	6013, 6014, 701502	714500**
3521	7022.100*, 7023.100*	6087, 6097	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	7036, 7533.100	6013, 6014, 701501	711500**
2831	7022.100*, 7531	6085	7036, 7531.100	6013, 6014, 701502	714500**
3821, 3822	7022.100*, 7023.100*	6087, 6097	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	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.

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