



Reverse Osmosis Products

Corrosion-Resistant Products for Superior Life and Dependability



Product Quality, Reliability and Support You Expect

www.catpumps.com



Outperforms the Competition

Cat Pumps has earned the reputation as the industry leader for high-pressure pumps due to long product life and dependable performance. Our commitment to produce the highest-quality, longest lasting products is supported by maintaining a rigorous zero defect quality assurance program to guarantee consistently high quality products — every time.

Global Presence and Worldwide Acceptance

Reverse Osmosis is a critical process for environmental considerations, food & beverage production and drinking water.

Salt Water Reverse Osmosis (SWRO):

- Work and Pleasure Boats
- Resorts
- Off-shore Platforms
- Military

Environmental Applications:

- Industrial Waste Water Treatment
- Leachate Treatment
- Municipalities
- Produced Water Treatment

With operations in the United States, United Kingdom, Belgium, Germany, and a distribution network covering the globe, Cat Pumps products and service are everywhere you need them to be.



Products and Service You Can Count On

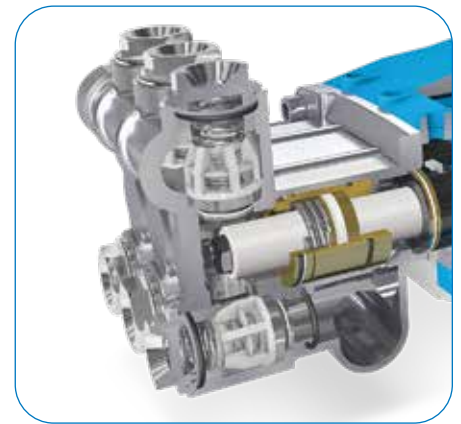
In addition to receiving the highest quality products available, Cat Pumps customers also benefit from the following services:

- Industry-leading support team available Monday–Friday, 8:00 a.m.–5:00 p.m. CST
- Worldwide sales and distribution channels stocking genuine Cat Pumps products
- Engineering and technical support for product selection, installation, maintenance, and troubleshooting

Quality You Need to Keep Your Equipment Running

Cat Pumps designs and builds products to the highest quality levels. Every last design detail is optimized for product life and performance. Examples include the following features:

- Specially formulated seals and high density, polished ceramic plungers typify the attention to design detail that results in thousands of hours of trouble-free service
- Stainless steel valves, seats and springs provide corrosion resistance, positive seating and long life
- Wet seal design increases service life by allowing pumped fluids to cool and lubricate the elastomers on both sides



Product Specification Range

A wide range of pump options are available, including a variety of products that meet industry certifications and directives.

- Flow: 0.13 to 240 gpm (0.49 to 908 lpm)
- Manifold Materials: Nickel Aluminum Bronze, 304 and 316 Stainless Steel, Duplex Stainless Steel. Other materials available on request
- Sealing Material: NBR, FPM, EPDM, PTFE, silicone-free and other materials available upon request
- Drives: Electric, Engine, Hydraulic, Pneumatic



Plunger Pumps



Model 2SFQ42SEEL
with NEMA Motor

316 STAINLESS STEEL MANIFOLD

Direct Drive – Hollow Shaft, NEMA 56C

PUMP MODEL	RATED FLOW		RATED PRESSURE		RPM	AT 1000 PSI (69 BAR)	
	GPM	LPM	PSI	BAR		HP	KW
2SF05SEEL	0.5	1.9	1200	83	1725	0.3	0.3
2SF10SEEL	1.0	3.8	1200	83	1725	0.7	0.5
2SF15SEEL	1.5	5.7	1200	83	1725	1.0	0.8
2SF22SEEL	2.2	8.3	1200	83	1725	1.5	1.1
2SFQ25SEEL	2.5	9.5	1200	83	1725	1.7	1.3
2SFQ29SEEL	2.9	10.8	1200	83	1725	2.0	1.5
2SFQ35SEEL	3.5	13.2	1200	83	1725	2.4	1.8
2SFQ42SEEL	4.2	15.9	1200	83	1725	2.9	2.1

316 STAINLESS STEEL MANIFOLD

Direct Drive or Belt Drive – Solid Shaft



Model 5CPQ6271CSS

PUMP MODEL	RATED FLOW		RATED PRESSURE		RPM	AT 1000 PSI (69 BAR)	
	GPM	LPM	PSI	BAR		HP	KW
3CP1231	2.3	8.7	2000	138	1725	1.6	1.2
3CP1241	3.6	13.7	2000	138	1725	2.5	1.8
5CPQ6241CS	4.0	15.2	2000	138	1725	2.7	2.0
311	4.0	15.2	2200	152	950	2.7	2.0
3CP1221	4.2	16	2000	138	1725	2.9	2.1
3CP1211CS	5.0	19	1700	117	1750	3.4	2.6
5CPQ6251	5.0	19	2000	138	1725	3.4	2.6
5CPQ6281CSS	5.5	21	2000	138	1725	3.8	2.8
5CPQ6221	6.0	22.7	2000	138	1400	4.1	3.1
5CPQ6271CSS	6.6	25	1800	124	1725	4.5	3.4
5CPQ6221	7.4	28	1500	103	1725	5.1	3.8
1051	10.0	37.9	2200	152	958	6.8	5.1
7CP6111CS	10.5	39.9	2000	138	1750	7.2	5.4
7CP6171CS	11	41.6	2000	138	1450	7.5	5.6
7CP6171CS	12	45	1800	124	1600	8.2	6.1
1051	12.3	46.5	1800	124	1180	8.4	6.3
1531	15.6	59	1500	103	1450	10.7	8.0
1731	15.8	59.8	1500	103	1750	10.8	8.1
1541	19.3	73	1200	83	1180	13.2	9.9
2511	20	75.7	1500	103	1450	13.7	10.2
2531	25	94.6	1200	83	1025	17.1	12.8
3531D	36	136.2	1200	83	800	24.7	18.4
3531DHS	40	151	2000	138	888	27.4	20.4
3541D	45	170.3	1000	69	765	30.8	23.0
3541DHS	50	189	1500	103	850	34.2	25.5
6761	60	227	1200	83	520	41.1	30.6



Model 2531

DUPLEX STAINLESS STEEL MANIFOLD

Direct Drive or Belt Drive – Solid Shaft



Model 6762

PUMP MODEL	RATED FLOW		RATED PRESSURE		RPM	AT 1000 PSI (69 BAR)	
	GPM	LPM	PSI	BAR		HP	KW
1051D	10.0	38	2200	152	958	6.8	5.1
1051D	12.3	46.6	1800	124	1180	8.4	6.3
6762	60	227	1200	83	520	41.1	30.6
67102	100	378.5	1000	69	680	68.5	51.1
152R060	115	435.3	1200	83	360	78.8	58.7
152R080	200	757	1200	83	355	137.0	102.2
152R100	240	908.4	1000	69	270	164.4	122.6

NICKEL ALUMINUM BRONZE MANIFOLD

Direct Drive or Belt Drive – Solid Shaft

PUMP MODEL	RATED FLOW		RATED PRESSURE		RPM	AT 1000 PSI (69 BAR)	
	GPM	LPM	PSI	BAR		HP	KW
237	2.3	8.7	1500	103	1725	1.6	1.2
247	3.6	13.6	1200	82	1725	2.5	1.8
347	4.0	15	1800	124	1725	2.7	2.0
317	4.0	15	2200	152	950	2.7	2.0
277	4.2	15.9	1000	69	1725	2.9	2.1
357	5.0	19	1500	103	1725	3.4	2.6
1057	10.0	38	2200	152	958	6.8	5.1
1057	12	45.4	1800	24	1150	8.2	6.1
3517	14	53	3000	207	800	9.6	7.2
2537	25	95	1200	83	1025	17.1	12.8
3537	36	136.2	1200	83	800	24.7	18.4
3537HS	40	151	2000	138	888	27.4	20.4
3547	45	171	1000	69	765	30.8	23.0
3547HS	50	189	1500	103	850	34.2	25.5
6767	60	228	1200	83	520	41.1	30.6



Model 3537



Model 3CP1221 with Bell Housing and NEMA Motor

316 STAINLESS STEEL MANIFOLD

Direct Drive – Solid Shaft, NEMA Bell Housing

PUMP MODEL	RATED FLOW		RATED PRESSURE		RPM		AT 1000 PSI (69 BAR)	
	GPM	LPM	PSI	BAR	1180	1725/1750	HP	KW
3CP1231	2.3	8.7	2000	138		•	1.6	1.2
3CP1241	3.6	13.7	2000	138		•	2.5	1.8
5CPQ6241CS	4.0	15.2	2000	138		•	2.7	2.0
3CP1221	4.2	16	2000	138		•	2.9	2.1
3CP1211CS	5.0	19	1700	117		•	3.4	2.6
5CPQ6251	5.0	19	2000	138		•	3.4	2.6
5CPQ6281CSS	5.5	21	2000	138		•	3.8	2.8
5CPQ6271CSS	6.6	25	1800	124		•	4.5	3.4
5CPQ6221	7.4	28	1500	103		•	5.1	3.8
7CP6111CS	10.5	39.9	2000	138		•	7.2	5.4
1051	12.3	46.5	1800	124	•		8.4	6.3
1531	12.7	48.3	1500	103	•		8.7	6.8
1731	15.8	59.8	1500	10		•	10.8	8.1
1541	19.3	73	1200	83		•	13.2	9.9



Model 1731 with Bell Housing and NEMA Motor

DUPLEX STAINLESS STEEL MANIFOLD

Direct Drive – Solid Shaft, NEMA Bell Housing

PUMP MODEL	RATED FLOW		RATED PRESSURE		RPM		AT 1000 PSI (69 BAR)	
	GPM	LPM	PSI	BAR	1180	1725/1750	HP	KW
1051D	12.3	46.6	1800	124		•	8.4	6.3

NICKEL ALUMINUM BRONZE MANIFOLD

Direct Drive – Solid Shaft, NEMA Bell Housing

PUMP MODEL	RATED FLOW		RATED PRESSURE		RPM		AT 1000 PSI (69 BAR)	
	GPM	LPM	PSI	BAR	1180	1725/1750	HP	KW
237	2.3	8.7	1500	103		•	1.6	1.2
247	3.6	13.6	1200	82		•	2.5	1.8
347	4.0	15	1800	124		•	2.7	2.0
277	4.2	15.9	1000	69		•	2.9	2.1
357	5.0	19	1500	103		•	3.4	2.6
1057	12.3	46.6	1800	124		•	8.4	6.3



Model 277 with Bell Housing and NEMA Motor

Direct Mounting Components

Bell Housings for Motors Provide Assembly Convenience

Cat Pumps bell housings offer a fast and convenient way to mount high-pressure pumps to electric motors in a direct-drive configuration. Bell housings are available as individual components or assembled as a complete pump/motor assembly. Take advantage of Cat Pumps off-the-shelf service for this highly convenient line of electric motor bell housings.

Features:

- Optimal alignment reduces side-loading for longer life, trouble-free operation
- Compact direct mounting reduces space requirement
- Cast from lightweight, high-strength aluminum alloy
- Ease of assembly reduces fabrication costs
- Slotted housings allow easy access to coupler set screws
- Available as a complete drive package for convenient assembly



Cat Pumps offers a wide variety of bell housings and flex coupler assemblies.

Electric, NEMA Mounting Components

BELL HOUSING ASSEMBLY

PUMP SERIES	MODELS	MOTOR FRAME	BELL HOUSING ASSEMBLY
3CP	All 3CP Models	56C-145TC	76056.3CP
		182/184TC	76184.3CP
		213/215TC	76215.3CP
3FR	All 3FR Models	56C-145TC	76056.3FR
		182/184TC	76184.3FR
		213/215TC	76215.3FR
5CP	All 5CP Models	56C-145TC	76056.5CP
		182/184TC	76184.5CP
		213/215TC	76215.5CP
		254/256TC	76256.5CP
5FR	341 – 357	56C-145TC	76056.FR
		182/184TC	76184.5FR
		213/215TC	76215.5FR
7CP	7CP6111CS	56C-145TC	76056.CP
		182/184TC	76184.7CP
		213/215TC	76215.7CP
		254/256TC	76256.7CP
15FR	1051 – 1731	213/215TC	76215.15FR
		254/256TC	76256.15FR
		284/286TC	76286.15FR

FLEXIBLE COUPLER ASSEMBLY

PUMP SERIES	MOTOR FRAME	FLEX COUPLER ASSEMBLY	SHAFT TO SHAFT	TORQUE RATING
3CP	56C	8215	16.5mm x 5/8"	27 ft-lbs
	145TC	8210	16.5mm x 7/8"	27 ft-lbs
	182/184TC	8220	16.5mm x 1 1/8"	27 ft-lbs
	182/184TC	8225	16.5mm x 1 1/8"	74 ft-lbs
	213/215TC	8270	16.5mm x 1 3/8"	92 ft-lbs
5CP & 5FR	56C	8261	20mm x 5/8"	74 ft-lbs
	145TC	8260	20mm x 7/8"	74 ft-lbs
	182/184TC	8230	20mm x 1 1/8"	74 ft-lbs
	213/215TC	8275	20mm x 1 3/8"	92 ft-lbs
7CP	245/256TC	8217	20mm x 1 5/8"	150 ft-lbs
	56C-145TC	8218	24mm x 5/8"	74 ft-lbs
	182/184TC	8370	24mm x 1 1/8"	74 ft-lbs
	213/215TC	8375	24mm x 1 3/8"	74 ft-lbs
	254/256TC	8380	24mm x 1 5/8"	150 ft-lbs
15FR	213/215TC	8388	30mm x 1 3/8"	150 ft-lbs
	254/256TC	8382	30mm x 1 5/8"	150 ft-lbs
	284/286TC	8383	30mm x 1 7/8"	225 ft-lbs

Note: IEC Bell Housing Assemblies and Flex Couplers Assemblies also available, contact Cat Pumps for more information.

Accessories

PRESSURE REGULATORS

MODEL	FLOW RANGE		PRESSURE RANGE		PORTS	
	GPM	LPM	PSI	BAR	INLET/DISCHARGE	BYPASS
7001.100	0.5 – 5	1.9 – 18.9	100 – 1000	6.9 – 69	¾" NPT(F)	½" NPT(F)
7011.100	1.0 – 10	3.8 – 38	100 – 1000	6.9 – 69	½" NPT(F)	¾" NPT(F)
7021.100	2.5 – 25	9.5 – 94.6	100 – 1000	6.9 – 69	¾" NPT(F)	1" NPT(F)
7361	10 – 60	38 – 227	400 – 1000	27.5 – 69	1" NPT(F)	1 ¼" NPT(F)
7375	10 – 75	38 – 284	100 – 1000	6.9 – 69	1 ¼" NPT(F)	1 ½" NPT(F)
7410	10 – 100	38 – 378	100 – 1500	6.9 – 103	1 ½" NPT(F)	2" NPT(F)
890706	15 – 260	57 – 984	250 – 1000	17 – 69	2" NPT(F)	2" NPT(M)



POP-OFF VALVES

MODEL	MAX FLOW		PRESSURE RANGE		PORTS	
	GPM	LPM	PSI	BAR	INLET/DISCHARGE	BYPASS
9960	6	23	300 – 1500	21 – 103	¼" NPT(M)	¾" Barb
9941	25	95	1000 – 4000	69 – 275	¾" NPT(M)	1" Barb
890710	100	380	300 – 1500	21 – 103	1" NPT(M)	1" NPT(F)
890713	210	795	500 – 4000	35 – 275	2" NPT(M)	2" NPT(F)



CRANKCASE OIL

PART NUMBER	DESCRIPTION
6107	Bottle: 21 Ounces
6100	Case: 12 - 21 ounce bottles
6105	5 Gallon Twin Pack: 2 - 2.5 gallon jugs
6109	Drum: 30 gallons



PULSATION DAMPENERS

MODEL	MAX FLOW		PRESSURE RANGE		VOLUME CU. IN.	PORTS
	GPM	LPM	PSI	BAR		
6031	15	57	100 – 2400	6.9 – 165	10	½" NPT(M)
6014	25	94.6	100 – 2400	6.9 – 165	20	¾" NPT(M)
6016	40	151	100 – 2000	6.9 – 138	45	1" NPT(M)
6015	70	265	100 – 1500	6.9 – 103	120	1 ¼" NPT(M)
701550	100	378.5	100 – 3365	6.9 – 232	122	1 ½" NPT(F)
701557	320	1211	100 – 1275	6.9 – 88	214	1 ½" NPT(F)



ABOUT CAT PUMPS

LOCATIONS

SALES, DISTRIBUTION, SERVICE

Proven Quality, Customer Focused

Cat Pumps is the world leader in the design, manufacture and marketing of the most dependable high-pressure positive displacement reciprocating triplex pumps and systems in the market. Our mission to exceed customer expectations for quality, reliability, availability, delivery, technical expertise and aftermarket support to assure the best value in all the industries served.

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