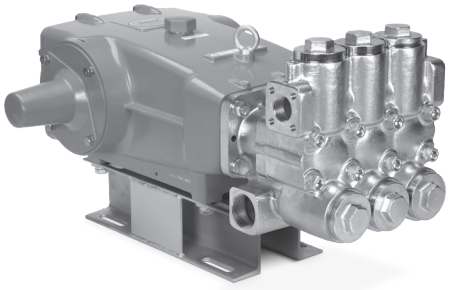
DATA SHEET
60 FRAME PLUNGER PUMPS

The Pumps with Nine Lives

Chrome Plated	Stainless Steel	Duplex SS	Nickel Aluminum Bronze	Nickel Aluminum Bronze Flushed
6760	**6761**	**6762**	**6767**	**6767C**



Model 6760 Shown
(Box rails and shaft protector included)

FEATURES

- Triplex plunger design ensures high efficiency and low pulsation.
- V-packings and low-pressure seals are completely lubricated and cooled,greatly increasing service life.
- Special high-density, polished, concentric ceramic plungers provide a true wear surface and extended seal life.
- Model 6767C offers an external flush for high-temperature or low-lubricity liquids.
- Pump comes standard with NBR seals. Alternative seal materials are available for higher temperature or chemical compatibility.

SPECIFICATIONS	U.S.	Metric
Flow	60 gpm	227 lpm
Pressure Range	100–1200 psi	6.9–83 bar
Pump RPM*	520 rpm	
Inlet Pressure Range	Flooded to 50 psi	Flooded to 3.4 bar
Max. Liquid Temperature	140° F	60° C
Alternative seals available for higher temperatures up to 180° F		
Bore	2.165"	55 mm
Stroke	2.579"	65.5 mm
Crankcase Capacity	10 qts	9.46 l
Inlet Ports (2)	2" NPT(F)	
Flush Ports (2) (6767C)	¼" NPT(F)	
Discharge Ports (2)	1¼" NPT(F)	
Shaft Diameter	1.772"	45 mm
Pulley Mounting	Either Side	
Weight	335 lbs	152 kg
Dimensions		
6760, 6767, 6767C	31.14 x 24.37 x 12.87"	791 x 619 x 327 mm
6761, 6762	31.18 x 24.37 x 12.87"	792 x 619 x 327 mm

* Pump minimum is 100 RPM.

ALTERNATIVE SEAL CONFIGURATION

MATERIAL	SUFFIX CODE	MAXIMUM TEMPERATURE	
NBR	—	140° F	(60° C)
FPM	.0110	180° F	(82° C)
EPDM	.0220	160° F	(71° C)

See **Tech Bulletin 002** for inlet conditions and RPM at high-temperature.

DETERMINING THE PUMP RPM

$$\frac{\text{Rated gpm}}{\text{Rated rpm}} = \frac{\text{Desired gpm}}{\text{Desired rpm}}$$

DETERMINING THE REQUIRED HP

$$\frac{\text{hp (Electric Brake)}}{} = \frac{\text{gpm x psi}}{1460}$$

DETERMINING MOTOR PULLEY SIZE

$$\frac{\text{Motor Pulley OD}}{\text{Pump rpm}} = \frac{\text{Pump Pulley OD}}{\text{Motor rpm}}$$

Refer to pump **Service Manual** for repair procedure and additional technical information.

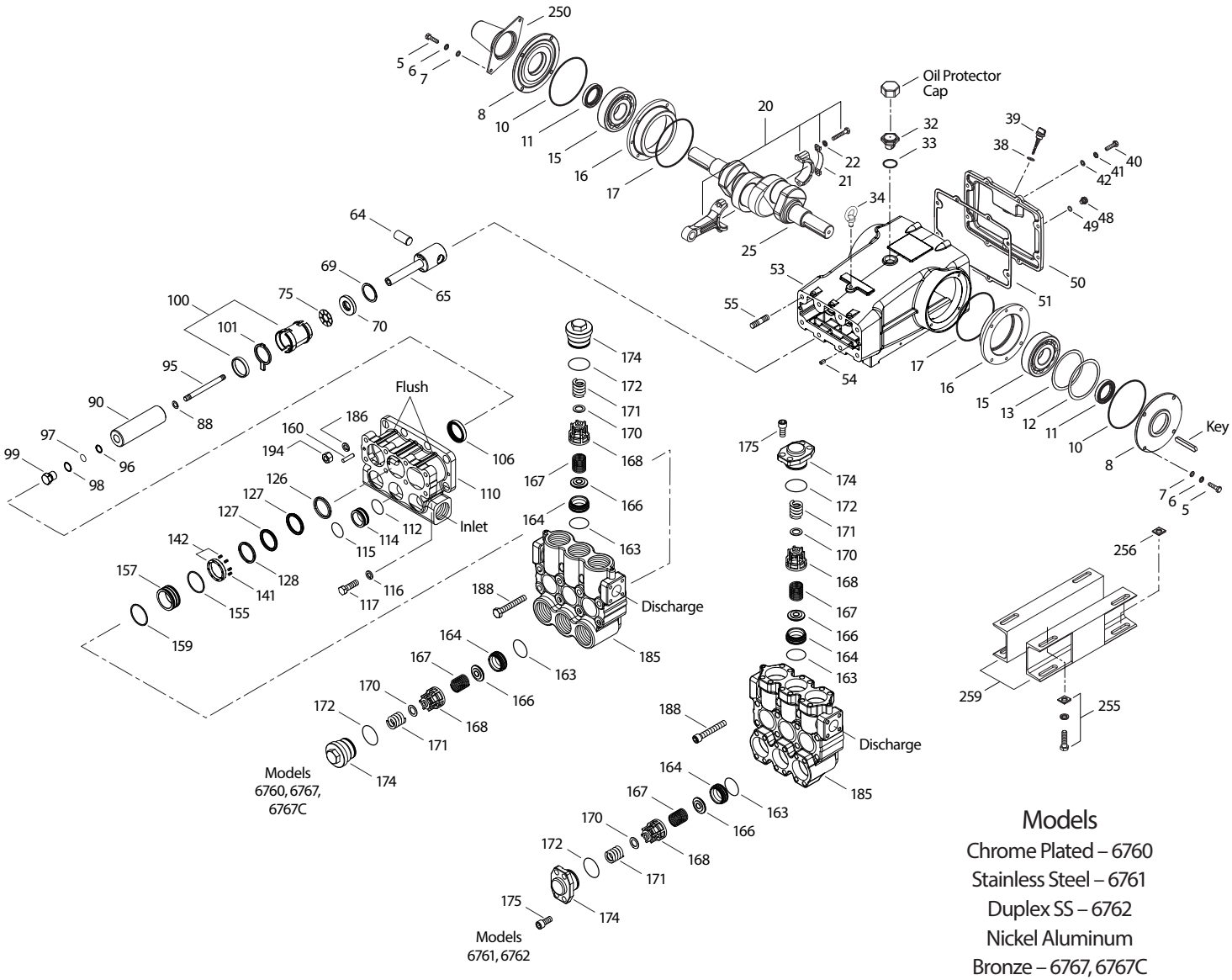
PARTS LIST

ITEM		PART NUMBER								DESCRIPTION	QTY
		6760	MATL	6761	MATL	6762	MATL	6767/C	MATL		
5		**126532**	STCP R	**89728**	S	**89728**	S	**89728**	S	Screw, HH (M10 x 40) (See Tech Bulletin 074)	8
6		**126231**	STCP R	—	—	—	—	—	—	Lockwasher (M10)	8
7		**126574**	STCP R	**19934**	S	**19934**	S	**19934**	S	Washer, Flat (M10)	8
8		29443	ALE	29443	ALE	29443	ALE	29443	ALE	Cover, Bearing, Outer	2
10		29444	NBR	29444	NBR	29444	NBR	29444	NBR	O-Ring, Cover, Bearing	2
11		11443	NBR	11443	NBR	11443	NBR	11443	NBR	Seal, Oil, Crankshaft	2
12		126594	STCP R	126594	STCP R	126594	STCP R	126594	STCP R	Shim, Washer (M120 x 0.3)	0–2
13		126595	STCP R	126595	STCP R	126595	STCP R	126595	STCP R	Shim, Washer (M120 x 0.5)	0–2
15		29441	STL	29441	STL	29441	STL	29441	STL	Bearing, Roller	2
16		29442	STL	29442	STL	29442	STL	29442	STL	Cover, Bearing, Inner	2
17		29444	NBR	29444	NBR	29444	NBR	29444	NBR	O-Ring, Cover, Bearing	2
20		126612	BBHS	126612	BBHS	126612	BBHS	126612	BBHS	Rod, Connecting (Includes: 21, 22) (See Tech Bulletin 074)	3
21		126560	STCP R	126560	STCP R	126560	STCP R	126560	STCP R	Washer, Locking	3
22		126593	STCP R	126593	STCP R	126593	STCP R	126593	STCP R	Shim, Washer (M10.5 x 1.5)	6
25		29440	FCM	29440	FCM	29440	FCM	29440	FCM	Crankshaft, Dual-End (M65.5)	1
32		43211	ABS	43211	ABS	43211	ABS	43211	ABS	Cap, Filler	1
33		14177	NBR	14177	NBR	14177	NBR	14177	NBR	O-Ring, Oil Cap	1
34		126743	STCP R	126743	STCP R	126743	STCP R	126743	STCP R	Bolt, Eye (M12) (For Lifting Pump Only)	1
38		129343	RBR	129343	RBR	129343	RBR	129343	RBR	Gasket, Flat Flexible	1
39		27769	ABS	27769	ABS	27769	ABS	27769	ABS	Stick, Dip (Blue)	1
40		**126531**	STCP R	**89627**	S	**89627**	S	**89627**	S	Screw, HH (M10 x 30) (See Tech Bulletin 074)	8
41		**126231**	STCP R	**15847**	S	**15847**	S	**15847**	S	Lockwasher (M10)	8
42		**126574**	STZP R	**19934**	S	**19934**	S	**19934**	S	Washer, Flat (M10)	8
48		25625	STCP	25625	STCP	25625	STCP	25625	STCP	Plug, Drain (¼" x 19 BSP)	1
49		23170	NBR	23170	NBR	23170	NBR	23170	NBR	O-Ring, Drain Plug	1
50		29438	ALE	29438	ALE	29438	ALE	29438	ALE	Cover, Rear	1
51		129386	NBR	129386	NBR	129386	NBR	129386	NBR	Gasket, Cover, Rear	1
53		133667	ALE	133667	ALE	133667	ALE	133667	ALE	Crankcase Assembly (Includes: 54)	1
54		43282	S	43282	S	43282	S	43282	S	Pin, Guide	2
55		**126553**	STCP R	**89615**	S	**89615**	S	**89615**	S	Stud (M16 x 70)	2
64		29481	CM	29481	CM	29481	CM	29481	CM	Pin, Crosshead	3
65		45384	SSZZ	45384	SSZZ	45384	SSZZ	45384	SSZZ	Rod, Plunger	3
69		126588	STCP R	126588	STCP R	126588	STCP R	126588	STCP R	Washer, Oil Seal	3
70		29454	NBR	29454	NBR	29454	NBR	29454	NBR	Seal, Oil, Crankcase	3
75		44752	NBR	44752	NBR	44752	NBR	44752	NBR	Slinger, Barrier	3
88		45677	SS	45677	SS	45677	SS	45677	SS	Washers, Keyhole (M14)	3
90		44749	CC	44749	CC	44749	CC	44749	CC	Plunger (M55 x 185)	3
95		**89783**	S	**44748**	SS	**44748**	SS	**44748**	SS	Stud, Retainer, Plunger (M14 x 147)	3
96		20214	PTFE	20214	PTFE	20214	PTFE	20214	PTFE	Backup Ring, Retainer, Plunger	3
97		49839	NBR	49839	NBR	49839	NBR	49839	NBR	O-Ring, Retainer, Plunger	3
98		44751	SS	44751	SS	44751	SS	44751	SS	Gasket, Retainer, Plunger	3
99		**45276**	S	**44750**	SS	**48959**	SSD	**44750**	SS	Retainer, Plunger (M14) (See Tech Bulletin 074)	3
100		855000	PVDF	855000	PVDF	855000	PVDF	855000	PVDF	Retainer, Seal, 2-Piece	3
101		44762	—	44762	—	44762	—	44762	—	Wick, Long Tab (M55 x 185)	3
106		44757	NBR	44757	NBR	44757	NBR	44757	NBR	Seal, Low-Pressure with SS-Spring	3
110		***49457**	NABC	***45769**	SS	***48980**	SSD	***44754**	NAB	Manifold, Inlet	1
		—	—	—	—	—	—	***49305**	NAB	Manifold, Inlet, Flushed (Model 6767C)	1
112		18175	NBR	18175	NBR	18175	NBR	18175	NBR	O-Ring, Spacer, Inner	3
114	†	**44767**	SS	**44767**	SS	**48957**	SSD	**44767**	SS	Spacer, Inlet Manifold	3
115		18175	NBR	18175	NBR	18175	NBR	18175	NBR	O-Ring, Spacer, Outer	3
116		**126569**	STCP R	**19086**	S	**19086**	S	**19086**	S	Lockwasher (M16)	4
117		**126537**	STCP R	**89729**	S	**89729**	S	**89729**	S	Screw, HH (M16 x 55) (See Tech Bulletin 074)	4
126		48392	D	48392	D	48392	D	48392	D	Adapter, Female	3
127		44764	STG	44764	STG	44764	STG	44764	STG	V-Packing	6
128	†	**45772**	SS	**45772**	SS	**48962**	SSD	**45772**	SS	Adapter, Male	3
141		44943	SS	44943	SS	44943	SS	44943	SS	Spring, Coil	24
142		**48501**	BB	**45383**	SS	**48982**	SSD	**45383**	SS	Spacer with Coil Springs	3
155		18178	NBR	18178	NBR	18178	NBR	18178	NBR	O-Ring, Spacer	3
157	†	**45321**	SS	**45321**	SS	**48961**	SSD	**45321**	SS	Spacer, V-Packing	3
159		18178	NBR	18178	NBR	18178	NBR	18178	NBR	O-Ring, Spacer	3
160		44756	S	44756	S	44756	S	44756	S	Pin, Guide	2
163		18176	NBR	18176	NBR	18176	NBR	18176	NBR	O-Ring, Seat	6
164	†	**44772**	SS	**44772**	SS	**48964**	SSD	**44772**	SS	Seat	6
166	†	**44774**	SS	**44774**	SS	**48958**	SSD	**44774**	SS	Valve	6
167		44773	SS	44773	SS	44773	SS	44773	SS	Spring	6
168		44775	PVDF	44775	PVDF	44775	PVDF	44775	PVDF	Retainer, Spring	6
170	†	**44776**	SS	**44776**	SS	**48956**	SSD	**44776**	SS	Washer, Retainer	6
171		44780	SS	44780	SS	44780	SS	44780	SS	Spring, Coil, Valve Plug	6
172		128857	NBR	128857	NBR	128857	NBR	128857	NBR	O-Ring, Valve Plug	6
174		**49461**	NABC	**48572**	SSD	**48572**	SSD	**44778**	NAB	Plug, Valve	6
175		—	—	48573	S	48573	S	—	—	Screw, HSH (M16 x 35) (See Tech Bulletin 074)	24
185		**49459**	NABC	**48489**	SS	**48984**	SSD	**44769**	NAB	Manifold, Discharge	1
186		**126569**	STCR R	**19086**	S	**19086**	S	**19086**	S	Lockwasher (M16)	2
188		**126744**	STCP R	**89694**	S	**89694**	S	**89694**	S	Screw, HSH (M16 x 110) (See Tech Bulletin 074)	8
194		**126525**	STCP R	**81291**	S	**81291**	S	**81291**	S	Nut, Hex (M16)	2
250		29445	ALE	29445	ALE	29445	ALE	29445	ALE	Protector, Shaft	1
255		33243	—	33243	—	33243	—	33243	—	Mount, Direct	1
256		29649	STCP	29649	STCP	29649	STCP	29649	STCP	Washer, Slant (M16) (Ensures Proper Alignment Between the Rail and Mounting Screws)	4
259		126604	STCP R	126604	STCP R	126604	STCP R	126604	STCP R	Rail, Box	2

* When ordering a new inlet manifold PN 49457, 45769, 48980, 44754, or 49305 also order two (2) PN 44756 guide pins (Item #160)

Optional Parts and Accessories and Service Parts listed on page 3. Standard and optional Seal and Valve Kits listed on page 4.

EXPLODED VIEW



Models
Chrome Plated – 6760
Stainless Steel – 6761
Duplex SS – 6762
Nickel Aluminum Bronze – 6767, 6767C
September 2026

OPTIONAL PARTS AND ACCESSORIES

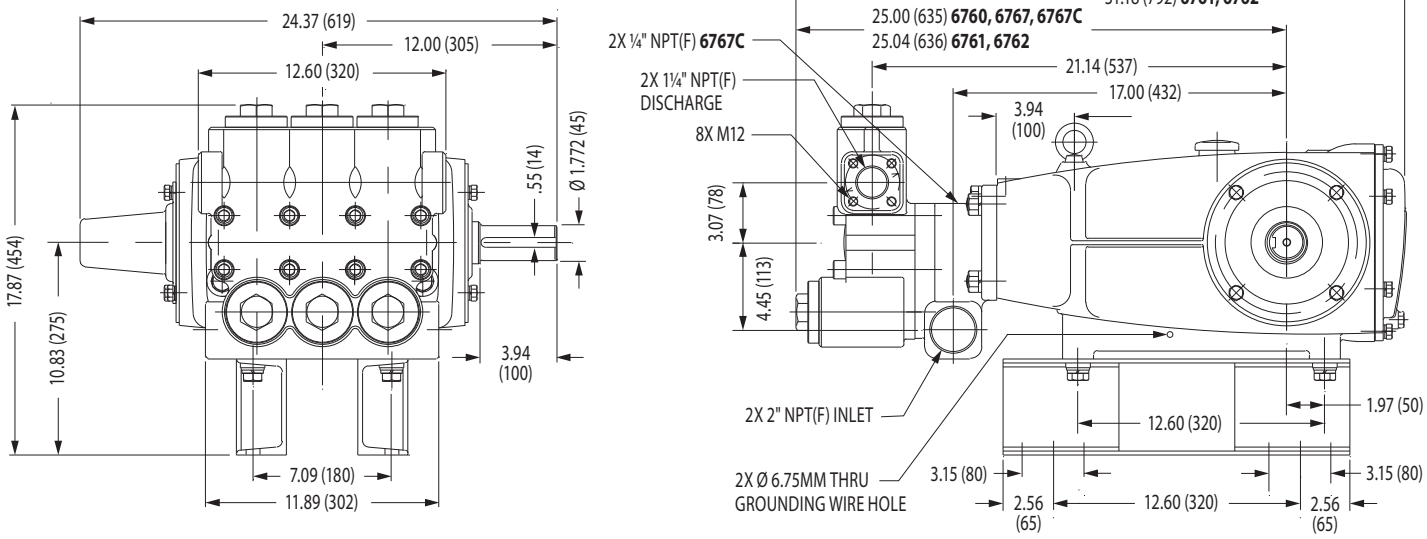
PART	DESCRIPTION	QTY
43048	Key (M14 x 9 x 90)	1
828710	Protector, Oil Cap with Foam Gasket	1
990014	Hub, "B", M45 (Not Shown)	1
30429	Oiler (10 oz) (Not Shown)	3
88902	Stud, (M16 x 277) (For Removal of DM and IM) (Not Shown)	1
34314	Kit, Oil Drain (⅜" x 48") (Not Shown)	1
819010	Assembly, Crankcase, Cast Iron Conversion (Not Shown)	1

SERVICE PARTS

PART	DESCRIPTION	QTY
34091	Kit, Seal – Standard NBR	1
34092	Kit, Valve – Standard NBR	2
39400	Kit, Valve – Standard NBR (Model 6762)	2
6102	Oil, Jug (2.5 gal) (Fill to Specified Crankcase Capacity Prior to Start-Up)	1
6106	Lubricant, Anti-Seize (2 mL)	1
6139	Lubricant, Anti-seize (8 oz) (See Tech Bulletin 095)	1
31173	Crankcase Oil Seal Removal and Installation Kit (Not Shown) (Includes: Oil Seals, Guide Tool, Screws, Washer)	1
30696	Pliers, Reverse (Not Shown)	1
816760	Head, Complete with NBR Seals and O-Rings (Model 6760)	1
816667	Head, Complete with NBR Seals and O-Rings (Model 6761)	1
816865	Head, Complete with NBR Seals and O-Rings (Model 6762)	1
814820	Head, Complete with NBR Seals and O-Rings (Model 6767)	1

Bold print part numbers are unique to a particular pump model. *Italics are optional items.*
† Production parts 304SS, replacement parts are 316SS. R Components comply with RoHS Directive. For additional technical information see www.catpumps.com/literature/tech-bulletins.
MATERIAL CODES (Not Part of Part Number): ABS=ABS Plastic ALE=Aluminum Epoxy BB=Brass BBHS=Brass/High Strength CC=Ceramic CM=Chrome-Moly D=Acetal
F=Cast Iron FCM=Forged Chrome-moly FPM=Fluorocarbon NAB=Nickel Aluminum Bronze NABC=Nickel Aluminum Bronze Chrome Plated NBR=Medium Nitrile (Buna-N)
PTFE=Pure Polytetrafluoroethylene PVDF=Polyvinylidene Fluoride RBR=Rubber S=304SS SS=316SS SSD=Duplex SS SSZZ=316SS/Zamak
STCP=Steel/Chrome Plated STG=Special Blend PTFE White STL=Steel STZP=Steel/Zinc Plated

Kits – NBR, FPM (.0110), EPDM (.0220) listed on page 4.



SEAL KITS One (1) seal kit required per pump

PUMP MODEL	NBR (STD)	FPM (.0110)	EPDM (.0220) ◆
6760, 6761, 6762, 6767, 6767C	**34091***	**34093***	**76091***

ITEM (Included in Seal Kits)				DESCRIPTION	
97	49839	11686	703369	O-Ring, Plunger Retainer	3
106	44757	45882	702228	Seal, Low-Pressure with SS-Spring	3
112	18175	13266	702442	O-Ring, Inner Spacer	3
115	18175	13266	702442	O-Ring, Outer Spacer	3
127	44764	44764	44764	V-Packing	6
155	18178	13338	701657	O-Ring, Spacer	3
159	18178	13338	701657	O-Ring, Spacer	3

* Review material codes for individual items (STG may be used as alternative)

♦ Silicone Oil/Grease required

VALVE KITS Two (2) valve kits required per pump

PUMP MODEL	NBR (STD)	FPM (.0110)	EPDM (.0220) ◆
6760, 6761, 6767, 6767C	**34092**	**31273**	**76092**
6762	**39400**	**—**	**—**

ITEM (Included in Valve Kits)				DESCRIPTION	
163	18176	13278	702445	O-Ring, Seat	3
164	44772	44772	44772	Seat	3
164	48964	—	—	Seat (Model 6762)	3
166	44774	44774	44774	Valve	3
166	48958	—	—	Valve (Model 6762)	3
167	44773	44773	44773	Spring	3
168	44775	44775	44775	Retainer, Spring	3
170	44776	44776	44776	Washer, Retainer	3
170	48956	—	—	Washer, Retainer (Model 6762)	3
172	128857	13279	701988	O-Ring, Valve Plug	3

♦ Silicone Oil/Grease required

⚠ CAUTIONS AND WARNINGS

All high-pressure systems require a primary pressure regulating device (e.g. regulator, unloader) and a secondary pressure relief device (e.g. pop-off valve, relief valve). Failure to install such relief devices could result in personal injury or damage to pump or property. Cat Pumps does not assume any liability or responsibility for the operation of a customer's high-pressure system.

Read all CAUTIONS and WARNINGS before commencing service or operation of any high-pressure system. The CAUTIONS and WARNINGS are included in each Service Manual and with each Accessory Data sheet. CAUTIONS and WARNINGS can also be viewed online at www.catpumps.com/dynamic-literature/cautions-and-warnings or can be requested directly from Cat Pumps.

WARRANTY

View the Limited Warranty online at www.catpumps.com/literature/cat-pumps-limited-warranty

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