

MODEL 1530RSCM.CO₂



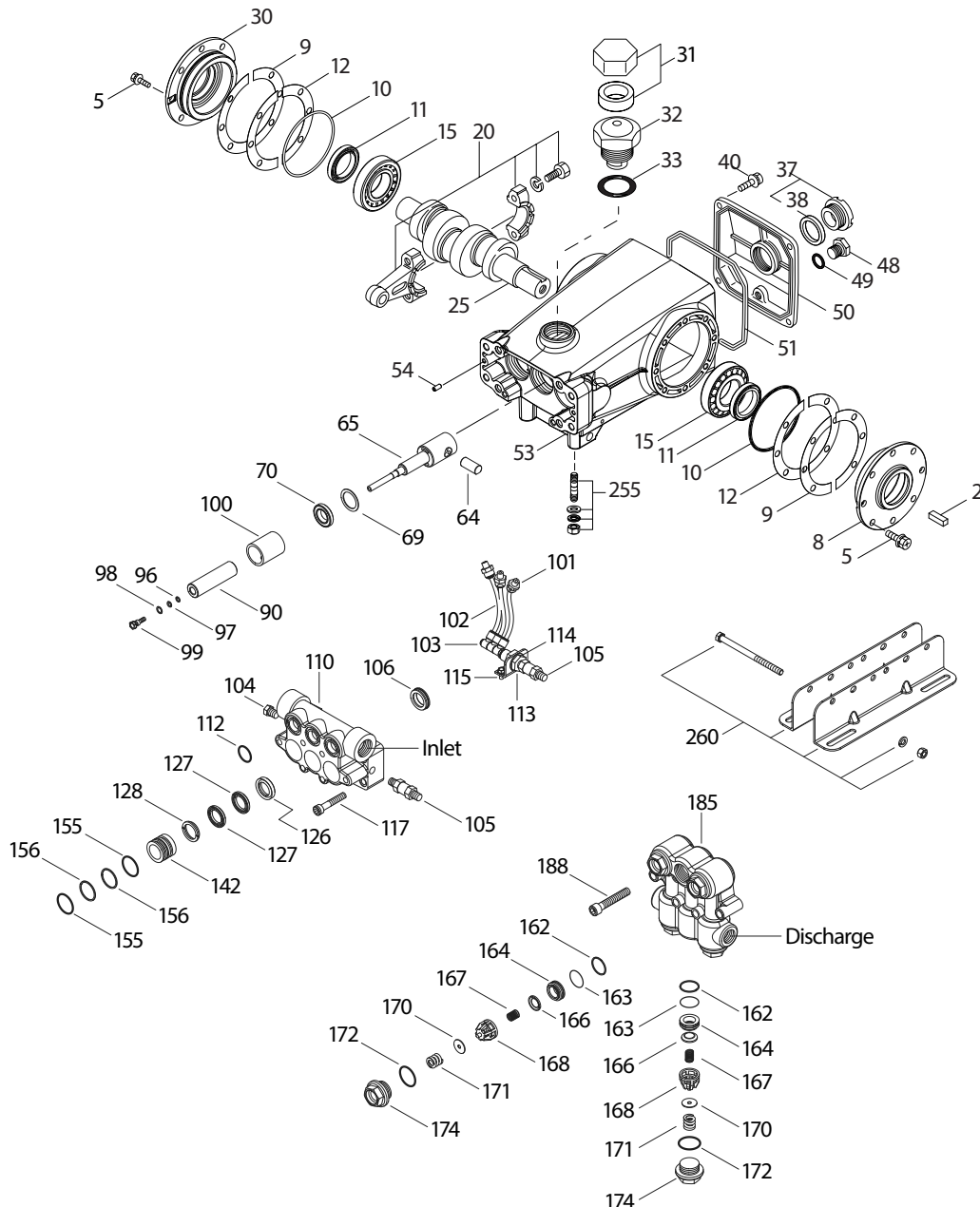
SPECIFICATIONS	U.S. Measure	Metric Measure
Flow	5.0 gpm	19.0 lpm
Pressure Range	400 – 1800 psi	27.5 – 124 bar
Pump RPM*	450	450
Inlet Pressure Range**	300 – 400 psi	21 – 27.5 bar
Min. Liquid Temperature**	-20° F	-29° C
Bore	0.984"	25 mm
Stroke	1.181"	30 mm
Crankcase Capacity	42 oz.	1.26 l

SPECIFICATIONS	U.S. Measure	Metric Measure
Inlet Ports (2)	1" NPT(F)	1" NPT(F)
Flush Ports (2)	1/4" NPT(F)	1/4" NPT(F)
Discharge Ports (2)	3/4" NPT(F)	3/4" NPT(F)
Shaft Diameter	1.181"	30 mm
Weight	55 lbs.	25 kg
Dimensions	17.24 x 12.99 x 7.40"	438 x 330 x 188 mm

*Pump minimum is 100 RPM.

**Temperature and pressure must be maintained to keep incoming CO₂ in a liquid state.

EXPLODED VIEW



(Parts List on Reverse Side)

October 2020

PARTS LIST

ITEM	PN	MATL	DESCRIPTION	QTY
2	990036	STL	Key (M8 x 7 x 40) (Use With 990012 "B" Hub)	1
	30067	STL	Key (M8 x 7.5 x 25) (Use With 30059 "H" Hub)	1
5	126540	STCP R	Screw, Sems HHC (M8 x 20) (See Tech Bulletin 074, 128)	8
8	134805	ALE	Cover, Bearing (See Tech Bulletin 118, 128)	1
9	855043	FBR	Shim, Split 2-Piece (See Tech Bulletin 128)	0–2
10	11340	NBR	O-Ring, Bearing Cover – 70D	2
11	43495	NBR	Seal, Oil, Crankshaft – 70D	1
12	855044	S	Shim, Split 2-Piece (See Tech Bulletin 128)	0–2
15	39060	STL	Bearing, Roller	2
20	768600	TNM	Rod, Connecting Assembly (with PLM Bushing) (See Tech Bulletin 074)	3
25	49954	FCM	Crankshaft, Single End (M30)	1
30	134803	ALE	Cover, Bearing, Blind	1
31	828710	—	Protector, Oil Cap with Foam Gasket	1
32	43211	ABS	Cap, Oil Filler	1
33	14177	NBR	O-Ring, Filler Cap – 70D	1
37	92241	PC	Gauge, Oil, Bubble with Gasket – 80D	1
38	44428	NBR	Gasket, Flat, Oil Gauge – 80D	1
40	126541	STCP R	Screw, Sems HHC (M6 x 20) (See Tech Bulletin 074)	4
48	25625	STCP	Plug, Drain (¼" x 19 BSP)	1
49	23170	NBR	O-Ring, Drain Plug – 70D	1
50	133576	ALE	Cover, Rear (See Tech Bulletin 118)	1
51	44834	NBR	O-Ring, Rear Cover – 70D	1
53	134889	ALE	Crankcase with Guide Pins (See Tech Bulletin 118, 128)	1
54	27488	S	Pin, Guide	2
64	763507	CM	Pin, Crosshead (with Flats)	3
65	76228	SHS	Rod, Plunger (with Set Screws)	3
69	126592	STCP R	Washer, Oil Seal	3
70	43500	NBR	Seal, Oil Crankcase – 80D	3
90	48606	CC	Plunger, Ceramic (M25 x 92)	3
96	43235	PTFE	Backup Ring, Plunger Retainer	3
97	17399	NBR	O-Ring, Plunger Retainer – 80D	3
98	45891	CU	Gasket, Plunger Retainer	3
99	104360	S	Retainer, Plunger (See Tech Bulletin 074)	3

ITEM	PN	MATL	DESCRIPTION	QTY
100	769509	AL	Retainer, Seal	3
101	999490	D	Adapter	3
102	999492	NY	Tubing	3
103	999491	PLM	Manifold	1
104	22177	BBCP	Plug [¼" NPT(M)]	1
105	33937	SS	Valve, Check [¼" NPT(M)]	2
106	701944	SFTA	Seal, LPS with SS–Spring	3
110	48608C	FBB	Manifold, Inlet (Flushed)	1
112	14200	NBR	O-Ring, Inlet Manifold – 70D	3
113	34338	BB	Union (¼" NPTM)	1
114	34347	STZP	Bracket	1
115	990776	STZP R	Screw, HHC (¼" – 20 x ½")	2
117	126515	STCP R	Screw, HSH (M10 x 55) (See Tech Bulletin 074)	4
126	48538	BB	Adapter, Female	3
127	44610	STG	V-Packing	6
128	48539	BB	Adapter, Male	3
142	48550	BB	Spacer with Coil Springs	3
155	17629	NBR	O-Ring, Spacer – 80D	6
156	28243	PTFE	Backup Ring, Spacer	6
162	48363	D	Backup Ring, Seat	6
163	26142	NBR	O-Ring, Seat – 80D	6
164	48596	S	Seat, Q.V. Stepped	6
166	48686	SS	Valve, Q.V.	6
167	48687	SS	Spring, Valve [12/02]	6
168	44735	PVDF	Retainer, Spring	6
170	44794	SS	Washer, Spring Retainer	6
171	48689	SS	Spring, Coil [12/02]	6
172	17629	NBR	O-Ring, Valve Plug – 80D	6
174	48597	FBB	Plug, Valve (See Tech Bulletin 074)	6
185	48610	FBB	Manifold, Discharge	1
188	126519	STCP R	Screw, HSH (M12 x 70) (See Tech Bulletin 074)	6
260	30613	STZP	Rail, Angle Assembly	1
300	31355.CO2	NBR*	Kit, Seal (Includes: 97, 106, 112, 127, 155, 156)	1
310	31360	NBR	Kit, Valve (Includes: 162, 163, 164, 166–170, 172)	2
—	6107	—	Oil, Bottle (21 oz.) ISO 68 Hydraulic	2

Italics are optional items. [] Date of latest production change. R Components comply with RoHS Directive.

* Review material codes for individual items (STG generally may be used as alternate). For additional technical information see www.catpumps.com/literature/tech-bulletins.

MATERIAL CODES (Not Part of Part Number): ABS=ABS Plastic AL=Aluminum ALE=Aluminum Epoxy BB=Brass BBCP=Brass/Chrome Plated CC=Ceramic
CM=Chrome-moly CU=Copper D=Acetal FBB=Forged Brass FBR=Fiber FCM=Forged Chrome-moly NBR=Medium Nitrile (Buna-N) NY=Nylon PC=Poly Carbonate
PLM=Unspecified Poly PTFE=Pure Polytetrafluoroethylene PVDF=Polyvinylidene Fluoride S=304SS SFTA=Special Blend PTFE (Tan)
SHS=304SS/High Strength SS=316SS STCP=Steel/ChromePlated STG=Special Blend PTFE White STL=Steel
STZP=Steel/Zinc Plated TNM=Special High Strength

⚠ CAUTIONS AND WARNINGS

All high-pressure systems require a primary pressure regulating device (i.e. regulator, unloader) and a secondary pressure relief device (i.e. 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 on-line at www.catpumps.com/literature/cat-pumps-limited-warranty