

<h1 style="margin: 0;">Liquiflo Equipment Company</h1>	<h2 style="margin: 0;">Endura® Centrifugal Pumps</h2> <h3 style="margin: 0;">Consolidated BOM: Group 2, MC</h3>
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Drawing Item #	Part Description	Material	Part Numbers for Standard MC Models				Req.
			3 x 2 x 8	4 x 3 x 8G	3 x 2 x 10	4 x 3 x 10H	
1	Casing, ANSI 150# RF Flanges	316SS	5069-010	5454-010	5244-010	5459-010	1
	Casing, ANSI 300# RF Flanges	316SS	X	X	X	X	
	Casing, ANSI 300# RF Flanges, CL Mount	316SS	5294-010	5496-010	5450-010	5493-010	
2	Impeller, Closed	316SS	5070-010	5376-010	5066-010	5078-010	1
3	Cover, Casing	316SS	5138-010	5139-010	5137-010	5206-010	1
5	Bearing Housing, Standard	316SS	5207-010	5207-010	5207-010	5207-010	1
6	Containment Shell, Metallic	316SS	5106-010	5106-010	5106-010	5106-010	1
	Containment Shell, Ceramic	Zirconia (TTZ)	5014-140	5014-140	5014-140	5014-140	
---	Flange, Ceramic Containment Shell	304SS	5015-013	5015-013	5015-013	5015-013	1
---	O-ring, Flange Bumper, Ceramic Shell (2-167)	Teflon	2883-210	2883-210	2883-210	2883-210	1
7	Outer Magnet, Metallic Shell, 2"	Carbon Steel/NdFeB	5111-410	5111-410	5111-410	5111-410	1
	Outer Magnet, Metallic Shell, 3"	Carbon Steel/NdFeB	5113-410	5113-410	5113-410	5113-410	
	Outer Magnet, Metallic Shell, 2"	Carbon Steel/SmCo	5111-420	5111-420	5111-420	5111-420	
	Outer Magnet, Metallic Shell, 3"	Carbon Steel/SmCo	5113-420	5113-420	5113-420	5113-420	
	Outer Magnet, Ceramic Shell, 2"	Carbon Steel/NdFeB	5112-410	5112-410	5112-410	5112-410	
	Outer Magnet, Ceramic Shell, 3"	Carbon Steel/NdFeB	5114-410	5114-410	5114-410	5114-410	
	Outer Magnet, Ceramic Shell, 2"	Carbon Steel/SmCo	5112-420	5112-420	5112-420	5112-420	
	Outer Magnet, Ceramic Shell, 3"	Carbon Steel/SmCo	5114-420	5114-420	5114-420	5114-420	
8	Eyebolt	Carbon Steel/Epoxy	2620-050	2620-050	2620-050	2620-050	2
9	Nut, Eyebolt	18-8SS	2621-060	2621-060	2621-060	2621-060	2
10	Mounting Bracket:						
	Bracket, 182/184TC, 284/286TSC & Power Frame	Carbon Steel/Epoxy	5035-050	5035-050	5035-050	5035-050	1
	Bracket, 213/215TC	Carbon Steel/Epoxy	5196-050	5196-050	5196-050	5196-050	
	Bracket, 254/256TC	Carbon Steel/Epoxy	5197-050	5197-050	5197-050	5197-050	
	Bracket, 284/286TC	Carbon Steel/Epoxy	5198-050	5198-050	5198-050	5198-050	
	Bracket, 324/326TC	Carbon Steel/Epoxy	5199-050	5199-050	5199-050	5199-050	
	Bracket, 364/365TC	Carbon Steel/Epoxy	5200-050	5200-050	5200-050	5200-050	
	Bracket, 324/326/364/365TSC	Carbon Steel/Epoxy	5202-050	5202-050	5202-050	5202-050	
15	Adapter, Taper Lock	Carbon Steel	5172-050	5172-050	5172-050	5172-050	
16	Inner Magnet, 2"	316SS/NdFeB	5230-370	5230-370	5230-370	5230-370	1
	Inner Magnet, 3"	316SS/NdFeB	5110-370	5110-370	5110-370	5110-370	
	Inner Magnet, 2"	316SS/SmCo	5230-380	5230-380	5230-380	5230-380	
	Inner Magnet, 3"	316SS/SmCo	5110-380	5110-380	5110-380	5110-380	

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			3 x 2 x 8	4 x 3 x 8G	3 x 2 x 10	4 x 3 x 10H	
17	Shaft	316SS	5140-010	5140-010	5140-010	5140-010	1
18	Key, Impeller	316SS	5163-010	5163-010	5163-010	5163-010	1
19	Key, Inner Magnet	316SS	5162-010	5162-010	5162-010	5162-010	1
20	Drain Plug, 1/2" NPT	316SS	2730-010	2730-010	2730-010	2730-010	1
21	Bushing, Taper Lock - 1-1/8" Shaft	Carbon Steel	5246-050	5246-050	5246-050	5246-050	1
	Bushing, Taper Lock - 1-3/8" Shaft	Carbon Steel	5210-050	5210-050	5210-050	5210-050	
	Bushing, Taper Lock - 1-5/8" Shaft	Carbon Steel	5171-050	5171-050	5171-050	5171-050	
	Bushing, Taper Lock - 1-7/8" Shaft	Carbon Steel	5228-050	5228-050	5228-050	5228-050	
	Bushing, Taper Lock - 2-1/8" Shaft	Carbon Steel	5467-050	5467-050	5467-050	5467-050	
	Bushing, Taper Lock - 2-3/8" Shaft	Carbon Steel	CF	CF	CF	CF	
22	Bearing, Thrust	Silicon Carbide	5102-110	5102-110	5102-110	5102-110	2
23	Bearing, Radial (Stationary)	Silicon Carbide	5101-110	5101-110	5101-110	5101-110	2
24	Pin, Bearing Housing	316SS	5216-010	5216-010	5216-010	5216-010	1
25	Pin, Sleeve Bearing	316SS	2615-010	2615-010	2615-010	2615-010	4
30	Bearing, Sleeve (Rotating)	Silicon Carbide	5100-110	5100-110	5100-110	5100-110	2
31	Pin, Thrust Bearing	316SS	5237-010	5237-010	5237-010	5237-010	2
32	Tolerance Ring, Shaft	Alloy-C	5098-020	5098-020	5098-020	5098-020	2
33	Tolerance Ring, Bearing Housing	Alloy-C	5245-020	5245-020	5245-020	5245-020	2
34	Spacer (Sleeve Bearings)	316SS	5105-010	5105-010	5105-010	5105-010	1
40	Spring, Bearing Preload	316SS	5305-010	5305-010	5305-010	5305-010	1
41	Washer, Thrust Bearing (Impeller End)	316SS	5306-010	5306-010	5306-010	5306-010	1
46	Nipple, 1/4" NPT x 3" (Optional Bearing Flush)	316SS	5317-010	5317-010	5317-010	5317-010	1
49	Bolt, Containment Shell (3/8-24 x 1-1/2 SHCS)	18-8SS	5090-060	5090-060	5090-060	5090-060	8
50	Straight Fitting, Female (Optional Bearing Flush)	316SS	5310-010	5310-010	5310-010	5310-010	1
55	Washer, Impeller	316SS	5144-010	5144-010	5144-010	5144-010	1
56	Bolt, Bracket/Casing Cover (1/2-13 x 1-1/2 SHCS)	18-8SS	2847-060	2847-060	2847-060	2847-060	4
57	Holder, Thrust Bearing (Impeller End)	316SS	5141-010	5141-010	5141-010	5141-010	1
58	Set Screw, Spacer/Shaft (1/4-28 x 3/8 SHSS-HD)	18-8SS	5089-060	5089-060	5089-060	5089-060	1
60	Holder, Thrust Bearing (Magnet End)	316SS	5142-010	5142-010	5142-010	5142-010	1
61	Bolt, Casing Cover/Casing (5/8-11 x 1-1/4 SHCS)	18-8SS	5173-060	5173-060	X	X	8
		18-8SS	X	X	5173-060	5173-060	12
65	Washer, Inner Magnet	316SS	5145-010	5145-010	5145-010	5145-010	1
70	Washer, Thrust Bearing (Magnet End)	316SS	5302-010	5302-010	5302-010	5302-010	1

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			3 x 2 x 8	4 x 3 x 8G	3 x 2 x 10	4 x 3 x 10H	
71	O-ring, Containment Shell (2-165)	Teflon	5087-210	5087-210	5087-210	5087-210	1
		Viton	5087-220	5087-220	5087-220	5087-220	
		EPDM	5087-230	5087-230	5087-230	5087-230	
		Kalrez 4079	5087-240	5087-240	5087-240	5087-240	
		Kalrez 1050LF	5087-241	5087-241	5087-241	5087-241	
72	Gasket, Casing	Teflon	5169-210	5169-210	5048-210	5048-210	1
75	Bolt, Motor Adapter/Bracket (1/2-13 x 1-1/4 SHCS)	18-8SS	3153-060	3153-060	3153-060	3153-060	4
	Bolt, Power Frame/Bracket (1/2-13 x 1-1/4 SHCS)	18-8SS	3153-060	3153-060	3153-060	3153-060	
91	Motor Adapter: (Close-Coupled Configuration)						
	Adapter, NEMA 182TC-256TC Motors	Carbon Steel/Epoxy	5195-050	5195-050	5195-050	5195-050	1
	Adapter, NEMA 284/286TC & 284/286TSC Motors	Carbon Steel/Epoxy	5203-050	5203-050	5203-050	5203-050	
	Adapter, NEMA 324-365TC & 324-365TSC Motors	Carbon Steel/Epoxy	5234-050	5234-050	5234-050	5234-050	
92	Bolt, Lock Nut, Bearing Housing (5/16-24 x 1 SHCS)	18-8SS	2714-060	2714-060	2714-060	2714-060	1
94	Bolt, Shaft (1/2-13 x 1-1/4 HHCS)	18-8SS	2836-060	2836-060	2836-060	2836-060	2
95	Set Screw, Bushing, Outer Magnet (1/2-20 x 1 SHSS)	18-8SS	Item included with Taper Lock Bushing (Item # 21)				2
96	Tubing, 3/8" Dia. (Optional Bearing Flush)	316SS	5535-010	5535-010	5535-010	5535-010	1
97	Motor Adapter Bolts: (Close-Coupled Configuration)						
	Bolt, 182TC-256TC (1/2-13 x 1-1/2 FH-SHCS)	Carbon Steel	3415-050	3415-050	3415-050	3415-050	4
	Bolt, 284/286TC/TSC (1/2-13 x 1-1/4 SHCS)	18-8SS	3153-060	3153-060	3153-060	3153-060	
	Bolt, 324-365TC/TSC (5/8-11 x 2 SHCS)	18-8SS	5337-060	5337-060	5337-060	5337-060	
98	Lock Nut, Bearing Housing	316SS	5034-010	5034-010	5034-010	5034-010	1
100	Male Elbow (Optional Bearing Flush)	316SS	5311-010	5311-010	5311-010	5311-010	1
Power Frame & Parts: (Long-Coupled Configuration)							
---	Power Frame Assembly - Group 2	Ductile Iron/Epoxy/Misc.	5194-190	5194-190	5194-190	5194-190	1
---	Housing, Power Frame	Ductile Iron/Epoxy	5151-190	5151-190	5151-190	5151-190	1
---	Shaft, Power Frame	Carbon Steel	5160-050	5160-050	5160-050	5160-050	1
---	Ball Bearing (Coupling End)	Carbon Steel	5156-050	5156-050	5156-050	5156-050	1
---	Ball Bearing (Magnet End)	Carbon Steel	5157-050	5157-050	5157-050	5157-050	1
---	Key, Mechanical Coupling	Carbon Steel	5165-050	5165-050	5165-050	5165-050	1
---	Key, Outer Magnet	Carbon Steel	5164-050	5164-050	5164-050	5164-050	1
---	Breather, 1/4" NPT	Carbon Steel	5274-050	5274-050	5274-050	5274-050	1
---	Cover (Coupling End)	Carbon Steel/Epoxy	5153-050	5153-050	5153-050	5153-050	1
---	Cover (Magnet End)	Carbon Steel/Epoxy	5154-050	5154-050	5154-050	5154-050	1

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			3 x 2 x 8	4 x 3 x 8G	3 x 2 x 10	4 x 3 x 10H	
Power Frame & Parts: (continued)							
---	Seal, Power Frame (Coupling End)	Nitrile	2671-180	2671-180	2671-180	2671-180	1
---	Seal, Power Frame (Magnet End)	Buna-N	5158-250	5158-250	5158-250	5158-250	1
---	Sight Glass, 1" NPT	Carbon Steel	3056-050	3056-050	3056-050	3056-050	1
---	Spring, Bearing (Magnet End)	Carbon Steel	5455-050	5455-050	5455-050	5455-050	1
---	O-ring, Cover, Coupling End (2-042)	Viton	2665-220	2665-220	2665-220	2665-220	1
---	O-ring, Cover, Magnet End (2-047)	Buna-N	5155-250	5155-250	5155-250	5155-250	1
---	Bolt, Cover/Housing (1/4-28 x 3/8 SHCS)	18-8SS	2716-060	2716-060	2716-060	2716-060	8
---	Plug, 1/4" NPT	316SS	2793-010	2793-010	2793-010	2793-010	2
---	Foot, Power Frame	DI/Epoxy	5152-190	5152-190	5152-190	5168-190	1
---	Bolt, Foot (1/2-13 x 1 SHCS)	Carbon Steel	2708-050	2708-050	2708-050	2708-050	2
Risers:							
---	Motor Riser, NEMA 182T/TC Frames	Carbon Steel/Epoxy	CF	CF	CF	CF	2
	Motor Riser, NEMA 184T/TC Frames	Carbon Steel/Epoxy	CF	CF	CF	CF	
	Motor Riser, NEMA 213T/TC Frames	Carbon Steel/Epoxy	CF	CF	CF	CF	
	Motor Riser, NEMA 215T/TC Frames	Carbon Steel/Epoxy	CF	CF	CF	CF	
	Motor Riser, NEMA 254T/TC Frames	Carbon Steel/Epoxy	CF	CF	CF	CF	
	Motor Riser, NEMA 256T/TC Frames	Carbon Steel/Epoxy	CF	CF	CF	CF	
	Motor Riser, NEMA 284T/TC/TS/TSC Frames	Carbon Steel/Epoxy	CF	CF	CF	CF	
	Motor Riser, NEMA 286T/TC/TS/TSC Frames	Carbon Steel/Epoxy	CF	CF	CF	CF	
	Motor Riser, NEMA 324T/TC/TS/TSC Frames	Carbon Steel/Epoxy	CF	CF	CF	CF	
	Motor Riser, NEMA 326T/TC/TS/TSC Frames	Carbon Steel/Epoxy	CF	CF	CF	CF	
	Motor Riser, NEMA 364T/TC/TS/TSC Frames	Carbon Steel/Epoxy	X	X	X	CF	
	Motor Riser, NEMA 365T/TC/TS/TSC Frames	Carbon Steel/Epoxy	X	X	X	CF	
---	Pump Riser, NEMA 364T/TC/TS/TSC Frames	Carbon Steel/Epoxy	CF	CF	CF	X	1
---	Pump Riser, NEMA 365T/TC/TS/TSC Frames	Carbon Steel/Epoxy	CF	CF	CF	X	1
---	Power Frame Riser, NEMA 364T/TC/TS/TSC Frames	Carbon Steel/Epoxy	CF	CF	CF	X	1
---	Power Frame Riser, NEMA 365T/TC/TS/TSC Frames	Carbon Steel/Epoxy	CF	CF	CF	X	1

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			3 x 2 x 8	4 x 3 x 8G	3 x 2 x 10	4 x 3 x 10H	
Mechanical Coupling: (Long-Coupled Configuration)							
---	Coupling Flange, 6SC, Power Frame (1-1/8" Bore)	Cast Iron	CF	CF	CF	CF	1
	Coupling Flange, 7SC, Power Frame (1-1/8" Bore)	Cast Iron	CF	CF	CF	CF	
	Coupling Flange, 8SC, Power Frame (1-1/8" Bore)	Cast Iron	CF	CF	CF	CF	
---	Coupling Flange, 6SC, 182/184T Motor (1-1/8" Bore)	Cast Iron	CF	CF	CF	CF	1
	Coupling Flange, 6SC, 213/215T Motor (1-3/8" Bore)	Cast Iron	CF	CF	CF	CF	
	Coupling Flange, 7SC, 254/256T Motor (1-5/8" Bore)	Cast Iron	CF	CF	CF	CF	
	Coupling Flange, 7SC, 284/286TS Motor (1-5/8" Bore)	Cast Iron	CF	CF	CF	CF	
	Coupling Flange, 8SC, 284/286T Motor (1-7/8" Bore)	Cast Iron	CF	CF	CF	CF	
	Coupling Flange, 8SC, 324/326TS Motor (1-7/8" Bore)	Cast Iron	CF	CF	CF	CF	
	Coupling Flange, 8SC, 364/365TS Motor (1-7/8" Bore)	Cast Iron	CF	CF	CF	CF	
	Coupling Flange, 8SC, 324/326T Motor (2-1/8" Bore)	Cast Iron	CF	CF	CF	CF	
	Coupling Flange, 8SC, 364/365T Motor (2-3/8" Bore)	Cast Iron	CF	CF	CF	CF	
---	Coupling Sleeve, 6SC	EPDM	CF	CF	CF	CF	1
		Hytrel	CF	CF	CF	CF	
	Coupling Sleeve, 7SC	EPDM	CF	CF	CF	CF	
		Hytrel	CF	CF	CF	CF	
	Coupling Sleeve, 8SC	EPDM	CF	CF	CF	CF	
		Hytrel	CF	CF	CF	CF	
Coupling Guard: (Long-Coupled Configuration)							
---	Guard, Coupling (Motor/Power Frame)	316SS	5345-010	5345-010	5345-010	5345-010	1
Bracket Guard:							
---	Guard, Mounting Bracket	304SS	5386-013	5386-013	5386-013	5386-013	1
Base Plate:							
---	Base Plate #254E (54" x 18" x 4" Channel)	Carbon Steel/Epoxy	3527-050	3527-050	3527-050	3527-050	1
	Base Plate #264 (64" x 18" x 4" Channel)	Carbon Steel/Epoxy	3528-050	3528-050	3528-050	3528-050	
Power Monitor:							
---	EARS 1-3 Power Sensor (Three-Phase Power)	Miscellaneous	3239-000	3239-000	3239-000	3239-000	1

CF = Consult Factory
X = Not Required

Reference Sectional Drawing: E5473CC