

Configuration Data & Materials of Construction

Drive Assembly	Liquid End No.	Size Code	Materials of Construction				Accessory	Tubing & Connections	
			Head & Fittings	Balls	Liquifram™	Seal Ring		Discharge	Suction
C90	-								
C70	-	297	0.9	316 S.S.	316 S.S.	Fluorofilm™	316 S.S.		Pipe 1/4" NPT M
C10	-	94S**	0.9	PVC	Ceramic	Fluorofilm™	PTFE	4FV	Pipe 1/4" NPT M

C91	-	360SI †	1.8	Acrylic/PGC	Ceramic	Fluorofilm™	PGC / Polyprel®	4FV	PE .375" O.D.	
	-	361SI †	1.8	PGC/PGC	Ceramic	Fluorofilm™	PGC / Polyprel®	4FV	PE .375" O.D.	
	-	362SI †	1.8	PVDF / PVDF	Ceramic	Fluorofilm™	PVDF/ Polyprel®	4FV	PE .375" O.D.	
	C92	-	363SI †	1.8	PVDF / PVDF	Ceramic	Fluorofilm™	PVDF/ PTFE	4FV	PE .375" O.D.
	C71	-	277	1.8	316 S.S.	316 S.S.	Fluorofilm™	316 S.S.		Pipe 1/4" NPT M
	C72	-	71FS	1.8	Acrylic/PVDF	PTFE	Hypalon®	Hypalon®	4FV	PE .5" O.D. Vinyl .5" O.D.
	C11	-	71S †	1.8	Acrylic/PVC	Ceramic	Fluorofilm™	PTFE	4FV	PE .5" O.D. Vinyl .5" O.D.
	C12	-	72S †	1.8	PVC	Ceramic	Fluorofilm™	PTFE	4FV	PE .5" O.D.
		-	74S**	1.8	PVC	Ceramic	Fluorofilm™	PTFE	4FV	Pipe 1/4" NPT M
		-	75HV	1.8	Polypropylene	316 S.S.	Fluorofilm™	PTFE		PE .5" O.D. Vinyl .938" O.D.
	-	75S †	1.8	Polypropylene	Ceramic	Fluorofilm™	PTFE	4FV	PE .5" O.D.	
	-	76	1.8	Acrylic/PP	316 S.S.	Fluorofilm™	Hypalon®		PE .5" O.D. Vinyl .938" O.D.	
	-	79	1.8	UHMW PE	Ceramic	Hypalon®	Hypalon®		PE .5" O.D. Vinyl .5" O.D.	

C93	-	310SI †	3.0	Acrylic/PGC	Ceramic	Fluorofilm™	PGC / Polyprel®	4FV	PE .375" O.D.	
	-	311SI †	3.0	PGC/PGC	Ceramic	Fluorofilm™	PGC / Polyprel®	4FV	PE .375" O.D.	
	-	312SI †	3.0	PVDF / PVDF	Ceramic	Fluorofilm™	PVDF/ Polyprel®	4FV	PE .375" O.D.	
	-	313SI †	3.0	PVDF / PVDF	Ceramic	Fluorofilm™	PVDF / PTFE	4FV	PE .375" O.D.	
	C73	-	20HV	3.0	Acrylic/PP	316 S.S.	Fluorofilm™	Hypalon®		PE .5" O.D. Vinyl .938" O.D.
	C13	-	20S**	3.0	Acrylic/PVC	Ceramic	Fluorofilm™	Hypalon®	4FV	PE .5" O.D. Vinyl .5" O.D.
		-	24	3.0	PVC	Ceramic	Fluorofilm™	PTFE		Pipe 1/2" NPT M
		-	25HV	3.0	Polypropylene	316 S.S.	Fluorofilm™	PTFE		PE .5" O.D. Vinyl .938" O.D.
		-	25P	3.0	Polypropylene	Ceramic	Fluorofilm™	PTFE		Pipe 1/2" NPT M
		-	25T	3.0	Polypropylene	Ceramic	Fluorofilm™	PTFE		PE .5" O.D.
	-	26S**	3.0	PVC	Ceramic	Fluorofilm™	Viton®	4FV	PE .5" O.D.	
	-	27	3.0	316 S.S.	316 S.S.	Fluorofilm™	PTFE		Pipe 1/2" NPT M	
	-	29	3.0	UHMW PE	Ceramic	Fluorofilm™	Hypalon®		PE .5" O.D.	

C94	-	30	6.0	Acrylic/PVC	Ceramic	Fluorofilm™	PTFE		PE .5" O.D. Vinyl .5" O.D.	
	-	32	6.0	PVDF	Ceramic	Fluorofilm™	PTFE		PE .5" O.D.	
	C78	-	34	6.0	PVC	Ceramic	Fluorofilm™	PTFE	Pipe 1/2" NPT M	
	C74	-	35P	6.0	Polypropylene	Ceramic	Fluorofilm™	PTFE	Pipe 1/2" NPT M	
	C14	-	35T	6.0	Polypropylene	Ceramic	Fluorofilm™	PTFE		PE .5" O.D.
		-	36	6.0	PVC	Ceramic	Fluorofilm™	PTFE		PE .5" O.D.
		-	37	6.0	316 S.S.	316 S.S.	Fluorofilm™	PTFE		Pipe 1/2" NPT M

C77	-	20HV	3.0	Acrylic/PP	316 S.S.	Fluorofilm™	Hypalon®		PE .5" O.D. Vinyl .938" O.D.
	-	20S**	3.0	Acrylic/PVC	Ceramic	Fluorofilm™	Hypalon®	4FV	PE .5" O.D. Vinyl .5" O.D.
	-	24	3.0	PVC	Ceramic	Fluorofilm™	PTFE		Pipe 1/2" NPT M
	-	25HV	3.0	Polypropylene	316 S.S.	Fluorofilm™	PTFE		PE .5" O.D. Vinyl .938" O.D.
	-	25P	3.0	Polypropylene	Ceramic	Fluorofilm™	PTFE		Pipe 1/2" NPT M
	-	25T	3.0	Polypropylene	Ceramic	Fluorofilm™	PTFE		PE .5" O.D.
	-	26S**	3.0	PVC	Ceramic	Fluorofilm™	Viton®	4FV	PE .5" O.D.
	-	27	3.0	316 S.S.	316 S.S.	Fluorofilm™	PTFE		Pipe 1/2" NPT M
	-	29	3.0	UHMW PE	Ceramic	Fluorofilm™	Hypalon®		PE .5" O.D.

See front page for voltage code specifications.

† To specify 1/4" NPT male, change 'I' to 'P'. To specify black, UV resistant tubing, change 'I' to 'U'. To specify Bleed 4FV, change 'S' to 'B'. To specify 3FV, change 'S' to 'T'.

Fluorofilm™ is a copolymer of PTFE and PFA.
Polyprel® is an elastomeric PTFE copolymer.

4FV indicates that the pump is equipped with an LMI Four Function Valve. This diaphragm type anti-siphon/pressure relief valve is installed on the pump head. It provides anti-siphon protection and aids in priming, even under pressure.

** These Liquid Ends are available without a 4FV, simply drop the 'S' at the end of the Liquid End number to order the model without a 4FV.

Output Information

Series	Gallons per Hour		Liters per Hour		mL/cc per Minute		mL/cc per Stroke		Maximum Injection Pressure
	Min	Max	Min	Max	Min	Max	Min	Max	
C10, C70*, C90*	0.001	1.3	0.005	4.9	0.08	82	0.08	0.82	300 psi (20.7 Bar)
C11, C71*, C91*	0.003	2.5	0.010	9.5	0.16	158	0.16	1.58	150 psi (10.3 Bar)
C12, C72*, C92*	0.004	4.0	0.015	15.1	0.25	252	0.25	2.52	100 psi (6.9 Bar)
C13, C73*, C93*	0.008	8.0	0.030	30	0.51	505	0.51	5.05	60 psi (4.1 Bar)
C14, C74*, C94*	0.020	20.0	0.076	76	1.26	1262	1.26	12.62	25 psi (1.7 Bar)
C77*	0.010	10.0	0.038	38	0.63	631	0.63	6.31	80 psi (5.5 Bar)
C78*	0.025	25.0	0.095	95	1.58	1577	1.58	15.77	30 psi (2.07 Bar)

*Minimum output is based on 1 stroke per minute and 10% stroke setting, minimum output can be reduced further in external mode. Series C9 pumps may be programmed for strokes per hour for lower outputs.