



# Configuration Data & Materials of Construction

Drive Assembly	Liquid End No.	Size Code	Materials of Construction				Accessory	Tubing & Connections	
			Head & Fittings	Balls	Liquifram™	Check Valve		Discharge	Suction
A94	350SI†	0.5	Acrylic/PGC™	Ceramic	Fluorofilm™	PGC™/Polyprel®	4FV	PE .250" O.D.	
	351SI†	0.5	PGC™/PGC™	Ceramic	Fluorofilm™	PGC™/Polyprel®	4FV	PE .250" O.D.	
A97	352SI†	0.5	PVDF/PVDF	Ceramic	Fluorofilm™	PVDF/Polyprel®	4FV	PE .250" O.D.	
A74	353SI†	0.5	PVDF/PVDF	Ceramic	Fluorofilm™	PVDF/PTFE	4FV	PE .250" O.D.	
A77	150FS	0.5	Acrylic/PVDF	PTFE	Fluorofilm™	Hypalon®	4FV	PE .250" O.D.	
A34	155HV	0.5	Polypropylene	316 S.S.	Fluorofilm™	PTFE		PE .5" O.D. Vinyl .938" O.D.	
A37	155S**	0.5	Polypropylene	Ceramic	Fluorofilm™	PTFE	4FV	PE .250" O.D.	
A14	156	0.5	Acrylic/PP	316 S.S.	Fluorofilm™	Hypalon®		PE .5" O.D. Vinyl .938" O.D.	
A17	257	0.5	316 S.S.	316 S.S.	Fluorofilm™	316 S.S.		Pipe 1/4" NPT M	

A95	390SI†	0.9	Acrylic/PGC™	Ceramic	Fluorofilm™	PGC™/Polyprel®	4FV	PE .375" O.D.	
A75	391SI†	0.9	PGC™/PGC™	Ceramic	Fluorofilm™	PGC™/Polyprel®	4FV	PE .375" O.D.	
A78	392SI†	0.9	PVDF/PVDF	Ceramic	Fluorofilm™	PVDF/Polyprel®	4FV	PE .375" O.D.	
A15	393SI†	0.9	PVDF/PVDF	Ceramic	Fluorofilm™	PVDF/PTFE	4FV	PE .375" O.D.	
A18	297	0.9	316 S.S.	316 S.S.	Fluorofilm™	316 S.S.		Pipe 1/4" NPT M	
	85HV	0.9	Polypropylene	316 S.S.	Fluorofilm™	PTFE		PE .5" O.D. Vinyl .938" O.D.	
	86	0.9	Acrylic/PP	316 S.S.	Fluorofilm™	Hypalon®		PE .5" O.D. Vinyl .938" O.D.	
	89	0.9	UHMW PE	Ceramic	Hypalon®	Hypalon®		PE .5" O.D. Vinyl .5" O.D.	
	91FS	0.9	Acrylic/PVDF	PTFE	Hypalon®	Hypalon®	4FV	PE .375" O.D. Vinyl .375" O.D.	
	92S**	0.9	PVC	Ceramic	Fluorofilm™	PTFE	4FV	PE .375" O.D.	
	94S**	0.9	PVC	Ceramic	Fluorofilm™	PTFE	4FV	Pipe 1/4" NPT M	
	95S**	0.9	Polypropylene	Ceramic	Fluorofilm™	PTFE	4FV	PE .375" O.D.	

A96	360SI†	1.8	Acrylic/PGC™	Ceramic	Fluorofilm™	PGC™/Polyprel®	4FV	PE .375" O.D.	
A76	361SI†	1.8	PGC™/PGC™	Ceramic	Fluorofilm™	PGC™/Polyprel®	4FV	PE .375" O.D.	
A16	362SI†	1.8	PVDF/PVDF	Ceramic	Fluorofilm™	PVDF/Polyprel®	4FV	PE .375" O.D.	
	363SI†	1.8	PVDF/PVDF	Ceramic	Fluorofilm™	PVDF/PTFE	4FV	PE .375" O.D.	
	277	1.8	316 S.S.	316 S.S.	Fluorofilm™	316 S.S.		Pipe 1/4" NPT M	
	62S**	1.8	PVC/PVDF	Ceramic	Fluorofilm™	Polyprel®	4FV	PE .375" O.D.	
	65S**	1.8	Polypropylene	Ceramic	Fluorofilm™	PTFE	4FV	PE .375" 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.	
	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.	

See front page for voltage code specifications.

\*\* These Liquid Ends are available without a 4-FV.

† 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'.

3FV indicates that the pump is equipped with an LMI Three Function Valve (pressure relief, priming aid, line drain).

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

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

Polyprel is a registered trademark of Liquid Metronics, Inc. Fluorofilm, Liquifram, PGC are trademarks of Liquid Metronics, Inc. Hypalon is a registered trademark of E. I. du Pont de Nemours & Co., Inc.

## 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	
A94*, A74*, A14	0.001	0.58	0.004	2.2	0.07	37	0.07	0.37	250 psi (17.3 Bar)
A95*, A75*, A15	0.002	1.00	0.008	3.8	0.13	63	0.13	0.63	110 psi (7.6 Bar)
A96*, A76*, A16	0.004	2.00	0.015	7.6	0.25	126	0.25	1.26	50 psi (3.5 Bar)
A97*, A77*, A17	0.001	0.42	0.005	1.6	0.08	26	0.08	0.26	140 psi (9.7 Bar)
A78*, A18	0.002	0.75	0.009	2.8	0.14	47	0.14	0.47	80 psi (5.5 Bar)

\* Minimum output is based on one stroke per minute. Minimum output can be reduced further in external mode. Series A9 pumps may be programmed for strokes per hour for lower outputs.