

Series G, Model B Mechanical Metering Pumps

Configuration Data

Model **G51** **8-** **541P**

Output Code ⁽¹⁾	
G51	..... 26 GPH @ 60 Hz (82 l/h @ 50 Hz) 150 psi (10.0 Bar)
G52	..... 53 GPH @ 60 Hz (167 l/h @ 50 Hz) 150 psi (10.0 Bar)
G53	..... 106 GPH @ 60 Hz (334 l/h @ 50 Hz) 150 psi (10.0 Bar)
G58 ⁽²⁾ (418 l/h @ 50 Hz) (10.0 Bar)
G63	..... 147 GPH @ 60 Hz (464 l/h @ 50 Hz) 100 psi (7.0 Bar)
G68 ⁽²⁾ (580 l/h @ 50 Hz) (7.0 Bar)
G73	..... 300 GPH @ 60 Hz (946 l/h @ 50 Hz) 50 psi.. (3.5 Bar)
G78 ⁽²⁾ (1183 l/h @ 50 Hz) (3.5 Bar)

Motor	
8	..... 3/4 hp, 1-Phase, 60 Hz, 115/230 V, 1800 rpm, TEFC, 56C Frame
K	..... 0.55 kW, 3-Phase, 50 Hz, 220/380 V, 1500 rpm, TEFC, F165 Flange, 80 Frame
J	..... 3/4 hp, 3-Phase, 60 Hz, 230/460 V, 1800 rpm, TEFC, 56C Frame
H	..... AC Variable Speed Motor, 1 hp, 3-Phase, 230 V, 50/60 Hz
P	..... DC Variable Speed Motor, 1 hp, 1-Phase, 120 V, 50/60 Hz
N	..... No Motor (IEC 80 Frame, F165 Flange)
X	..... No Motor (56C Frame)

Liquid End
See next page for complete liquid end specifications and selection.



Specifications

Series	Capacity ⁽¹⁾ (per Hour)		Strokes per Minute		Maximum Injection Pressure	Stroke Length (Adjustable) Recommended Minimum	Shipping Weight
	Gallons @ 60 Hz	Liters @ 50 Hz	60 Hz	50 Hz			
G51	26	82	43	36	150 psi (10 Bar)	0 - 100% (Minimum 10%)	88 lbs (40 kg) ⁽³⁾
G52	53	167	86	72	150 psi (10 Bar)		
G53	106	334	173	144	150 psi (10 Bar)		
G58 ⁽²⁾	----	418	----	180	----- (10 Bar)		
G63	147	464	173	144	100 psi (7 Bar)		
G68 ⁽²⁾	----	580	----	180	----- (7 Bar)		
G73	300	946	173	144	50 psi (3.5 Bar)		
G78 ⁽²⁾	----	1183	----	180	----- (3.5 Bar)		

(1) Outputs are at maximum rated pressure. At reduced pressures add 1% per 25 psi (1.7 Bar)

(2) Available only with 50 Hz motor

(3) 106 lbs (48 kg) with stainless steel liquid end



8 Post Office Square
Acton, MA 01720 USA
TEL: (978) 263-9800
FAX: (978) 264-9172
<http://www.lmipumps.com>



Configuration Data & Materials of Construction

Drive Assembly	Liquid End No.	Size Code	Materials of Construction					Connections	
			Head / Fittings	Valve Balls	Diaphragm	Valve Seat	Seals	Inch	Metric
G51 ■ - G52 ■ - G53 ■ - G58 ■ -	541P	40	Polypropylene/PVC	Glass	PTFE	PE	Viton®	1/2" NPT F	DN15
	541Q	40	Polypropylene/PVC	Glass	PTFE	PE	Viton®		
	542P	40	PVDF	Ceramic	PTFE	PVDF	PTFE	1/2" NPT F	
	542N	40	PVDF	Ceramic	PTFE	PVDF	PTFE	1/2" BSP F	
	547P	40	316 SS	316 SS	PTFE	316 SS	Viton®	1/2" NPT F	
	547N	40	316 SS	316 SS	PTFE	316 SS	Viton®	1/2" BSP F	
	548P	40	PVC	Glass	PTFE	PE	Viton®	1/2" NPT F	
	548Q	40	PVC	Glass	PTFE	PE	Viton®	DN15	

G63 ■ - G68 ■ -	561P	60	Polypropylene/PVC	PVC	PTFE	PE	Viton®	1" NPT F	DN25
	561Q	60	Polypropylene/PVC	PVC	PTFE	PE	Viton®	1" NPT F	
	562P	60	PVDF	Ceramic	PTFE	PVDF	PTFE	1" NPT F	
	562N	60	PVDF	Ceramic	PTFE	PVDF	PTFE	1" BSP F	
	567P	60	316 SS	316 SS	PTFE	316 SS	PTFE	1" NPT M	
	567N	60	316 SS	316 SS	PTFE	316 SS	PTFE	1" BSP M	
	568P	60	PVC	PVC	PTFE	PE	Viton®	1" NPT F	
	568Q	60	PVC	PVC	PTFE	PE	Viton®	DN25	

G73 ■ - G78 ■ -	581P	80	Polypropylene/PVC	PVC	PTFE	PE	Viton®	1" NPT F	DN25
	581Q	80	Polypropylene/PVC	PVC	PTFE	PE	Viton®	1" NPT F	
	582P	80	PVDF	Ceramic	PTFE	PVDF	PTFE	1" NPT F	
	582N	80	PVDF	Ceramic	PTFE	PVDF	PTFE	1" BSP F	
	587P	80	316 SS	316 SS	PTFE	316 SS	PTFE	1" NPT M	
	587N	80	316 SS	316 SS	PTFE	316 SS	PTFE	1" BSP M	
	588P	80	PVC	PVC	PTFE	PE	Viton®	1" NPT F	
	588Q	80	PVC	PVC	PTFE	PE	Viton®	DN25	

■ See front page for voltage code specifications.

Viton is a registered trademark of E. I. du Pont de Nemours & Co., Inc.

