

# Data Sheet

## Series G, Model B Mechanical Metering Pumps

### Configuration Data

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

Output Code <sup>(1)</sup>	
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 <sup>(2)</sup>	..... (418 l/h @ 50 Hz) ..... (10.0 Bar)
G63	..... 147 GPH @ 60 Hz (464 l/h @ 50 Hz) .... 100 psi (7.0 Bar)
G68 <sup>(2)</sup>	..... (580 l/h @ 50 Hz) ..... (7.0 Bar)
G73	..... 300 GPH @ 60 Hz (946 l/h @ 50 Hz) ..... 50 psi (3.5 Bar)
G78 <sup>(2)</sup>	..... (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 <sup>(1)</sup> (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) <sup>(3)</sup>
G52	53	167	86	72	150 psi (10 Bar)		
G53	106	334	173	144	150 psi (10 Bar)		
G58 <sup>(2)</sup>	----	418	----	180	----- (10 Bar)		
G63	147	464	173	144	100 psi (7 Bar)		
G68 <sup>(2)</sup>	----	580	----	180	----- (7 Bar)		
G73	300	946	173	144	50 psi (3.5 Bar)		
G78 <sup>(2)</sup>	----	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







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## 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®		
	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®		
	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.

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