

## 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><br>(per Hour) |                   | Strokes<br>per Minute |       | Maximum<br>Injection<br>Pressure | Stroke Length<br>(Adjustable)<br>Recommended<br>Minimum | Shipping<br>Weight               |
|--------------------|---------------------------------------|-------------------|-----------------------|-------|----------------------------------|---|----------------------------------|
|                    | Gallons<br>@ 60 Hz                    | Liters<br>@ 50 Hz | 60 Hz                 | 50 Hz |                                  |   |                                  |
| G51                | 26                                    | 82                | 43                    | 36    | 150 psi (10 Bar)                 | 0 - 100%<br>(Minimum 10%)                               | 88 lbs<br>(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



# 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 <span style="color: yellow;">■</span> -<br>G52 <span style="color: yellow;">■</span> -<br>G53 <span style="color: yellow;">■</span> -<br>G58 <span style="color: yellow;">■</span> - | 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 <span style="color: yellow;">■</span> -<br>G68 <span style="color: yellow;">■</span> - | 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 <span style="color: yellow;">■</span> -<br>G78 <span style="color: yellow;">■</span> - | 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.

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