

PUMP MODEL CODING

POLY-GUARD Series Gear Pumps

Example:

P3LPPBB100BVU, designates a Model P3 Pump with the following mat'l selection.

| | | | | | | | | | | | |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| P3 | L | P | P | B | B | 1 | 0 | 0 | B | V | U |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

| Pos. | Description | Selection |
|------|------------------|-------------------------|
| 1 | Pump Model | P3 P3 Pump |
| 2 | Body Mat'l/Ports | L SS/PFA & ANSI Flanges |
| 3 | Drive Gear Mat'l | P PEEK |
| 4 | Idler Gear Mat'l | P PEEK |
| 5 | Wear Plate Mat'l | B Silicon Carbide |
| 6 | Bearing Mat'l | B Silicon Carbide |
| 7 | Motor Frame Size | 1 0.875" (143/145TC) |
| 8 | Containment Can | 0 Alloy-C/PFA-Lined |
| 9 | Bearing Flush | 0 None |
| 10 | Shafts | B Silicon Carbide |
| 11 | O-Rings | V Viton |
| 12 | Mag Coupling | U MCU |

Liquiflo's Model Code describes both the pump's size and materials selected. This model code is required for the future identification of your pump when reordering either a pump or replacement parts.

- Available
- ⊗ Not Available
- CF Contact Factory

Flanges available: ANSI & DIN

CONNECTION SIZES

| | P1 - P4 | P5 - P7 |
|-----------|---------|---------|
| ANSI 150# | 3/4 | 1 1/2 |
| DIN PN16 | 20 | 40 |

Liquiflo PolyGuard Gear Pumps Selection & Availability



Sample Model No. **P3 L P P B B 1 0 0 B V U**

Position No. 1 2 3 4 5 6 7 8 9 10 11 12

| Position Model | 1 Pump Model | P1 | P2 | P3 | P4 | P5 | P6 | P7 |
|---|--|----|----|----|----|----|----|----|
| Position 2 Body Material & Port Type | L = SS/PFA Lined & ANSI Flanges E = SS/PFA Lined & DIN Flanges | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Position 3 Drive Gear | P = PEEK K = Kynar | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Position 4 Idler Gear | P = PEEK K = Kynar | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Position 5 Wear Plates | B = Silicon Carbide E = Carbon 60 | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Position 6 Bearings | B = Silicon Carbide E = Carbon 60 | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Position 7 Motor Frame Size | 0 = 0.625" (NEMA 56C) 1 = 0.875" (NEMA 143/145TC) 2 = 14 mm (IEC 71 - B5) 3 = 19 mm (IEC 80 - B5) 4 = 24 mm (IEC 90 - B5) 5 = 1.125" (NEMA 182/184TC) 8 = 28 mm (IEC 100/112 - B5) | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Position 8 Containment Can | 0 = Alloy-C/PFA-Lined P = PEEK/PFA-Lined | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Position 9 Bearing Flush | 0 = Standard Housings (without Bearing Flush) | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Position 10 Shafts | B = Silicon Carbide | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Position 11 O-Rings | E = EPDM V = Viton K = Kalrez | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Position 12 Magnetic Coupling | U = (MCU) 75 in-lbs B = (MCB) 120 in-lbs | ■ | ■ | ■ | ■ | ⊗ | ⊗ | ⊗ |
| Suffix Trim Options | - 8 = Temperature Trim - 9D = Viscosity Trim (double clearance) - 9T = Viscosity Trim (triple clearance) | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

