## PUMP MODEL CODING
## POLY-GUARD Series Gear Pumps

Example:
**P3UPPBB110BVU**, designates a Model P3 Pump with the following mat'l selection.

| P3 | U | P | P | B | B | 1 | 1 | 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 | U | **SS/PFA & ANSI/DIN Flg.** |
| 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 | 1 | **SS/PTFE-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: Universal ANSI/DIN

CONNECTION SIZES

| | P1 – P4 | P5 – P9 |
|---|---|---|
| ANSI 150# | 3/4 | 1 1/2 |
| DIN PN16 | 20 | 40 |

| Sample Model No. | P3 | U | P | P | B | B | 1 | 1 | 0 | B | V | U |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Position No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

| Position | | | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pump Model | 1 | | | | | | | | | | |
| Basic Material & Port Type | 2 | U = SS/PFA-Lined & Universal ANSI/DIN Flanges | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | | L = SS/PFA-Lined & ANSI Flanges | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| | | E = SS/PFA-Lined & DIN Flanges | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| Drive Gear | 3 | P = PEEK | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | | K = Kynar | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Idler Gear | 4 | P = PEEK | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | | K = Kynar | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Wear Plates | 5 | B = Silicon Carbide | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | | E = Carbon 60 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Bearings | 6 | B = Silicon Carbide | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | | E = Carbon 60 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Motor Frame Size | 7 | 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) | ⊗ | ⊗ | ⊗ | ⊗ | ■ | ■ | ■ | ■ | ■ |
| Containment Can | 8 | 0 = Alloy-C/PFA-Lined | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| | | 1 = SS/PTFE-Lined | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Bearing Flush | 9 | 0 = Standard Housings (without Bearing Flush) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Shafts | 10 | B = Silicon Carbide | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| O-Rings | 11 | E = EPDM | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | | V = Viton | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | | K = Kalrez (FFKM) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Magnetic Coupling | 12 | U = (MCU) 75 in-lbs | ■ | ■ | ■ | ■ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| | | B = (MCB) 125 in-lbs | ⊗ | ⊗ | ⊗ | ⊗ | ■ | ■ | ■ | ■ | ■ |
| Suffix Trim Options | | - 8 = Temperature Trim | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | | - 9D = Viscosity Trim (double clearance) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | | - 9T = Viscosity Trim (triple clearance) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |