

# PUMP MODEL CODING

## POLY-GUARD Series Gear Pumps

Example:

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

<b>P3</b>	<b>U</b>	<b>P</b>	<b>P</b>	<b>B</b>	<b>B</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>B</b>	<b>V</b>	<b>U</b>
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

# Liquiflo Poly-Guard Gear Pumps Selection & Availability



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 Model		P1	P2	P3	P4	P5	P6	P7	P8	P9
<b>Position 1 Pump Model</b>		■	■	■	■	■	■	■	■	■
<b>Position 2 Basic Material &amp; Port Type</b>	U = SS/PFA-Lined & Universal ANSI/DIN Flanges	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
	L = SS/PFA-Lined & ANSI Flanges	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
	E = SS/PFA-Lined & DIN Flanges	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
<b>Position 3 Drive Gear</b>	P = PEEK	■	■	■	■	■	■	■	■	■
	K = Kynar	■	■	■	■	■	■	■	■	■
<b>Position 4 Idler Gear</b>	P = PEEK	■	■	■	■	■	■	■	■	■
	K = Kynar	■	■	■	■	■	■	■	■	■
<b>Position 5 Wear Plates</b>	B = Silicon Carbide	■	■	■	■	■	■	■	■	■
	E = Carbon 60	■	■	■	■	■	■	■	■	■
<b>Position 6 Bearings</b>	B = Silicon Carbide	■	■	■	■	■	■	■	■	■
	E = Carbon 60	■	■	■	■	■	■	■	■	■
<b>Position 7 Motor Frame Size</b>	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)	⊗	⊗	⊗	⊗	■	■	■	■	■
<b>Position 8 Containment Can</b>	0 = Alloy-C/PFA-Lined	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
	1 = SS/PTFE-Lined	■	■	■	■	■	■	■	■	■
<b>Position 9 Bearing Flush</b>	0 = Standard Housings (without Bearing Flush)	■	■	■	■	■	■	■	■	■
	1 = SS/PTFE-Lined	■	■	■	■	■	■	■	■	■
<b>Position 10 Shafts</b>	B = Silicon Carbide	■	■	■	■	■	■	■	■	■
	0 = None	■	■	■	■	■	■	■	■	■
<b>Position 11 O-Rings</b>	E = EPDM	■	■	■	■	■	■	■	■	■
	V = Viton	■	■	■	■	■	■	■	■	■
	K = Kalrez	■	■	■	■	■	■	■	■	■
<b>Position 12 Magnetic Coupling</b>	U = (MCU) 75 in-lbs	■	■	■	■	⊗	⊗	⊗	⊗	⊗
	B = (MCB) 125 in-lbs	⊗	⊗	⊗	⊗	■	■	■	■	■
<b>Suffix Trim Options</b>	- 8 = Temperature Trim	■	■	■	■	■	■	■	■	■
	- 9D = Viscosity Trim (double clearance)	■	■	■	■	■	■	■	■	■
	- 9T = Viscosity Trim (triple clearance)	■	■	■	■	■	■	■	■	■

