



Tuthill Pump Group  
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## W-Series Model Number System

Pos.	Pump Series	Materials of Construction	Gear & Bearing Material	O-Ring Material	Displacement ml/rev			Welded Magnet	Designates Motor Requirement	Motor Series	Pump Series	Magnet	Motor & Drives	
	<b>W</b>	<b>H</b>	<b>E</b>	<b>V</b>	<b>.</b>	<b>5</b>	<b>7</b>	<b>G</b>	<b>-</b>	<b>W</b>	<b>D</b>	<b>G</b>	<b>F</b>	<b>1</b>
1	2	3	4	5	6	7	8	9	10	11	12	13	14	

**Pos. 1 - Pump Series**

W = Water Treatment

**Pos. 2 - Wetted Material of Construction**

S = 316 Stainless Steel

H = Hastelloy C276

T = Titanium

**Pos. 3 - Gear and Bearing Material**

P = PPS (Polyphenylene Sulfide)

E = PEEK (Polyetheretherketone)

T = PTFE

*Available in .23, .38, .57, .68, .80, 1.2 and 1.6 only*

*Requires PTFE O-rings*

*Max differential pressure is 100PSI*

*Max temperature is 140F*

**Pos. 4 - O-Ring**

V = Viton - Standard

T = PTFE

*Required with PTFE gears and bearings*

**Pos. 5-7 - Pump Size; ml/rev.**

.11 = nominal 6 GPH@3500 RPM

.19 = nominal 10 GPH@3500 RPM

.23 = nominal 12 GPH@3500 RPM

.38 = nominal 20 GPH@3500 RPM

.57 = nominal 30 GPH@3500 RPM

.68 = nominal 36 GPH@3500 RPM

.80 = nominal 42 GPH@3500 RPM

.99 = nominal 52 GPH@3500 RPM

1.2 = nominal 63 GPH@3500 RPM

1.3 = nominal 68 GPH@3500 RPM

1.6 = nominal 84 GPH@3500 RPM

2.0 = nominal 105 GPH@3500 RPM

2.3 = nominal 121 GPH@3500 RPM

2.6 = nominal 137 GPH@3500 RPM

5.3 = nominal 279 GPH@3500 RPM

8.0 = nominal 421 GPH@3500 RPM

12. = nominal 650 GPH@3500 RPM

**Pos. 8 - Magnet Torque**

G = 65 oz/in

*Required for .11, .19, .23, .38, .57, .68, .80 sizes*

X = 240 oz/in

*Required for .99, 1.2, 1.3, 1.6, 2.0, 2.3, 2.6, 5.3 and 7.9*

W = 480 oz/in

*Required for 8.0 and 12.0 sizes*

**ALL Magnets are Welded Construction**

**PLEASE NOTE:**

Bypass is not available on W-Series

**Standard Porting:**

1/4" NPT: Sizes .11 - 2.3

3/8" NPT: Sizes 2.6 - 7.9

3/4" NPT Suction, 1/2" NPT Discharge: Sizes 8.0 and 12.0

**Pos. 9 - 14 for Motor and Drive Only.**

**Pos. 9 - Dash**

"-" = Designates Motor Requirement

**Pos. 10 - Motor Series**

W = Water Treatment

**Pos. 11 - Pump Series (Ref: Pos. 5-7)**

D = .11 through 2.3

T = 2.6 and 5.3

W = 8.0 and 12.0

**Pos. 12 - Magnet Torque (Same as Pos. 8)**

G = 65 oz/in

*Required for .11, .19, .23, .38, .57, .68, .80 sizes*

X = 240 oz/in.

*Required for .99, 1.2, 1.3, 1.6, 2.0, 2.3, 2.6, 5.3 and 7.9*

W = 480 oz/in.

*Required for 8.0 and 12.0 sizes*

**Pos. 13-14 - Motor and Drive**

See W-Series Motor and Drive options.

**Service Pack Option:**

Add "SP" in front of the model number, followed by positions 1 through 8 of pump model.

*Example: SPWHEV1.2X*

**Service Pack Consists of:**

Gears, Bearings, O-Rings, Lubricant and Instructions