



FLINT & WALLING

Zoeller Family of Water Solutions™

FW0115
0112
Supersedes
0807

PATRIOT®

4" SUBMERSIBLE

"P" SERIES

1/2, 3/4 and 1 HP

2 Wire and 3 Wire 115 & 230 Volt Motors

5, 7, 11, 19 and 27 GPM Models

The PATRIOT® Series is Flint & Walling's entry level submersible pump. The proven hydraulics and precision engineering make the Patriot® an excellent choice for years of dependable service at an affordable price.

Features:

- Glass-filled Noryl® discharge and mounting ring
- Heavy-wall stainless steel pump shell
- Stainless steel hex drive pump shaft
- Internal removable check valve
- Unique floating stack
- Powered by Franklin Electric



FEATURES AND BENEFITS

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1. **HEAVY SERIES STAINLESS STEEL PUMP SHELL** is crush proof and corrosion-resistant.
 2. **STREAMLINED PVC CABLE GUARD** easily accommodates motor leads and ground wire.
 3. **FRANKLIN®** two or three wire motors. Stainless steel construction with built-in surge protection. UL 778 - recognized and CSA certified.
 4. **STAINLESS STEEL HEX DRIVE PUMP SHAFT** features an integral one-piece stainless steel shaft coupling to ensure positive alignment with the motor.
 5. **GLASS-FILLED NORYL® MOUNTING RING** is precision molded for exact alignment of the motor to the pump end, in order to minimize vibration and noise.
 6. **GLASS-FILLED NORYL® DISCHARGE HEAD** is non-toxic, and designed for long life. Also features large wrench flats on the discharge for easier pump installations.
 7. **INTEGRAL SUCTION SCREEN** provides maximum protection from foreign debris, while providing a large inlet area to maximize flow and minimize friction loss.
 8. **GLASS-FILLED NORYL® SPIDER BEARING** is non-toxic, corrosive resistant and provides excellent wear resistance from sand or abrasive damage.
 9. **PRECISION-MOLDED, FDA-COMPLIANT IMPELLERS AND DIFFUSERS** feature non-fusing and stainless steel thrust-bearing inserts for long life and maximum efficiency.
 10. **FLOATING STACK** with precision molded staging allows abrasive sand to flow through, reducing the chance of pump lockup.
 11. **INTERNAL REMOVABLE CHECK VALVE** is field-proven, with FDA-compliant materials and an elastomer ring to ensure a positive seal.

NORYL® is a registered trademark of General Electric.

PERFORMANCE CHARTS

5 to 27 GPM • 1/2 to 1 HP



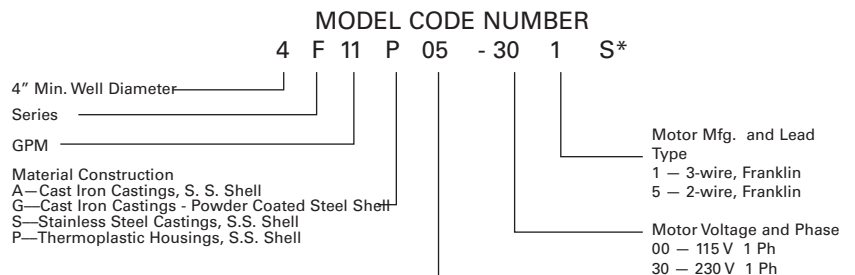
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HP Size, GPM and Model No.	Stages	Motor Type	Ship Wt.	Disch. Press. PSI	DEPTH TO WATER LEVEL IN FEET - CAPACITIES IN GALLONS PER MINUTE																				Maximum Pressure	
					20	40	60	80	100	120	140	160	180	200	225	250	275	300	325	350	400	450	Ft.	PSI		
1/2 HP 5 GPM 4F05P05	15	1 PH 3 Wire	25	0 20 40		9.1 8.3 7.5	9.6 8.8 7.1	9.2 8.4 6.7	8.9 8.1 6.2	8.5 7.7 5.8	8.2 7.3 5.3	7.8 6.9 4.8	7.4 6.5 4.2	7.0 6.0 3.6	6.5 5.5 2.7	5.9 4.8 3.5	5.3 4.1 2.4	4.7 3.3 2.3	4.0 2.3	3.2			390	168		
		1 PH 2 Wire	25	60 80		6.5 6.1 5.6	6.1 5.1 4.6	5.6 4.6 4.0	5.1 4.6 4.0	4.6 3.4 2.6	4.0 3.4 2.6	3.4 2.6 1.2	2.6 1.2	2.7												
1/2 HP 7 GPM 4F07P05	10	1 PH 3 Wire	22	0 20 40	12.9 11.3 9.8 8.1	13.6 12.2 10.7 9.1 7.2	13.0 11.6 10.0 8.3 6.1	12.4 10.9 9.3 7.5 4.9	11.7 10.3 8.5 6.5 3.5	11.0 9.6 7.7 5.3	10.4 9.8 8.1 4.0	9.8 8.9 5.7 2.3	9.0 8.2 4.4	8.2 7.2 2.8	7.2 4.7	5.8 2.6	4.2	2.1					310	134		
		1 PH 2 Wire	22	60 80		6.1 5.6 4.9	5.6 4.6 4.0	5.1 4.6 4.0	4.6 3.4 2.6	4.0 3.4 2.6	3.4 2.6 1.2	2.6 1.2	2.7													
3/4 HP 7 GPM 4F07P07	14	1 PH 3 Wire	27	0 20 40		13.1 12.2 11.2 10.0	13.6 12.7 11.8 9.5	13.2 12.4 11.3 8.9	12.9 11.9 10.9 8.2	12.5 11.5 10.3 7.7	12.0 11.0 9.8 6.9	11.6 10.5 9.2 5.4	11.1 10.0 8.6 5.4	10.7 9.4 8.0 4.4	10.0 8.7 7.2 2.7	9.3 7.9 6.3 4.2	8.5 7.1 5.3 2.3	7.8 6.2 3.9	6.9 5.2 1.8	6.0 3.7	3.4		430	186		
		1 PH 2 Wire	27	60 80		10.0 9.5 8.2	8.2 7.7 6.9	7.7 6.9 6.3	7.2 6.5 5.4	6.5 5.5 4.4	5.5 4.2 2.7	4.4 2.7	2.7													
1/2 HP 11 GPM 4F11P05	7	1 PH 3 Wire	21	0 20 40	13.5 11.6 9.4 6.6	14.6 12.6 10.7 8.3 5.1	13.7 11.8 9.7 7.1 3.4	12.9 11.0 8.7 5.6	12.1 10.0 7.5 3.9	11.2 9.0 6.1 2.0	10.3 7.9 4.5	9.4 6.5 2.6	8.2 5.0	7.0 3.2	5.1	2.9							277	120		
		1 PH 2 Wire	21	60 80		5.1 4.6 3.4	4.6 3.4 2.0	3.9 2.0	2.0																	
3/4 HP 11 GPM 4F11P07	10	1 PH 3 Wire	25	0 20 40	14.5 13.2 11.9 10.5	13.9 12.6 11.3 9.8	14.7 13.3 12.1 8.3	14.1 12.8 11.5 8.3	13.5 12.2 10.9 7.4	13.0 11.7 10.2 6.4	12.4 11.1 9.5 5.3	11.8 10.4 8.8 4.1	11.3 9.8 7.9 2.8	10.6 9.0 7.0 4.5	9.8 8.0 5.7 2.8	8.9 6.8 4.2	7.8 5.5 2.6	6.6 4.0	5.3 2.3	3.8			401	173		
		1 PH 2 Wire	25	60 80		9.8 9.1 8.3	8.3 7.4 6.4	7.4 6.4 5.3	6.4 5.3 4.1	5.3 4.1 2.8	4.1 2.8	2.8														
1 HP 11 GPM 4F11P10	13	1 PH 3 Wire	29	0 20 40	14.9 13.9 12.9 11.8	14.5 13.4 12.4 11.4	14.0 13.0 12.0 10.9	14.6 13.6 12.6 10.3	14.1 13.1 12.1 9.8	13.7 12.7 11.7 9.2	13.3 12.3 11.3 8.5	12.8 11.8 10.7 7.9	12.4 11.3 10.1 7.1	12.0 10.8 9.6 6.3	11.4 10.2 8.8 5.2	10.7 9.5 7.9 4.0	10.1 8.7 7.0 2.6	9.3 7.8 6.0 3.8	8.5 6.9 4.8 2.4	7.7 5.8 3.6	5.6 3.4	3.2	504	218		
		1 PH 2 Wire	29	60 80		10.9 10.3 9.8	9.8 8.5 7.9	8.5 7.9 7.1	7.9 6.3 5.2	6.3 5.2	5.2 4.0	4.0 2.6														
1 HP 19 GPM 4F19P10	9	1 PH 3 Wire	27	0 20 40	25.2 22.5 19.5 15.7	24.0 21.2 17.9 13.7	25.5 22.9 19.8 11.5	24.4 21.7 18.4 8.0	23.2 20.4 16.8 12.2	22.1 19.0 15.2 9.6	20.7 17.4 12.8 3.5	19.4 15.6 10.4	17.8 13.7	16.2 11.4	13.7 6.2	10.7	5.0							283	122	
		1 PH 2 Wire	27	60 80		11.5 10.3 9.8	9.8 8.5 7.9	8.5 7.9 7.1	7.9 6.3 5.2	6.3 5.2	5.2 4.0	4.0 2.6														
1 HP 27 GPM 4F27P10	7	1 PH 3 Wire	27	0 20 40	33.0 28.0 22.0	31.0 25.0 18.0	34.0 29.0 23.0	32.0 26.0 19.0	30.0 24.0 15.0	27.0 20.0 5.0	24.0 17.0	22.0 10.0	18.0	13.0										215	93	
		1 PH 2 Wire	27	60																						

NOTE: Pipe friction loss in drop pipe is not included in chart above.

Pump and motor assembly includes: Pump/motor unit and motor leads. Sta-Kon connectors and rubber electrical tape not included.



*Franklin Stainless steel submersible motors

Composite Performance Curves

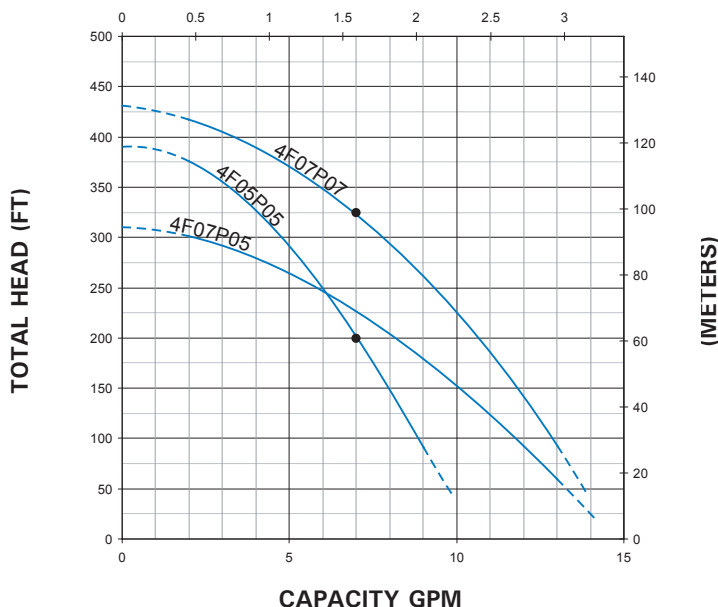
5 to 27 GPM • 1/2 to 1 HP



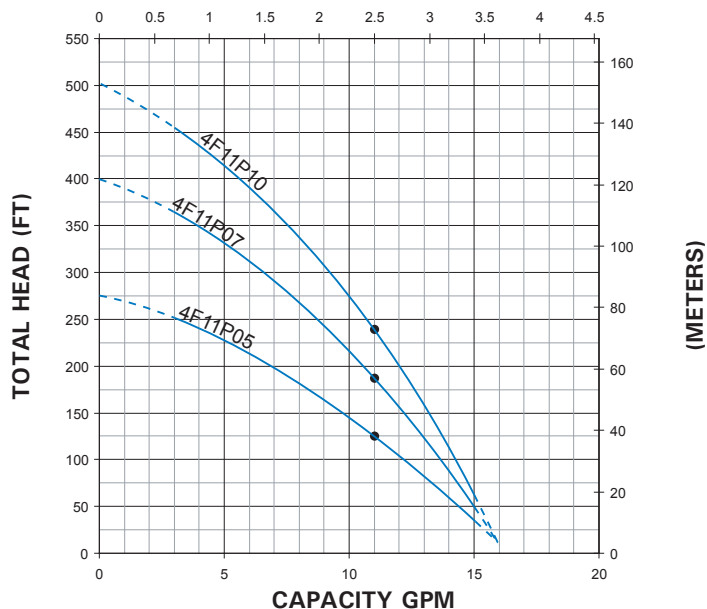
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5 & 7 GPM



11 GPM



19 and 27 GPM

