



corrosion-resistant convertible deep well jet pumps



Durability and corrosion resistance are built into every PL Series Pump, due to the rugged fiberglass reinforced thermoplastic pump construction. The engineered composite components are lightweight yet extremely resistant to sand and abrasive wear. The non-corrosive design and exceptional strength assure years of trouble-free operation.

APPLICATIONS

- Water systems and sprinkling... for homes, farms and cottages.

SPECIFICATIONS

- Pump Body and Seal Plate** – Dura-Glas®
- Impeller** – Noryl®
- Nozzle** – Noryl
- Venturi** – Noryl
- O-Ring** – Buna-N
- Clamp** – Stainless steel
- Shaft** – Stainless steel
- Diffuser** – Reinforced polypropylene with brass wear ring
- Shallow Well Jet** – Sold separately
- Pressure Switch Pre-Set** – 30-50 PSI
- Suction Ports** – Suction-over-Drive

ORDERING INFORMATION

Catalog Number	HP	Description	Pipe Tapping Sizes			Motor Voltage	Approx. Wt. Lbs.
			Suction	Drive	Disch.		
PLC	1/2	Deep Well Jet	1-1/4"	1"	1"	115/230	27
PLD	3/4	Deep Well Jet	1-1/4"	1"	1"	115/230	28
PLE	1	Deep Well Jet	1-1/4"	1"	1"	115/230	30
PLF	1-1/2	Deep Well Jet	1-1/4"	1"	1"	115/230	36

A Jet Package should be ordered with every PL Series pump.

Dura-Glas® is a registered trademark of Pentair Water. Noryl® is a registered trademark of General Electric Co. PRO-Source™ is a trademark of Pentair Water. In order to provide the best products possible, specifications are subject to change.

PL SERIES

FEATURES

- Superior Rustproof Construction** – Pump body is Dura-Glas® fiberglass reinforced thermoplastic – lightweight, rust-proof and exceptionally strong. All components in contact with water are resistant to the corrosive and abrasive forces found in the most aggressive water conditions.
- Precision Diffuser** – Multi-port, reinforced polypropylene design primes faster and handles more air.
- Precision Molded Impeller** – Precision molded Noryl gives perfect balance and ultra-smoothness for highest performance and efficiency.
- Pressure Regulator and Gauge** – Performance-proven, simple, built-in pressure regulator is adjustable for best performance on all deep well installations. Pressure gauge included.
- Shaft Seal** – Stainless steel heat sink provides maximum cooling of the mechanical shaft seal.
- Heavy-duty Motor** – Dustproof canopy completely encloses electrical components and provides dust, dirt and insect protection. Ventilating air cannot contaminate vital switching components. Permanently lubricated, heavy-duty ball bearings ensure smooth, quiet operation and extended motor life.
- Easy Serviceability** – PL pumps are disassembled by removing the stainless steel clamp. Piping does not have to be disturbed. Seal replacement takes only a few minutes. “Control room” motor design makes all components easily accessible.



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OUTLINE DIMENSIONS

Dimensions (in inches) are for estimating purposes only.

Cat No.	HP	A	B
PLC	1/2	13-7/8	4-1/8
PLD	3/4	14-5/8	4-1/8
PLE	1	15-1/8	4-1/8
PLF	1-1/2	16-1/8	4-7/16

PUMP PERFORMANCE (Capacity in Gallons Per Minute)

SHALLOW WELL

Catalog Number	HP	S.W. Jet No.	Press. Switch Setting	Dynamic Suct. Lift Ft.	Discharge Pressure — PSI					Shut-Off Press. PSI
					20	30	40	50	60	
PLC	1/2	PKG 1- 21N	30-50	5'	9.5	9.2	9.0	5.8	3.0	72
				10'	8.2	8.0	7.8	5.2	2.3	70
				15'	7.2	6.8	6.8	4.5	1.8	68
				20'	5.7	5.7	5.7	3.8		66
				25'	4.3	4.3	4.3	3.2		62
PLD	3/4	PKG 1- 22N	30-50	5'	16.2	15.8	15.3	8.7	1.3	62
				10'	14.2	14.0	13.8	7.2		60
				15'	12.2	12.0	11.8	5.3		58
				20'	9.7	9.7	9.2	3.7		55
				25'	7.2	6.8	6.8			52
PLE	1	PKG 1- 23N	30-50	5'	21.3	21.0	20.7	13.2	4.2	62
				10'	18.8	18.7	18.3	11.1	1.7	60
				15'	16.0	15.8	15.7	8.9		58
				20'	12.8	12.7	12.3	5.7		55
				25'	8.5	8.5	8.5			52
PLF	1-1/2	PKG 1- 24N	30-50	5'	26.3	26.2	26.2	21.3	7.7	64
				10'	23.7	23.3	23.2	19.2	3.5	62
				15'	20.3	20.2	20.0	16.3		60
				20'	16.2	16.0	15.8	11.2		57
				25'	11.5	11.3	11.3			54

Tested and rated in accordance with Water Systems Council standards.

NOTE: Pumps installed with a PRO-Source™ tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.



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PUMP PERFORMANCE (Capacity in Gallons Per Minute)															
DEEP WELL 4" DOUBLE PIPE – 40 PSI															
Cat. No.	HP	Jet No.	Uses Venturi	Uses Nozzle	Pumping Depth in Feet										
					20'	30'	40'	50'	60'	70'	80'	90'	100'	110'	120'
PLC	1/2	4SD	J32P-24	J34P-41		4.5	3.5	2.3	1.3						
		10SD	N32P-67B	J34P-44		9.5	7.0	4.5	2.0						
PLD	3/4	4SD	J32P-24	J34P-41		6.5	5.1	4.0	3.0	1.8	0.8				
PLE	1	4SD	J32P-24	J34P-41		8.4	7.3	6.2	5.0	4.1	2.9	2.0	1.1		
PLF	1-1/2	11SD	N32P-68B	J34P-44		11.5	9.4	8.0	6.5	5.3	3.8	2.5	1.1		

PUMP PERFORMANCE (Capacity in Gallons Per Minute)															
DEEP WELL 2" SINGLE PIPE – 40 PSI															
Cat. No.	HP	Jet No.	Uses Venturi	Nozzle	Pumping Depth in Feet										
					20'	30'	40'	50'	60'	70'	80'	90'	100'	110'	120'
PLC	1/2	13AP	J32P-26	J34P-44	5.8	3.8	1.0								
		10AP	J32P-24	J34P-44	4.3	3.0	1.6								
		8AP	J32P-18	J34P-42	3.8	3.3	2.6	2.0	1.5						
PLD	3/4	14AP	J32P-32	J34P-45	9.2	6.7	4.3								
		10AP	J32P-24	J34P-44	6.2	4.8	3.7	2.3	1.2						
		8AP	J32P-18	J34P-42	4.1	3.7	3.1	2.6	2.1	1.6	1.2	0.8			
PLE	1	15AP	J32P-33	J34P-41	12.3	9.2	5.7								
		9AP	J32P-29	J34P-44	10.6	7.4	4.7	2.2							
		8AP	J32P-18	J34P-42	5.0	4.7	4.2	3.8	3.3	2.7	2.3	1.8	1.3		
PLF	1-1/2	16AP	J32P-38	J34P-45	15.3	11.8	8.5	5.2							
		9AP	J32P-29	J34P-44		12.3	9.3	6.4	4.0						
		8AP	J32P-18	J34P-42		5.7	5.0	4.6	4.2	3.7	3.3	2.8	2.4	1.8	1.3
DEEP WELL 3" SINGLE PIPE – 40 PSI															
PLC	1/2	25CP	J32P-26	J34P-44	5.8	4.0	2.1								
		19CP	J32P-24	J34P-41		4.5	3.5	2.3	1.3						
PLD	3/4	11CP	J32P-32	J34P-45	9.5	7.0	4.5	2.0							
		19CP	J32P-24	J34P-41		6.5	5.1	4.0	3.0	1.8	0.8				
PLE	1	26CP	J32P-33	J34P-41	13.0	9.8	6.0								
		17CP	J32P-29	J34P-44		11.5	8.0	5.2	2.6						
		19CP	J32P-24	J34P-41		8.4	7.3	6.2	5.0	4.1	2.9	2.0	1.1		
PLF	1-1/2	10CP	J32P-38	J34P-45	16.6	13.3	9.5	6.0							
		15CP	J32P-22	J34P-43		8.6	7.9	6.9	6.2	5.4	4.4	3.2	2.2	1.5	0.9

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