



PENTEK Intellikit™

Pre-Specified and Packaged Constant Pressure Systems for Residential Well Water

Maintain constant water pressure for submersible well pump systems, similar to municipal water systems



Kit contains:

- PENTEK® Submersible Motor
- Berkeley® Submersible Pump
- PENTEK Intellidrive™ Variable Frequency Drive

The PENTEK Intellidrive Water Pressure Control Center automatically adjusts motor speeds to meet changes in water demand. Instantaneous feedback from an electronic pressure transducer instructs the drive to change the submersible well pump motor speed to maintain constant pressure throughout the system.

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- 1** **PENTEK Submersible Motor**
 - Built with the latest design, manufacturing and testing technology
 - Encapsulated stainless steel design and professional-grade insulation provide longer life in harsh environments
 - 100% factory pressure- and run-tested
- 2** **Berkeley Submersible Pump**
 - Submersible pumps deliver efficient and dependable performance even in rough, aggressive water
 - One of the few manufacturers of both pumps and pressurized water storage tanks, now sold in over 100 countries
- 3** **PENTEK Intellidrive Variable Frequency Drive**
 - Maintains constant pressure output regardless of fluctuating demand
 - Extends life of pump and motor
 - Utilizes a smaller pressure tank for a space-saving solution
 - Energy savings from managed speed



PENTEK Intellikit™

ORDERING INFORMATION

60 Hz NEMA 1 Kits		60 Hz NEMA 3 Kits		Flow Series	HP	Shut Off Head TDH (ft)	At Rated Flow TDH (ft)	At Max Runout		Pump	Motor
Catalog Number	Drive	Catalog Number	Drive					Flow (gpm)	TDH (ft)		
B5PIK-10-A1	PID-1-4A7-1	B5PIK-10-A3	PID-1-4A7-3	5	1	650	475	7	300	L5P4EMGS	P43B0010A3
B5PIK-15-A1	PID-1-7A6-1	B5PIK-15-A3	PID-1-7A6-3	5	1.5	885	640	7	400	L5P4FMGS	P43B0015A3
B7PIK-10-A1	PID-1-4A7-1	B7PIK-10-A3	PID-1-4A7-3	7	1	540	380	10	140	L7P4EMGS	P43B0010A3
B7PIK-15-A1	PID-1-7A6-1	B7PIK-15-A3	PID-1-7A6-3	7	1.5	740	475	10	190	L7P4FMGS	P43B0015A3
B7PIK-20-A1	PID-1-7A6-1	B7PIK-20-A3	PID-1-7A6-3	7	2	920	610	10	210	L7P4GMGS	P43B0020A3
B10PIK-10-A1	PID-1-4A7-1	B10PIK-10-A3	PID-1-4A7-3	10	1	495	300	15	110	L10P4EMGS	P43B0010A3
B10PIK-15-A1	PID-1-7A6-1	B10PIK-15-A3	PID-1-7A6-3	10	1.5	629	410	15	150	L10P4FMGS	P43B0015A3
B10PIK-20-A1	PID-1-7A6-1	B10PIK-20-A3	PID-1-7A6-3	10	2	795	498	15	200	L10P4GMGS	P43B0020A3
B10PIK-30-A1	PID-1-10A1-1	B10PIK-30-A3	PID-1-10A1-3	10	3	1100	710	15	250	L10P4HMGS	P43B0030A3
B15PIK-10-A1	PID-1-4A7-1	B15PIK-10-A3	PID-1-4A7-3	15	1	310	200	21	95	L15P4EMGS	P43B0010A3
B15PIK-15-A1	PID-1-7A6-1	B15PIK-15-A3	PID-1-7A6-3	15	1.5	420	280	21	120	L15P4FMGS	P43B0015A3
B15PIK-20-A1	PID-1-7A6-1	B15PIK-20-A3	PID-1-7A6-3	15	2	522	350	21	150	L15P4GMGS	P43B0020A3
B15PIK-30-A1	PID-1-10A1-1	B15PIK-30-A3	PID-1-10A1-3	15	3	770	520	21	230	L15P4HMGS	P43B0030A3
B20PIK-10-A1	PID-1-4A7-1	B20PIK-10-A3	PID-1-4A7-3	20	1	250	185	28	80	L20P4EMGS	P43B0010A3
B20PIK-15-A1	PID-1-7A6-1	B20PIK-15-A3	PID-1-7A6-3	20	1.5	335	232	28	110	L20P4FMGS	P43B0015A3
B20PIK-20-A1	PID-1-7A6-1	B20PIK-20-A3	PID-1-7A6-3	20	2	420	310	28	150	L20P4GMGS	P43B0020A3
B20PIK-30-A1	PID-1-10A1-1	B20PIK-30-A3	PID-1-10A1-3	20	3	640	460	28	200	L20P4HMGS	P43B0030A3
B30PIK-20-A1	PID-1-7A6-1	B30PIK-20-A3	PID-1-7A6-3	30	2	275	195	42	85	L30P4GMGS	P43B0020A3
B30PIK-30-A1	PID-1-10A1-1	B30PIK-30-A3	PID-1-10A1-3	30	3	410	295	42	120	L30P4HMGS	P43B0030A3
B50PIK-20-A1	PID-1-7A6-1	B50PIK-20-A3	PID-1-7A6-3	50	2	180	119	63	80	L50P4GMGS	P43B0020A3
B50PIK-30-A1	PID-1-10A1-1	B50PIK-30-A3	PID-1-10A1-3	50	3	240	162	63	110	L50P4HMGS	P43B0030A3
B90PIK-20-A1	PID-1-7A6-1	B90PIK-20-A3	PID-1-7A6-3	90	2	109	58	120	40	L90BF20	P43B0020A3
B90PIK-30-A1	PID-1-10A1-1	B90PIK-30-A3	PID-1-10A1-3	90	3	150	80	120	55	L90BF30	P43B0030A3

80 Hz NEMA 1 Kits		80 Hz NEMA 3 Kits		Flow Series	HP	Shut Off Head TDH (ft)	At Rated Flow TDH (ft)	At Max Runout		Pump	Motor
Catalog Number	Drive	Catalog Number	Drive					Flow (gpm)	TDH (ft)		
B7PIK-15-B1	PID-1-7A6-1	B7PIK-15-B3	PID-1-7A6-3	7	1.5	740	475	10	190	L7P4DMGS	P43B0015A3
B7PIK-20-B1	PID-1-7A6-1	B7PIK-20-B3	PID-1-7A6-3	7	2	920	610	10	210	L7P4EMGS	P43B0020A3
B7PIK-30-B1	PID-1-10A1-1	B7PIK-30-B3	PID-1-10A1-3	7	3	1205	805	10	290	L7P4FMGS	P43B0030A3
B10PIK-15-B1	PID-1-7A6-1	B10PIK-15-B3	PID-1-7A6-3	10	1.5	629	410	15	150	L10P4DMGS	P43B0015A3
B10PIK-20-B1	PID-1-7A6-1	B10PIK-20-B3	PID-1-7A6-3	10	2	795	498	15	200	L10P4EMGS	P43B0020A3
B10PIK-30-B1	PID-1-10A1-1	B10PIK-30-B3	PID-1-10A1-3	10	3	1100	710	15	250	L10P4FMGS	P43B0030A3
B15PIK-15-B1	PID-1-7A6-1	B15PIK-15-B3	PID-1-7A6-3	15	1.5	420	280	21	120	L15P4DMGS	P43B0015A3
B15PIK-20-B1	PID-1-7A6-1	B15PIK-20-B3	PID-1-7A6-3	15	2	522	350	21	150	L15P4EMGS	P43B0020A3
B15PIK-30-B1	PID-1-10A1-1	B15PIK-30-B3	PID-1-10A1-3	15	3	770	520	21	230	L15P4FMGS	P43B0030A3
B20PIK-15-B1	PID-1-7A6-1	B20PIK-15-B3	PID-1-7A6-3	20	1.5	335	232	28	110	L20P4DMGS	P43B0015A3
B20PIK-20-B1	PID-1-7A6-1	B20PIK-20-B3	PID-1-7A6-3	20	2	420	310	28	150	L20P4EMGS	P43B0020A3
B20PIK-30-B1	PID-1-10A1-1	B20PIK-30-B3	PID-1-10A1-3	20	3	640	460	28	200	L20P4FMGS	P43B0030A3
B30PIK-20-B1	PID-1-7A6-1	B30PIK-20-B3	PID-1-7A6-3	30	2	275	195	42	85	L30P4EMGS	P43B0020A3
B30PIK-30-B1	PID-1-10A1-1	B30PIK-30-B3	PID-1-10A1-3	30	3	410	295	42	120	L30P4FMGS	P43B0030A3
B50PIK-30-B1	PID-1-10A1-1			50	3	240	162	63	110	L50P4FMGS	P43B0030A3
B90PIK-30-B1	PID-1-10A1-1			90	3	150	80	120	55	L90BF20	P43B0030A3

NOTE: 80Hz Kits utilize an undersized liquid end running at higher speed to match pump performance of the curve equivalent to the driving motor. Maximum life expectancy of the liquid end is obtained during 60Hz solutions.