

PENTEK Intellikit™

Constant Pressure Controller

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 Constant Pressure Controller 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.

1

PENTEK

Submersible 3-Phase 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

PENTEK Intellikit™

Constant Pressure Controller

ORDERING INFORMATION

60Hz NEMA 3 Kits

Order Number	Flow Series	HP	Shut-Off Head	At Rated Flow	at Max Runout		Pump	Drive	Motor
			TDH (ft)	TDH (ft)	Flow (GPM)	TDH (ft)			
B5PIK10-60	5	1HP	650	475	7	300	L5P4EMGS	PID10	P43B0010A3-C
B5PIK15-60	5	1.5HP	885	640	7	400	L5P4FMGS	PID20	P43B0015A3-C
B7PIK10-60	7	1HP	540	380	10	140	L7P4EMGS	PID10	P43B0010A3-C
B7PIK15-60	7	1.5HP	740	475	10	190	L7P4FMGS	PID20	P43B0015A3-C
B7PIK20-60	7	2HP	920	610	10	210	L7P4GMGS	PID20	P43B0020A3-C
B10PIK10-60	10	1HP	495	300	15	110	L10P4EMGS	PID10	P43B0010A3-C
B10PIK15-60	10	1.5HP	629	410	15	150	L10P4FMGS	PID20	P43B0015A3-C
B10PIK20-60	10	2HP	795	498	15	200	L10P4GMGS	PID20	P43B0020A3-C
B10PIK30-60	10	3HP	1100	710	15	250	L10P4HMGS	PID30	P43B0030A3-C
B15PIK10-60	15	1HP	310	200	21	95	L15P4EMGS	PID10	P43B0010A3-C
B15PIK15-60	15	1.5HP	420	280	21	120	L15P4FMGS	PID20	P43B0015A3-C
B15PIK20-60	15	2.0HP	522	350	21	150	L15P4GMGS	PID20	P43B0020A3-C
B15PIK30-60	15	3.0HP	770	520	21	230	L15P4HMGS	PID30	P43B0030A3-C
B20PIK10-60	20	1HP	250	185	28	80	L20P4EMGS	PID10	P43B0010A3-C
B20PIK15-60	20	1.5HP	335	232	28	110	L20P4FMGS	PID20	P43B0015A3-C
B20PIK20-60	20	2.0HP	420	310	28	150	L20P4GMGS	PID20	P43B0020A3-C
B20PIK30-60	20	3.0HP	640	460	28	200	L20P4HMGS	PID30	P43B0030A3-C
B30PIK20-60	30	2.0HP	275	195	42	85	L30P4GMGS	PID20	P43B0020A3-C
B30PIK30-60	30	3.0HP	410	295	42	120	L30P4HMGS	PID30	P43B0030A3-C
B50PIK20-60	50	2.0HP	180	119	63	80	L50P4GMGS	PID20	P43B0020A3-C
B50PIK30-60	50	3.0HP	240	162	63	110	L50P4HMGS	PID30	P43B0030A3-C
B90PIK20-60	90	2.0HP	109	58	120	40	L90HF20	PID20	P43B0020A3-C
B90PIK30-60	90	3.0HP	150	80	120	55	L90HF30	PID30	P43B0030A3-C

80Hz NEMA 3 Kits

B7PIK15-80	7	1.5HP	740	475	10	190	L7P4DMGS	PID20	P43B0015A3-C
B7PIK20-80	7	2HP	920	610	10	210	L7P4EMGS	PID20	P43B0020A3-C
B7PIK30-80	7	3HP	1205	805	10	290	L7P4FMGS	PID30	P43B0030A3-C
B10PIK15-80	10	1.5HP	629	410	15	150	L10P4DMGS	PID20	P43B0015A3-C
B10PIK20-80	10	2HP	795	498	15	200	L10P4EMGS	PID20	P43B0020A3-C
B10PIK30-80	10	3HP	1100	710	15	250	L10P4FMGS	PID30	P43B0030A3-C
B15PIK15-80	15	1.5HP	420	280	21	120	L15P4DMGS	PID20	P43B0015A3-C
B15PIK20-80	15	2.0HP	522	350	21	150	L15P4EMGS	PID20	P43B0020A3-C
B15PIK30-80	15	3.0HP	770	520	21	230	L15P4FMGS	PID30	P43B0030A3-C
B20PIK15-80	20	1.5HP	335	232	28	110	L20P4DMGS	PID20	P43B0015A3-C
B20PIK20-80	20	2.0HP	420	310	28	150	L20P4EMGS	PID20	P43B0020A3-C
B20PIK30-80	20	3.0HP	640	460	28	200	L20P4FMGS	PID30	P43B0030A3-C
B30PIK20-80	30	2.0HP	275	195	42	85	L30P4EMGS	PID20	P43B0020A3-C
B30PIK30-80	30	3.0HP	410	295	42	120	L30P4FMGS	PID30	P43B0030A3-C
B50PIK30-80	50	3.0HP	240	162	63	110	L50P4FMGS	PID30	P43B0030A3-C
B90PIK30-80	90	3.0HP	150	80	120	55	L90HF20	PID30	P43B0030A3-C

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 using 60Hz solutions.



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