

PENTEK INTELLIKIT

CONSTANT PRESSURE CONTROLLER



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.

- ◆ 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:

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. 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.

BERKELEY ORDERING INFORMATION

60HZ NEMA 3 KITS

ORDER #	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

80 Hz NEMA 3 KITS

ORDER #	FLOW SERIES	HP	SHUT-OFF HEAD	AT RATED FLOW	AT MAX RUNOUT		PUMP	DRIVE	MOTOR
			TDH (FT)	TDH (FT)	FLOW (GPM)	TDH (FT)			
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

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.

MYERS ORDERING INFORMATION

60HZ NEMA 3 KITS

ORDER #	FLOW SERIES	HP	SHUT-OFF HEAD	AT RATED FLOW	AT MAX RUNOUT		PUMP	DRIVE	MOTOR
			TDH (FT)	TDH (FT)	FLOW (GPM)	TDH (FT)			
M5PIK10-60	5	1	650	475	7	300	ST10-5PLUS	PID10	P43B0010A3-C
M5PIK15-60	5	1.5	885	640	7	400	ST15-5PLUS	PID20	P43B0015A3-C
M8PIK10-60	7/8	1	540	380	10	140	ST10-8PLUS	PID10	P43B0010A3-C
M8PIK15-60	7/8	1.5	740	475	10	190	ST15-8PLUS	PID20	P43B0015A3-C
M8PIK20-60	7/8	2	920	610	10	210	ST20-8PLUS	PID20	P43B0020A3-C
M12PIK10-60	10/12	1	495	300	15	110	ST10-12PLUS	PID10	P43B0010A3-C
M12PIK15-60	10/12	1.5	629	410	15	150	ST15-12PLUS	PID20	P43B0015A3-C
M12PIK20-60	10/12	2	795	498	15	200	ST20-12PLUS	PID20	P43B0020A3-C
M12PIK30-60	10/12	3	1100	710	15	250	ST30-12PLUS	PID30	P43B0030A3-C
M15PIK10-60	15	1	310	200	21	95	ST10-15PLUS	PID10	P43B0010A3-C
M15PIK15-60	15	1.5	420	280	21	120	ST15-15PLUS	PID20	P43B0015A3-C
M15PIK20-60	15	2	522	350	21	150	ST20-15PLUS	PID20	P43B0020A3-C
M15PIK30-60	15	3	770	520	21	230	ST30-15PLUS	PID30	P43B0030A3-C
M20PIK10-60	20	1	250	185	28	80	ST10-20PLUS	PID10	P43B0010A3-C
M20PIK15-60	20	1.5	335	232	28	110	ST15-20PLUS	PID20	P43B0015A3-C
M20PIK20-60	20	2	420	310	28	150	ST20-20PLUS	PID20	P43B0020A3-C
M20PIK30-60	20	3	640	460	28	200	ST30-20PLUS	PID30	P43B0030A3-C
M30PIK15-60	30	1.5	210	145	42	55	SS15-30	PID20	P43B0015A3-C
M30PIK20-60	30	2	275	195	42	85	SS20-30	PID20	P43B0020A3-C
M30PIK30-60	30	3	410	295	42	120	SS30-30	PID30	P43B0030A3-C
M50PIK30-60	50	3	180	119	63	80	SS30-50	PID30	P43B0030A3-C

80HZ NEMA 3 KITS

ORDER #	FLOW SERIES	HP	SHUT-OFF HEAD	AT RATED FLOW	AT MAX RUNOUT		PUMP	DRIVE	MOTOR
			TDH (FT)	TDH (FT)	FLOW (GPM)	TDH (FT)			
M8PIK15-80	7/8	1.5	740	475	10	190	ST7-8PLUS	PID20	P43B0015A3-C
M8PIK20-80	7/8	2.5	920	610	10	210	ST10-8PLUS	PID20	P43B0020A3-C
M12PIK15-80	10/12	1.5	629	410	15	150	ST7-12PLUS	PID20	P43B0015A3-C
M12PIK20-80	10/12	2	795	498	15	200	ST10-12PLUS	PID20	P43B0020A3-C
M12PIK30-80	10/12	3	1100	710	15	250	ST15-12PLUS	PID30	P43B0030A3-C
M15PIK15-80	15	1.5	420	280	21	120	ST7-15PLUS	PID20	P43B0015A3-C
M15PIK20-80	15	2	522	350	21	150	ST10-15PLUS	PID20	P43B0020A3-C
M15PIK30-80	15	3	770	520	21	230	ST15-15PLUS	PID30	P43B0030A3-C
M20PIK15-80	20	1.5	335	232	28	110	ST7-20PLUS	PID20	P43B0015A3-C
M20PIK20-80	20	2	420	310	28	150	ST10-20PLUS	PID20	P43B0020A3-C
M20PIK30-80	20	3	640	460	28	200	ST15-20PLUS	PID30	P43B0030A3-C
M30PIK20-80	30	2	275	195	42	85	SS10-30	PID20	P43B0020A3-C
M30PIK30-80	30	3	410	295	42	120	SS15-30	PID30	P43B0030A3-C
M50PIK30-80	50	3	180	119	63	80	SS15-50	PID30	P43B0030A3-C

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.

60HZ NEMA 3 KITS

ORDER #	FLOW SERIES	HP	SHUT-OFF HEAD	AT RATED FLOW	AT MAX RUNOUT		PUMP	DRIVE	MOTOR
			TDH (FT)	TDH (FT)	FLOW (GPM)	TDH (FT)			
S5PIK10-60	5	1HP	650	475	7	300	L5P4EHL	PID10	P43B0010A3-C
S5PIK15-60	5	1.5HP	885	640	7	400	L5P4FHL	PID20	P43B0015A3-C
S7PIK10-60	7	1HP	540	380	10	140	L7P4EHL	PID10	P43B0010A3-C
S7PIK15-60	7	1.5HP	740	475	10	190	L7P4FHL	PID20	P43B0015A3-C
S7PIK20-60	7	2HP	920	610	10	210	L7P4GHL	PID20	P43B0020A3-C
S10PIK10-60	10	1HP	495	300	15	110	L10P4EH	PID10	P43B0010A3-C
S10PIK15-60	10	1.5HP	629	410	15	150	L10P4FH	PID20	P43B0015A3-C
S10PIK20-60	10	2HP	795	498	15	200	L10P4GH	PID20	P43B0020A3-C
S10PIK30-60	10	3HP	1100	710	15	250	L10P4HH	PID30	P43B0030A3-C
S15PIK10-60	15	1HP	310	200	21	95	L15P4EH	PID10	P43B0010A3-C
S15PIK15-60	15	1.5HP	420	280	21	120	L15P4FH	PID20	P43B0015A3-C
S15PIK20-60	15	2.0HP	522	350	21	150	L15P4GH	PID20	P43B0020A3-C
S15PIK30-60	15	3.0HP	770	520	21	230	L15P4HH	PID30	P43B0030A3-C
S20PIK10-60	20	1HP	250	185	28	80	L20P4EH	PID10	P43B0010A3-C
S20PIK15-60	20	1.5HP	335	232	28	110	L20P4FH	PID20	P43B0015A3-C
S20PIK20-60	20	2.0HP	420	310	28	150	L20P4GH	PID20	P43B0020A3-C
S20PIK30-60	20	3.0HP	640	460	28	200	L20P4HH	PID30	P43B0030A3-C
S30PIK20-60	30	2.0HP	275	195	42	85	L30P4GH	PID20	P43B0020A3-C
S30PIK30-60	30	3.0HP	410	295	42	120	L30P4HH	PID30	P43B0030A3-C
S50PIK20-60	50	2.0HP	180	119	63	80	L50P4GH	PID20	P43B0020A3-C

80HZ NEMA 3 KITS

ORDER #	FLOW SERIES	HP	SHUT-OFF HEAD	AT RATED FLOW	AT MAX RUNOUT		PUMP	DRIVE	MOTOR
			TDH (FT)	TDH (FT)	FLOW (GPM)	TDH (FT)			
S7PIK15-80	7	1.5HP	740	475	10	190	L7P4DHL	PID20	P43B0015A3-C
S7PIK20-80	7	2HP	920	610	10	210	L7P4EHL	PID20	P43B0020A3-C
S7PIK30-80	7	3HP	1205	805	10	290	L7P4FHL	PID30	P43B0030A3-C
S10PIK15-80	10	1.5HP	629	410	15	150	L10P4DH	PID20	P43B0015A3-C
S10PIK20-80	10	2HP	795	498	15	200	L10P4EH	PID20	P43B0020A3-C
S10PIK30-80	10	3HP	1100	710	15	250	L10P4FH	PID30	P43B0030A3-C
S15PIK15-80	15	1.5HP	420	280	21	120	L15P4DH	PID20	P43B0015A3-C
S15PIK20-80	15	2.0HP	522	350	21	150	L15P4EH	PID20	P43B0020A3-C
S15PIK30-80	15	3.0HP	770	520	21	230	L15P4FH	PID30	P43B0030A3-C
S20PIK15-80	20	1.5HP	335	232	28	110	L20P4DH	PID20	P43B0015A3-C
S20PIK20-80	20	2.0HP	420	310	28	150	L20P4EH	PID20	P43B0020A3-C
S20PIK30-80	20	3.0HP	640	460	28	200	L20P4FH	PID30	P43B0030A3-C
S30PIK20-80	30	2.0HP	275	195	42	85	L30P4EH	PID20	P43B0020A3-C
S30PIK30-80	30	3.0HP	410	295	42	120	L30P4FH	PID30	P43B0030A3-C

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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