

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.

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| ORDER # | FLOW SERIES | HP | SHUT-OFF HEAD | AT RATED FLOW | AT MAX RUNOUT | | PUMP | DRIVE | MOTOR |
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| | | | 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 |

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| | | | 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 |
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