

4" SUBMERSIBLE PUMPS

PREDATOR PLUS SERIES



POWERED BY
PENTEK®



Precision engineered, rugged pumps deliver efficient, dependable performance even in rough, aggressive water. Heads to 1,950 feet and capacities to 65 GPM. Built to deliver long term, trouble free service. Floating impeller design resists sand and reduces sand locking. These pumps feature the proven SignaSeal™ staging system.

APPLICATIONS

Water systems for residential, industrial, commercial, multiple housing, and farm use.

SPECIFICATIONS

Shell: Stainless steel.

Diameter: 3-7/8".

Discharge: Stainless steel.

Discharge Bearing: Nylatron®.

Intermediate Bearing: (On larger units) polycarbonate, nitrile rubber and stainless steel.

Impellers: Acetal†.

Diffusers: Polycarbonate.

Suction Caps: Polycarbonate with stainless steel insert.

Thrust Pads: Proprietary specifications.

Shaft and Coupling: Stainless steel.

Intake: Stainless steel.

Intake Screen: Polypropylene.

Cable Guard: Stainless steel.

Check Valve: Acetal.

Agency Listings: CSA.

FEATURES

Proven Staging System: Our proven SignaSeal staging system incorporates a harder-than-sand ceramic wear surface that when incorporated with our floating impeller design, greatly reduces problems with abrasives, sand lock up and running dry.

Discharge: Corrosion resistant 300 grade stainless steel for durability in aggressive water. Large octagon wrench area for ease of installation.

Discharge Bearing: Self lubricating Nylatron bearing resists wear from sand.

Intake: Corrosion resistant 300 grade stainless steel for durability in aggressive water.

Shaft: Positive drive from 7/16" hexagonal heavy-duty 300 grade stainless steel.

Coupling: Stainless steel press fit to pump shaft. Couples to all standard NEMA motors.

Shell: Highest grade, heavy walled corrosion resistant stainless steel. Threaded for easy servicing.

Hardware: All screws, washers and nuts are corrosion resistant 300 grade stainless steel.

Check Valve†: Durable internal spring-loaded check valve.

Cable Guard: Corrosion resistant stainless steel guard protects motor leads. Tapered ends prevent pump from catching on well.

Intake Screen: Corrosion proof.

Pentek XE Series Motor: 2 and 3 wire NEMA standard all stainless construction water filled motors.

4" SUBMERSIBLE PUMPS PREDATOR PLUS SERIES

ORDERING INFORMATION

| GPM | MOTOR TYPE | HP | STGS. | PH† | VOLT | ASSEMBLED PUMP | | | PUMP END | | | MOTOR | | CONTROL BOX | |
|-----|------------|-------|-------|-----|------|-----------------|-------------|--------------|----------------|-------------|--------------|----------------|--------------|----------------|--------------|
| | | | | | | CATALOG NUMBER | LENGTH IN.* | WEIGHT LBS.* | CATALOG NUMBER | LENGTH IN.* | WEIGHT LBS.* | CATALOG NUMBER | WEIGHT LBS.* | CATALOG NUMBER | WEIGHT LBS.* |
| 5 | 2 WIRE | 1/2 | 14 | 1 | 115 | 2ST51-5PLUS-P4 | 28 | 28 | ST5-5PLUS | 18 | 12 | P42B0005A1 | 19 | | |
| | | 1/2 | 14 | 1 | 230 | 2ST52-5PLUS-P4 | 28 | 28 | ST5-5PLUS | 18 | 12 | P42B0005A2 | 19 | | |
| | | 3/4 | 19 | 1 | 230 | 2ST72-5PLUS-P4 | 33 | 34 | ST7-5PLUS | 22 | 15 | P42B0007A2 | 23 | | |
| | | 1 | 22 | 1 | 230 | 2ST102-5PLUS-P4 | 37 | 39 | ST10-5PLUS | 26 | 17 | P42B0010A2 | 25 | | |
| | | 1-1/2 | 30 | 1 | 230 | 2ST152-5PLUS-P4 | 47 | 51 | ST15-5PLUS | 32 | 21 | P42B0015A2 | 29 | | |
| | 3 WIRE | 1/2 | 13 | 1 | 115 | 3ST51-5PLUS-P4 | 27-1/2 | 28 | ST5-5PLUS | 18 | 12 | P43B0005A1 | 19 | SMC-IR0511 | 4 |
| | | 1/2 | 14 | 1 | 230 | 3ST52-5PLUS-P4 | 28 | 28 | ST5-5PLUS | 18 | 12 | P43B0005A2 | 18 | SMC-CR0521 | 4 |
| | | 3/4 | 19 | 1 | 230 | 3ST72-5PLUS-P4 | 33 | 34 | ST7-5PLUS | 22 | 15 | P43B0007A2 | 21 | SMC-CR0721 | 4 |
| | | 1 | 22 | 1 | 230 | 3ST102-5PLUS-P4 | 38 | 39 | ST10-5PLUS | 26 | 17 | P43B0010A2 | 23 | SMC-CR1021 | 4 |
| | | 1-1/2 | 30 | 1 | 230 | 3ST152-5PLUS-P4 | 46 | 48 | ST15-5PLUS | 32 | 21 | P43B0015A2 | 27 | SMC-CR1521 | 7 |
| | | 1-1/2 | 30 | 3 | 230 | | | | ST15-5PLUS | 32 | 21 | P43B0015A3 | 23 | | |
| | | 1-1/2 | 30 | 3 | 460 | | | | ST15-5PLUS | 32 | 21 | P43B0015A4 | 23 | | |
| | | 2 | 38 | 1 | 230 | | | | ST20-5PLUS | 37-3/4 | 25 | P43B0020A2 | 31 | SMC-CR2021 | 7 |
| | | 2 | 38 | 3 | 230 | | | | ST20-5PLUS | 37-3/4 | 25 | P43B0020A3 | 23 | | |
| | | 2 | 38 | 3 | 460 | | | | ST20-5PLUS | 37-3/4 | 25 | P43B0020A4 | 23 | | |
| 7/8 | 2 WIRE | 1/2 | 11 | 1 | 115 | 2ST51-8PLUS-P4 | 26 | 27 | ST5-8PLUS | 16 | 11 | P42B0005A1 | 19 | | |
| | | 1/2 | 11 | 1 | 230 | 2ST52-8PLUS-P4 | 26 | 27 | ST5-8PLUS | 16 | 11 | P42B0005A2 | 19 | | |
| | | 3/4 | 15 | 1 | 230 | 2ST72-8PLUS-P4 | 30 | 32 | ST7-8PLUS | 19 | 13 | P42B0007A2 | 23 | | |
| | | 1 | 18 | 1 | 230 | 2ST102-8PLUS-P4 | 34 | 37 | ST10-8PLUS | 22 | 15 | P42B0010A2 | 25 | | |
| | | 1-1/2 | 22 | 1 | 230 | 2ST152-8PLUS-P4 | 43 | 47 | ST15-8PLUS | 28 | 17 | P42B0015A2 | 29 | | |
| | 3 WIRE | 1/2 | 10 | 1 | 115 | 3ST51-8PLUS-P4 | 25-1/2 | 27 | ST5-8PLUS | 16 | 11 | P43B0005A1 | 19 | SMC-IR0511 | 4 |
| | | 1/2 | 11 | 1 | 230 | 3ST52-8PLUS-P4 | 26 | 27 | ST5-8PLUS | 16 | 11 | P43B0005A2 | 18 | SMC-CR0521 | 4 |
| | | 3/4 | 15 | 1 | 230 | 3ST72-8PLUS-P4 | 30 | 32 | ST7-8PLUS | 19 | 13 | P43B0007A2 | 21 | SMC-CR0721 | 4 |
| | | 1 | 18 | 1 | 230 | 3ST102-8PLUS-P4 | 34 | 37 | ST10-8PLUS | 22 | 15 | P43B0010A2 | 23 | SMC-CR1021 | 4 |
| | | 1-1/2 | 22 | 1 | 230 | 3ST152-8PLUS-P4 | 42 | 44 | ST15-8PLUS | 28 | 17 | P43B0015A2 | 27 | SMC-CR1521 | 7 |
| | | 1-1/2 | 22 | 3 | 230 | | | | ST15-8PLUS | 27-1/4 | 17 | P43B0015A3 | 23 | | |
| | | 1-1/2 | 22 | 3 | 460 | | | | ST15-8PLUS | 27-1/4 | 17 | P43B0015A4 | 23 | | |
| | | 2 | 28 | 1 | 230 | | | | ST20-8PLUS | 32-1/2 | 20 | P43B0020A2 | 31 | SMC-CR2021 | 7 |
| | | 2 | 28 | 3 | 230 | | | | ST20-8PLUS | 32-1/2 | 20 | P43B0020A3 | 27 | | |
| | | 2 | 28 | 3 | 460 | | | | ST20-8PLUS | 32-1/2 | 20 | P43B0020A4 | 27 | | |
| 3 | 36 | 1 | 230 | | | | ST30-8PLUS | 39-1/2 | 24 | P43B0030A2 | 37 | SMC-CR3021 | 8 | | |
| 3 | 36 | 3 | 230 | | | | ST30-8PLUS | 39-1/2 | 24 | P43B0030A3 | 37 | | | | |
| 3 | 36 | 3 | 460 | | | | ST30-8PLUS | 39-1/2 | 24 | P43B0030A4 | 37 | | | | |

†Please refer to the Pentek XE Series data for all three-phase motor options.

*Length and Weight are approximate.

TrimLine™ version maximum outside diameter is 3-3/4". Standard version maximum outside diameter is 3-7/8".

NOTE: Motor, Control Box or Magnetic Starter must be ordered separately, if ordering pump end only. Discharge NPT is 1-1/4".

4" SUBMERSIBLE PUMPS PREDATOR PLUS SERIES

ORDERING INFORMATION

| GPM | MOTOR TYPE | HP | STGS. | PH† | VOLT | ASSEMBLED PUMP | | | PUMP END | | | MOTOR | | CONTROL BOX | |
|---------|------------|-------|-------|-----|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | | | | CATALOG NUMBER | LENGTH INCHES* | WEIGHT POUNDS* | CATALOG NUMBER | LENGTH INCHES* | WEIGHT POUNDS* | CATALOG NUMBER | WEIGHT POUNDS* | CATALOG NUMBER | WEIGHT POUNDS* |
| 10/12** | 2 WIRE | 1/2 | 8 | 1 | 115 | 2ST51-12PLUS-P4 | 23 | 28 | ST5-12PLUS | 13 | 9 | P42B0005A1 | 19 | | |
| | | 1/2 | 8 | 1 | 230 | 2ST52-12PLUS-P4 | 23 | 28 | ST5-12PLUS | 13 | 9 | P42B0005A2 | 19 | | |
| | | 3/4 | 11 | 1 | 230 | 2ST72-12PLUS-P4 | 26 | 31 | ST7-12PLUS | 15 | 10 | P42B0007A2 | 23 | | |
| | | 1 | 13 | 1 | 230 | 2ST102-12PLUS-P4 | 29 | 35 | ST10-12PLUS | 17 | 11 | P42B0010A2 | 25 | | |
| | | 1-1/2 | 17 | 1 | 230 | 2ST152-12PLUS-P4 | 35 | 42 | ST15-12PLUS | 20 | 12 | P42B0015A2 | 29 | | |
| | 3 WIRE | 1/2 | 7 | 1 | 115 | 3ST51-12PLUS-P4 | 22-3/4 | 27-1/2 | ST5-12PLUS | 12-3/4 | 9 | P43B0005A1 | 19 | SMC-IR0511 | 4 |
| | | 1/2 | 8 | 1 | 230 | 3ST52-12PLUS-P4 | 23 | 28 | ST5-12PLUS | 13 | 9 | P43B0005A2 | 19 | SMC-CR0521 | 4 |
| | | 3/4 | 11 | 1 | 230 | 3ST72-12PLUS-P4 | 26 | 31 | ST7-12PLUS | 15 | 10 | P43B0007A2 | 21 | SMC-CR0721 | 4 |
| | | 1 | 13 | 1 | 230 | 3ST102-12PLUS-P4 | 29 | 35 | ST10-12PLUS | 17 | 11 | P43B0010A2 | 23 | SMC-CR1021 | 4 |
| | | 1-1/2 | 17 | 1 | 230 | 3ST152-12PLUS-P4 | 34 | 42 | ST15-12PLUS | 20 | 12 | P43B0015A2 | 27 | SMC-CR1521 | 7 |
| | | 1-1/2 | 17 | 3 | 230 | | | | ST15-12PLUS | 19-3/4 | 12-1/2 | P43B0015A3 | 23 | | |
| | | 1-1/2 | 17 | 3 | 460 | | | | ST15-12PLUS | 19-3/4 | 12-1/2 | P43B0015A4 | 23 | | |
| | | 2 | 22 | 1 | 230 | | | | ST20-12PLUS | 22 | 13-3/4 | P43B0020A2 | 31 | SMC-CR2021 | 7 |
| | | 2 | 22 | 3 | 230 | | | | ST20-12PLUS | 22 | 13-3/4 | P43B0020A3 | 23 | | |
| | | 2 | 22 | 3 | 460 | | | | ST20-12PLUS | 22 | 13-3/4 | P43B0020A4 | 23 | | |
| | | 3 | 30 | 1 | 230 | | | | ST30-12PLUS | 22 | 16-3/4 | P43B0030A2 | 40 | SMC-CR3021 | 8 |
| | | 3 | 30 | 3 | 230 | | | | ST30-12PLUS | 28 | 16-3/4 | P43B0030A3 | 32 | | |
| | | 3 | 30 | 3 | 460 | | | | ST30-12PLUS | 28 | 16-3/4 | P43B0030A4 | 32 | | |
| | | 5 | 50 | 1 | 230 | | | | ST50-12PLUS | 43-1/2 | 25-1/2 | P43B0050A2 | 70 | SMC-CR5021 | 12 |
| | | 5 | 50 | 3 | 230 | | | | ST50-12PLUS | 43-1/2 | 25-1/2 | P43B0050A3 | 55 | | |
| 5 | 50 | 3 | 460 | | | | ST50-12PLUS | 43-1/2 | 25-1/2 | P43B0050A4 | 55 | | | | |
| 15** | 2 WIRE | 1/2 | 6 | 1 | 115 | 2ST51-15PLUS-P4 | 23 | 27 | ST5-15PLUS | 13 | 9 | P42B0005A1 | 19 | | |
| | | 1/2 | 6 | 1 | 230 | 2ST52-15PLUS-P4 | 23 | 27 | ST5-15PLUS | 13 | 9 | P42B0005A2 | 19 | | |
| | | 3/4 | 8 | 1 | 230 | 2ST72-15PLUS-P4 | 26 | 31 | ST7-15PLUS | 15 | 10 | P42B0007A2 | 23 | | |
| | | 1 | 10 | 1 | 230 | 2ST102-15PLUS-P4 | 30 | 35 | ST10-15PLUS | 17 | 11 | P42B0010A2 | 25 | | |
| | | 1-1/2 | 12 | 1 | 230 | 2ST152-15PLUS-P4 | 36 | 43 | ST15-15PLUS | 21 | 13 | P42B0015A2 | 29 | | |
| | 3 WIRE | 1/2 | 5 | 1 | 115 | 3ST51-15PLUS-P4 | 22-1/4 | 27 | ST5-15PLUS | 12-1/4 | 9 | P43B0005A1 | 19 | SMC-IR0511 | 4 |
| | | 1/2 | 6 | 1 | 230 | 3ST52-15PLUS-P4 | 23 | 27 | ST5-15PLUS | 13 | 9 | P43B0005A2 | 19 | SMC-CR0521 | 4 |
| | | 3/4 | 8 | 1 | 230 | 3ST72-15PLUS-P4 | 26 | 31 | ST7-15PLUS | 15 | 10 | P43B0007A2 | 23 | SMC-CR0721 | 4 |
| | | 1 | 10 | 1 | 230 | 3ST102-15PLUS-P4 | 30 | 35 | ST10-15PLUS | 17 | 11 | P43B0010A2 | 25 | SMC-CR1021 | 4 |
| | | 1-1/2 | 12 | 1 | 230 | 3ST152-15PLUS-P4 | 34 | 41 | ST15-15PLUS | 21 | 13 | P43B0015A2 | 29 | SMC-CR1521 | 7 |
| | | 1-1/2 | 12 | 3 | 230 | | | | ST15-15PLUS | 20-1/4 | 13 | P43B0015A3 | 23 | | |
| | | 1-1/2 | 12 | 3 | 460 | | | | ST15-15PLUS | 20-1/4 | 13 | P43B0015A4 | 23 | | |
| | | 2 | 15 | 1 | 230 | | | | ST20-15PLUS | 23-1/2 | 15 | P43B0020A2 | 31 | SMC-CR2021 | 7 |
| | | 2 | 15 | 3 | 230 | | | | ST20-15PLUS | 23-1/2 | 15 | P43B0020A3 | 23 | | |
| | | 2 | 15 | 3 | 460 | | | | ST20-15PLUS | 23-1/2 | 15 | P43B0020A4 | 23 | | |
| | | 3 | 22 | 1 | 230 | | | | ST30-15PLUS | 31-1/4 | 18 | P43B0030A2 | 40 | SMC-CR3021 | 7 |
| | | 3 | 22 | 3 | 230 | | | | ST30-15PLUS | 31-1/4 | 18 | P43B0030A3 | 32 | | |
| | | 3 | 22 | 3 | 460 | | | | ST30-15PLUS | 31-1/4 | 18 | P43B0030A4 | 32 | | |

†Please refer to the Pentek XE Series data for all three-phase motor options.

*Length and Weight are approximate.

**For 10 GPM, 15 GPM and 20 GPM discharge is 1-1/4" NPT.

***For 30 GPM and 50 GPM discharge is 2" NPT.

NOTE: On 2 HP and larger - Pump, Motor, Control Box or Magnetic Starter must be ordered separately.

†Check Valve not included on 5 HP, 7-1/2 HP and 10 HP models. Check Valve not included on 50 GPM models.

TrimLine™ version maximum outside diameter is 3-3/4". Standard version maximum outside diameter on all models is 3-7/8".

4" SUBMERSIBLE PUMPS PREDATOR PLUS SERIES

ORDERING INFORMATION

| GPM | MOTOR TYPE | HP | STGS. | PH† | VOLT | ASSEMBLED PUMP | | | PUMP END | | | MOTOR | | CONTROL BOX | |
|-------|------------|-------|-------|-----|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | | | | CATALOG NUMBER | LENGTH INCHES* | WEIGHT POUNDS* | CATALOG NUMBER | LENGTH INCHES* | WEIGHT POUNDS* | CATALOG NUMBER | WEIGHT POUNDS* | CATALOG NUMBER | WEIGHT POUNDS* |
| 20** | 2 WIRE | 3/4 | 6 | 1 | 230 | 2ST72-20PLUS-P4 | 24 | 30 | ST7-20PLUS | 13 | 9 | P42B0007A2 | 23 | | |
| | | 1 | 7 | 1 | 230 | 2ST102-20PLUS-P4 | 28 | 34 | ST10-20PLUS | 15 | 10 | P42B0010A2 | 25 | | |
| | | 1-1/2 | 10 | 1 | 230 | 2ST152-20PLUS-P4 | 32 | 39 | ST15-20PLUS | 17 | 11 | P42B0015A2 | 29 | | |
| | 3 WIRE | 3/4 | 6 | 1 | 230 | 3ST72-20PLUS-P4 | 24 | 30 | ST7-20PLUS | 13 | 9 | P43B0007A2 | 23 | SMC-CR0721 | 5 |
| | | 1 | 7 | 1 | 230 | 3ST102-20PLUS-P4 | 28 | 34 | ST10-20PLUS | 15 | 10 | P43B0010A2 | 25 | SMC-CR1021 | 5 |
| | | 1-1/2 | 10 | 1 | 230 | 3ST152-20PLUS-P4 | 31 | 39 | ST15-20PLUS | 17 | 11 | P43B0015A2 | 29 | SMC-CR1521 | 7 |
| | | 1-1/2 | 9 | 3 | 230 | | | | ST15-20PLUS | 16-3/4 | 10-3/4 | P43B0015A3 | 23 | | |
| | | 1-1/2 | 9 | 3 | 460 | | | | ST15-20PLUS | 16-3/4 | 10-3/4 | P43B0015A4 | 23 | | |
| | | 2 | 12 | 1 | 230 | | | | ST20-20PLUS | 20-1/4 | 12-1/2 | P43B0020A2 | 31 | SMC-CR2021 | 7 |
| | | 2 | 12 | 3 | 230 | | | | ST20-20PLUS | 20-1/4 | 12-1/2 | P43B0020A3 | 32 | | |
| | | 2 | 12 | 3 | 460 | | | | ST20-20PLUS | 20-1/4 | 12-1/2 | P43B0020A4 | 32 | | |
| | | 3 | 17 | 1 | 230 | | | | ST30-20PLUS | 25-3/4 | 15 | P43B0030A2 | 40 | SMC-CR3021 | 7 |
| | | 3 | 17 | 3 | 230 | | | | ST30-20PLUS | 25-3/4 | 15 | P43B0030A3 | 32 | | |
| | | 3 | 17 | 3 | 460 | | | | ST30-20PLUS | 25-3/4 | 15 | P43B0030A4 | 32 | | |
| | | 5 | 28 | 1 | 230 | | | | ST50-20PLUS | 38 | 21 | P43B0050A2 | 70 | SMC-CR5021 | 8 |
| | | 5 | 28 | 3 | 230 | | | | ST50-20PLUS | 38 | 21 | P43B0050A3 | 55 | | |
| | | 5 | 28 | 3 | 460 | | | | ST50-20PLUS | 38 | 21 | P43B0050A4 | 55 | | |
| | | 7-1/2 | 40 | 3 | 230 | | | | ST75-20PLUS | 53-3/4 | 30 | P43B0075A3 | 70 | | |
| | | 7-1/2 | 40 | 3 | 460 | | | | ST75-20PLUS | 53-3/4 | 30 | P43B0075A4 | 70 | | |
| | | 10 | 54 | 3 | 460 | | | | ST100-20PLUS | 71 | 41 | P43B0100A4 | 78 | | |
| 30*** | 2 WIRE | 1 | 5 | 1 | 230 | 2ST102-30PLUS-P4 | 26-1/2 | 35 | ST10-30PLUS | 14 | 9-3/4 | P42B0010A2 | 25 | | |
| | | 1-1/2 | 6 | 1 | 230 | 2ST152-30PLUS-P4 | 30-1/2 | 39 | ST15-30PLUS | 15-1/4 | 10-3/4 | P42B0015A2 | 29 | | |
| | 3 WIRE | 1 | 5 | 1 | 230 | 3ST102-30PLUS-P4 | 26-1/2 | 35 | ST10-30PLUS | 14 | 10 | P43B0010A2 | 25 | SMC-CR1021 | 5 |
| | | 1-1/2 | 6 | 1 | 230 | 3ST152-30PLUS-P4 | 29 | 39 | ST15-30PLUS | 15-1/4 | 11 | P43B0015A2 | 29 | SMC-CR-1521 | 7 |
| | | 1-1/2 | 6 | 3 | 230 | | | | ST15-30PLUS | 15-1/4 | 11 | P43B0015A3 | 23 | | |
| | | 1-1/2 | 6 | 3 | 460 | | | | ST15-30PLUS | 15-1/4 | 11 | P43B0015A4 | 23 | | |
| | | 2 | 8 | 1 | 230 | | | | ST20-30PLUS | 18-1/4 | 12 | P43B0020A2 | 31 | SMC-CR2021 | 7 |
| | | 2 | 8 | 3 | 230 | | | | ST20-30PLUS | 18-1/4 | 12 | P43B0020A3 | 23 | | |
| | | 2 | 8 | 3 | 460 | | | | ST20-30PLUS | 18-1/4 | 12 | P43B0020A4 | 23 | | |
| | | 3 | 12 | 1 | 230 | | | | ST30-30PLUS | 24 | 15 | P43B0030A2 | 40 | SMC-CR3021 | 7 |
| | | 3 | 12 | 3 | 230 | | | | ST30-30PLUS | 24 | 15 | P43B0030A3 | 32 | | |
| | | 3 | 12 | 3 | 460 | | | | ST30-30PLUS | 24 | 15 | P43B0030A4 | 32 | | |
| | | 5 | 20 | 1 | 230 | | | | ST50-30PLUS | 35-3/4 | 20 | P43B0050A2 | 70 | SMC-CR5021 | 8 |
| | | 5 | 20 | 3 | 230 | | | | ST50-30PLUS | 35-3/4 | 20 | P43B0050A3 | 55 | | |
| | | 5 | 20 | 3 | 460 | | | | ST50-30PLUS | 35-3/4 | 20 | P43B0050A4 | 55 | | |
| | | 7-1/2 | 28 | 3 | 230 | | | | ST75-30PLUS | 50 | 27 | P43B0075A3 | 70 | | |
| | | 7-1/2 | 28 | 3 | 460 | | | | ST75-30PLUS | 50 | 27 | P43B0075A4 | 70 | | |
| | | 10 | 38 | 3 | 460 | | | | ST100-30PLUS | 65-1/2 | 35 | P43B0100A4 | 70 | | |

†Please refer to the Pentek XE Series data for all three-phase motor options.

*Length and Weight are approximate.

**For 10 GPM, 15 GPM and 20 GPM discharge is 1-1/4" NPT.

***For 30 GPM and 50 GPM discharge is 2" NPT.

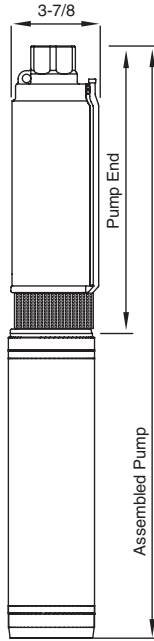
NOTE: On 2 HP and larger - Pump, Motor, Control Box or Magnetic Starter must be ordered separately.

†Check Valve not included on 5 HP, 7-1/2 HP and 10 HP models.

TrimLine™ version maximum outside diameter is 3-3/4". Standard version maximum outside diameter on all models is 3-7/8".

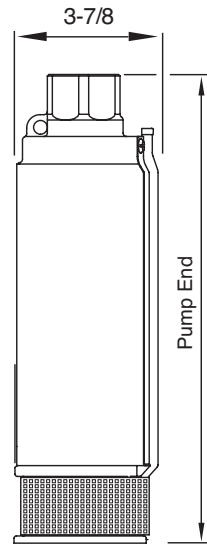
4" SUBMERSIBLE PUMPS PREDATOR PLUS SERIES

OUTLINE DIMENSIONS: 5, 7/8, 10/12, 15 AND 20 GPM



| DISCHARGE | |
|-----------|------------|
| 5 GPM | 1-1/4" NPT |
| 7/8 GPM | 1-1/4" NPT |
| 10/12 GPM | 1-1/4" NPT |
| 15 GPM | 1-1/4" NPT |
| 20 GPM | 1-1/4" NPT |

OUTLINE DIMENSIONS: 30 GPM



| DISCHARGE | |
|-----------|--------|
| 30 GPM | 2" NPT |

For lengths, refer to Ordering Information tables.

Dimensions (in inches) are for estimating purposes only.

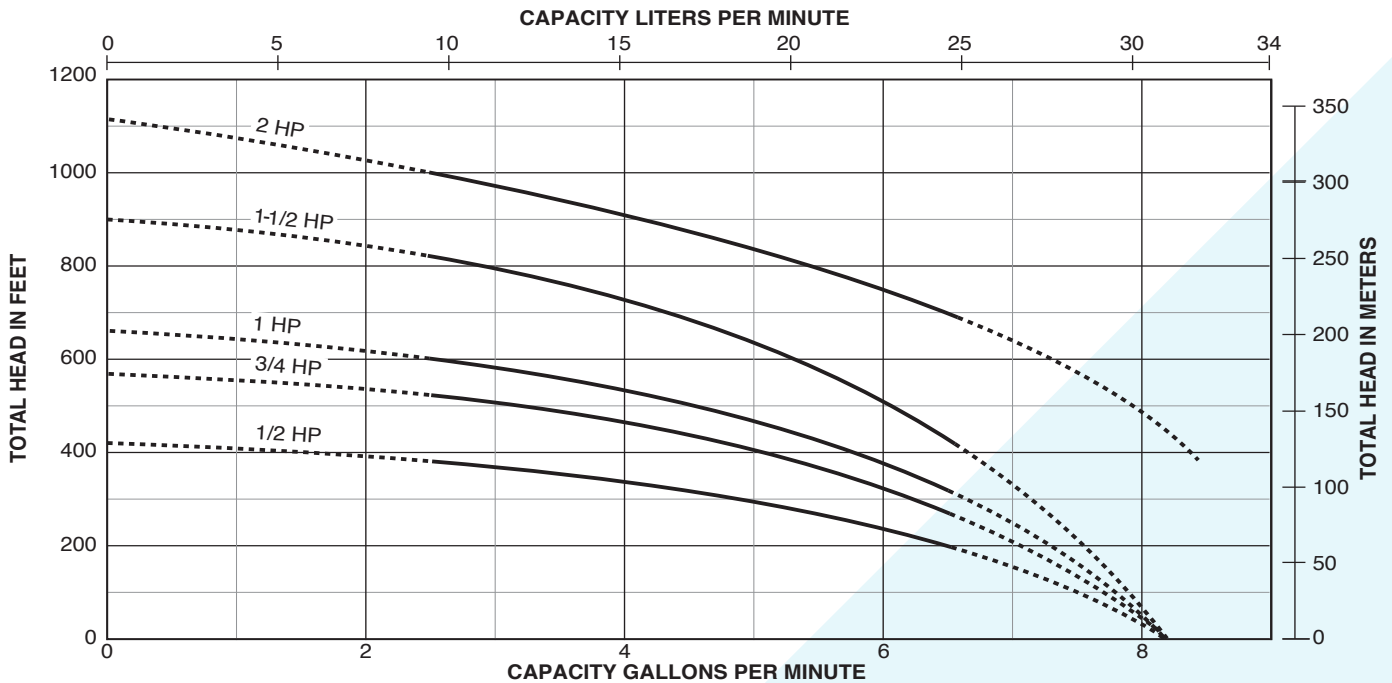
NOTE: 5 and 7/8 GPM models are the smaller 3-3/4" diameter TrimLine

Pump diameter is 3-7/8".

For lengths, refer to Ordering Information tables.

Dimensions (in inches) are for estimating purposes only.

PUMP PERFORMANCE: 5 GPM

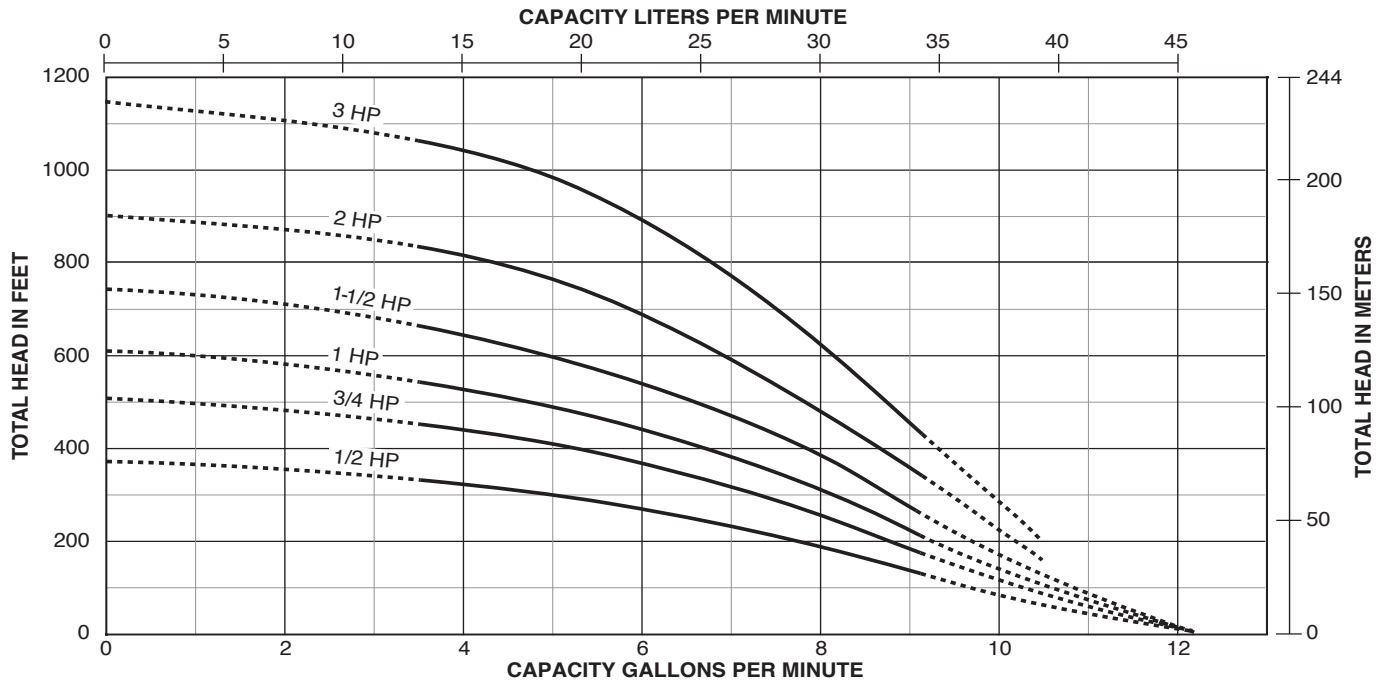


Tested and rated in accordance with Water Systems Council Standards.

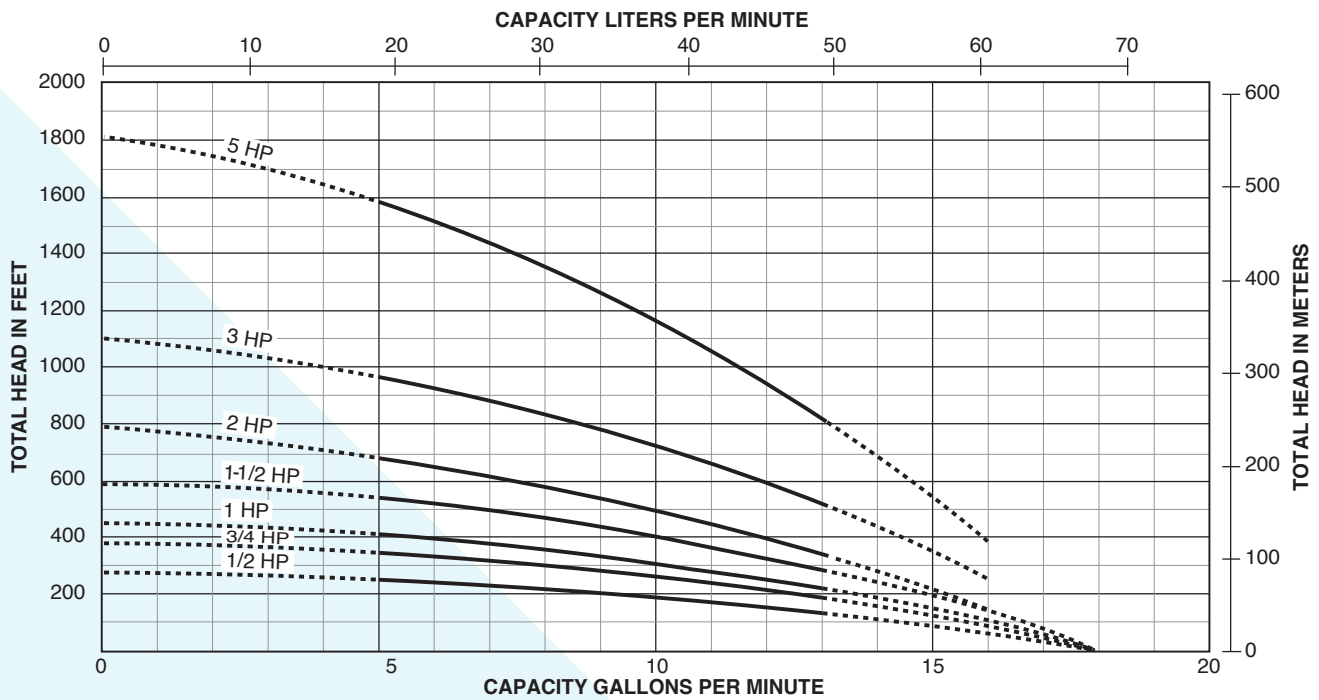
NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

4" SUBMERSIBLE PUMPS PREDATOR PLUS SERIES

PUMP PERFORMANCE: 7/8 GPM



PUMP PERFORMANCE: 10/12 GPM

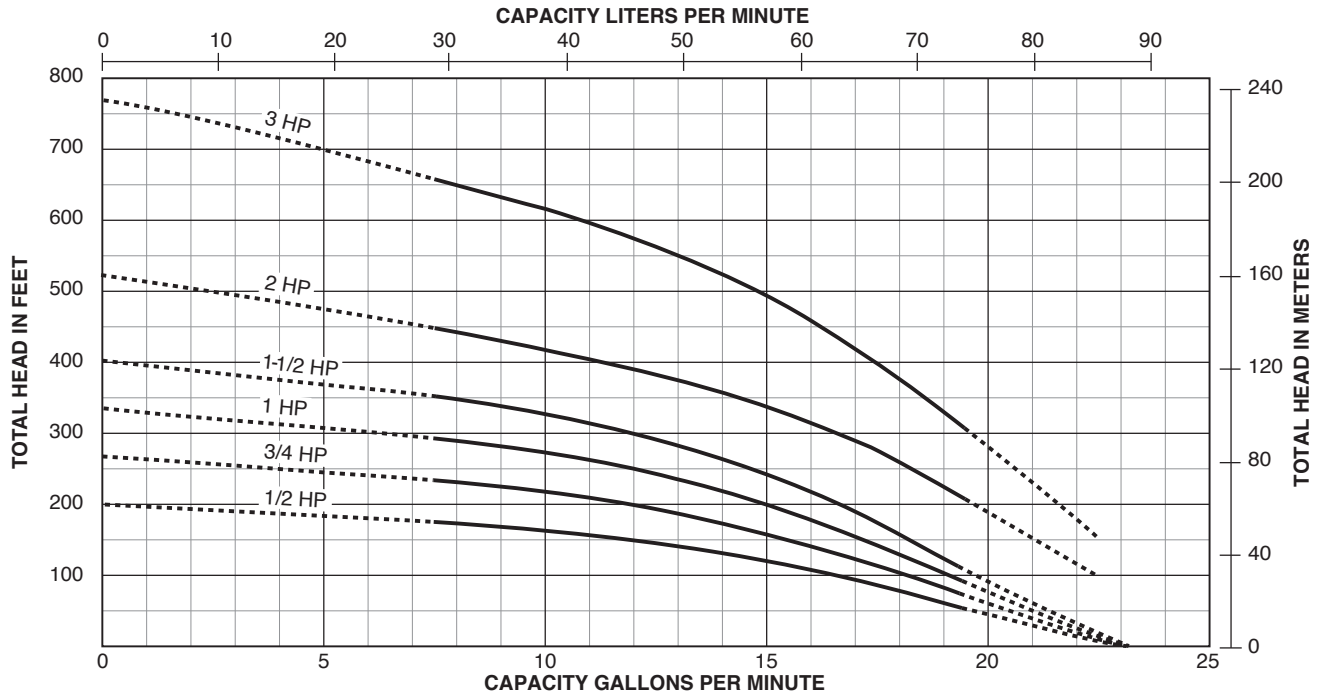


Tested and rated in accordance with Water Systems Council Standards.

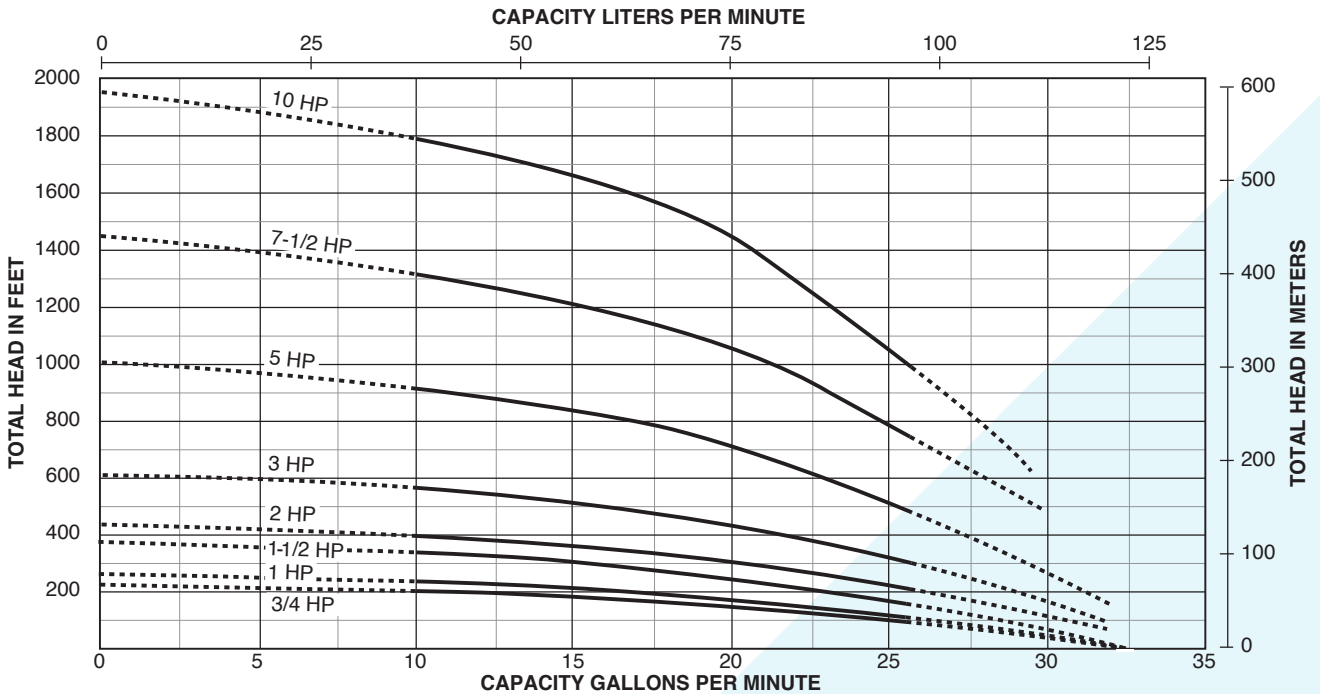
NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

4" SUBMERSIBLE PUMPS PREDATOR PLUS SERIES

PUMP PERFORMANCE: 15 GPM



PUMP PERFORMANCE: 20 GPM

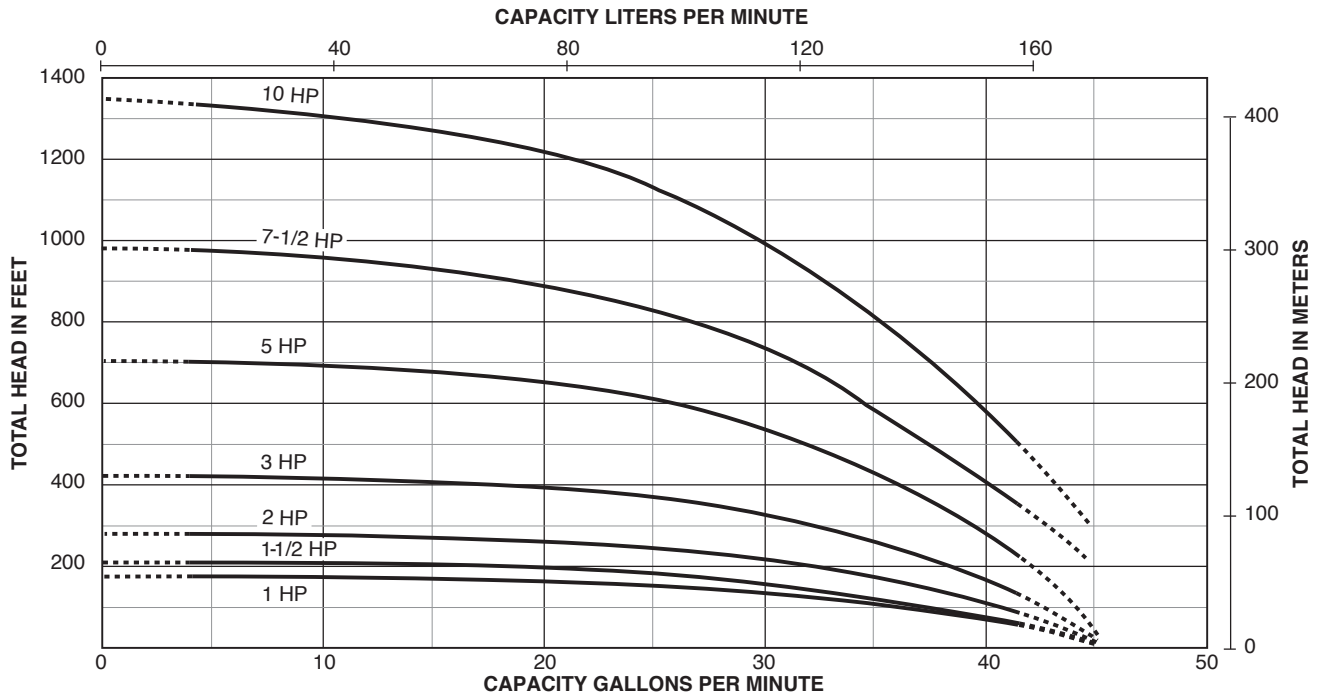


Tested and rated in accordance with Water Systems Council Standards.

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.

4" SUBMERSIBLE PUMPS PREDATOR PLUS SERIES

PUMP PERFORMANCE: 30 GPM



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.

4" SUBMERSIBLE PUMPS PREDATOR PLUS SERIES

5 GALLONS PER MINUTE PUMP PERFORMANCE (Capacity in gallons per minute)

| HP | PSI | PUMPING DEPTH IN FEET | | | | | | | | | | | | | | | | | | | | | | | | | | | | SHUT-OFF HEAD | | | | | | | | | |
|-------|-----|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|-----|------|-----|-----|-----|--|--|--|--|
| | | 0 | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | 360 | 380 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | FEET | PSI | | | | | | |
| 1/2 | 0 | - | - | - | - | - | - | - | 7.3 | 7.0 | 6.8 | 6.5 | 6.2 | 5.9 | 5.6 | 5.2 | 4.9 | 4.4 | 4.0 | 3.5 | 2.9 | 2.1 | | | | | | | | | | | | 421 | 182 | | | | |
| | 20 | - | - | - | - | 7.5 | 7.2 | 7.0 | 6.7 | 6.4 | 6.1 | 5.8 | 5.5 | 5.1 | 4.7 | 4.3 | 3.9 | 3.3 | 2.7 | 1.7 | | | | | | | | | | | | | | | | | | | |
| | 30 | - | - | - | 7.4 | 7.2 | 6.9 | 6.6 | 6.4 | 6.1 | 5.7 | 5.4 | 5.1 | 4.7 | 4.2 | 3.8 | 3.2 | 2.5 | 1.5 | | | | | | | | | | | | | | | | | | | | |
| | 40 | - | - | 7.4 | 7.1 | 6.9 | 6.6 | 6.3 | 6.0 | 5.7 | 5.4 | 5.0 | 4.6 | 4.2 | 3.7 | 3.1 | 2.4 | 1.3 | | | | | | | | | | | | | | | | | | | | | |
| | 50 | - | 7.4 | 7.1 | 6.8 | 6.6 | 6.3 | 6.0 | 5.6 | 5.3 | 4.9 | 4.5 | 4.1 | 3.6 | 3.0 | 2.3 | 1.0 | | | | | | | | | | | | | | | | | | | | | | |
| | 60 | 7.3 | 7.1 | 6.8 | 6.5 | 6.2 | 5.9 | 5.6 | 5.3 | 4.9 | 4.5 | 4.0 | 3.5 | 2.9 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 70 | 7.0 | 6.8 | 6.5 | 6.2 | 5.9 | 5.5 | 5.2 | 4.8 | 4.4 | 4.0 | 3.4 | 2.8 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 80 | 6.7 | 6.4 | 6.1 | 5.8 | 5.5 | 5.1 | 4.8 | 4.3 | 3.9 | 3.4 | 2.7 | 1.8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/4 | 0 | - | - | - | - | - | - | - | - | 7.4 | 7.2 | 7.0 | 6.8 | 6.6 | 6.4 | 6.2 | 6.0 | 5.7 | 5.5 | 5.2 | 5.0 | 4.2 | 3.2 | 1.8 | | | | | | | | | | | | | | | |
| | 20 | - | - | - | - | - | - | - | 7.3 | 7.1 | 7.0 | 6.8 | 6.6 | 6.3 | 6.1 | 5.9 | 5.7 | 5.4 | 5.1 | 4.9 | 4.6 | 4.3 | 3.3 | 2.0 | | | | | | | | | | | | | | | |
| | 30 | - | - | - | - | - | 7.5 | 7.3 | 7.1 | 6.9 | 6.7 | 6.5 | 6.3 | 6.1 | 5.9 | 5.6 | 5.4 | 5.1 | 4.8 | 4.5 | 4.2 | 3.9 | 2.8 | | | | | | | | | | | | | | | | |
| | 40 | - | - | - | - | 7.5 | 7.3 | 7.1 | 6.9 | 6.7 | 6.5 | 6.3 | 6.1 | 5.8 | 5.6 | 5.3 | 5.1 | 4.8 | 4.5 | 4.2 | 3.8 | 3.4 | 2.1 | | | | | | | | | | | | | | | | |
| | 50 | - | - | - | 7.4 | 7.3 | 7.1 | 6.9 | 6.7 | 6.5 | 6.2 | 6.0 | 5.8 | 5.5 | 5.3 | 5.0 | 4.7 | 4.4 | 4.1 | 3.7 | 3.3 | 2.9 | | | | | | | | | | | | | | | | | |
| | 60 | - | - | 7.4 | 7.2 | 7.0 | 6.8 | 6.6 | 6.4 | 6.2 | 6.0 | 5.7 | 5.5 | 5.2 | 5.0 | 4.7 | 4.4 | 4.1 | 3.7 | 3.3 | 2.8 | 2.2 | | | | | | | | | | | | | | | | | |
| | 70 | - | 7.4 | 7.2 | 7.0 | 6.8 | 6.6 | 6.4 | 6.2 | 5.9 | 5.7 | 5.5 | 5.2 | 4.9 | 4.6 | 4.3 | 4.0 | 3.6 | 3.2 | 2.7 | 2.1 | 1.2 | | | | | | | | | | | | | | | | | |
| | 80 | 7.4 | 7.2 | 7.0 | 6.8 | 6.6 | 6.4 | 6.1 | 5.9 | 5.7 | 5.4 | 5.2 | 4.9 | 4.6 | 4.3 | 3.9 | 3.6 | 3.1 | 2.6 | 2.0 | | | | | | | | | | | | | | | | | | | |
| 1 | 0 | - | - | - | - | - | - | - | - | - | 7.5 | 7.3 | 7.1 | 7.0 | 6.8 | 6.6 | 6.4 | 6.3 | 6.1 | 5.9 | 5.7 | 5.1 | 4.5 | 3.8 | 2.8 | 1.2 | | | | | | | | | | | | | |
| | 20 | - | - | - | - | - | - | - | 7.4 | 7.3 | 7.1 | 6.9 | 6.7 | 6.6 | 6.4 | 6.2 | 6.0 | 5.8 | 5.6 | 5.4 | 5.2 | 4.5 | 3.8 | 2.9 | 1.4 | | | | | | | | | | | | | | |
| | 30 | - | - | - | - | - | - | 7.5 | 7.4 | 7.2 | 7.1 | 6.9 | 6.7 | 6.5 | 6.4 | 6.2 | 6.0 | 5.8 | 5.6 | 5.3 | 5.1 | 4.9 | 4.2 | 3.4 | 2.3 | | | | | | | | | | | | | | |
| | 40 | - | - | - | - | - | 7.5 | 7.4 | 7.2 | 7.0 | 6.9 | 6.7 | 6.5 | 6.3 | 6.1 | 5.9 | 5.7 | 5.5 | 5.3 | 5.1 | 4.8 | 4.6 | 3.9 | 3.0 | 1.6 | | | | | | | | | | | | | | |
| | 50 | - | - | - | - | 7.5 | 7.3 | 7.2 | 7.0 | 6.8 | 6.7 | 6.5 | 6.3 | 6.1 | 5.9 | 5.7 | 5.5 | 5.3 | 5.0 | 4.8 | 4.5 | 4.3 | 3.5 | 2.4 | | | | | | | | | | | | | | | |
| | 60 | - | - | - | 7.5 | 7.3 | 7.2 | 7.0 | 6.8 | 6.6 | 6.5 | 6.3 | 6.1 | 5.9 | 5.7 | 5.5 | 5.2 | 5.0 | 4.8 | 4.5 | 4.2 | 3.9 | 3.1 | 1.7 | | | | | | | | | | | | | | | |
| | 70 | - | - | 7.4 | 7.3 | 7.1 | 7.0 | 6.8 | 6.6 | 6.4 | 6.2 | 6.1 | 5.9 | 5.6 | 5.4 | 5.2 | 5.0 | 4.7 | 4.5 | 4.2 | 3.9 | 3.6 | 2.5 | | | | | | | | | | | | | | | | |
| | 80 | - | 7.4 | 7.3 | 7.1 | 6.9 | 6.8 | 6.6 | 6.4 | 6.2 | 6.0 | 5.8 | 5.6 | 5.4 | 5.2 | 4.9 | 4.7 | 4.4 | 4.1 | 3.8 | 3.5 | 3.1 | 1.9 | | | | | | | | | | | | | | | | |
| 1-1/2 | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.5 | 7.4 | 7.3 | 7.2 | 7.1 | 6.9 | 6.8 | 6.7 | 6.4 | 6.0 | 5.6 | 5.2 | 4.8 | 4.3 | 3.8 | 3.1 | 2.2 | | | | | | | | |
| | 20 | - | - | - | - | - | - | - | - | - | - | - | - | 7.5 | 7.4 | 7.3 | 7.1 | 7.0 | 6.9 | 6.8 | 6.6 | 6.5 | 6.4 | 6.0 | 5.7 | 5.3 | 4.8 | 4.3 | 3.8 | 3.2 | 2.3 | | | | | | | | |
| | 30 | - | - | - | - | - | - | - | - | - | - | - | 7.5 | 7.4 | 7.2 | 7.1 | 7.0 | 6.9 | 6.8 | 6.6 | 6.5 | 6.4 | 6.2 | 5.9 | 5.5 | 5.1 | 4.6 | 4.1 | 3.5 | 2.8 | 1.8 | | | | | | | | |
| | 40 | - | - | - | - | - | - | - | - | - | 7.5 | 7.3 | 7.2 | 7.1 | 7.0 | 6.9 | 6.7 | 6.6 | 6.5 | 6.3 | 6.2 | 6.1 | 5.7 | 5.3 | 4.9 | 4.4 | 3.8 | 3.2 | 2.4 | | | | | | | | | | |
| | 50 | - | - | - | - | - | - | 7.7 | 7.6 | 7.4 | 7.3 | 7.2 | 7.1 | 7.0 | 6.8 | 6.7 | 6.6 | 6.5 | 6.3 | 6.2 | 6.0 | 5.9 | 5.5 | 5.1 | 4.6 | 4.1 | 3.6 | 2.9 | 1.9 | | | | | | | | | | |
| | 60 | - | - | - | - | - | 7.5 | 7.4 | 7.3 | 7.2 | 7.1 | 6.9 | 6.8 | 6.7 | 6.6 | 6.4 | 6.3 | 6.2 | 6.0 | 5.9 | 5.7 | 5.3 | 4.9 | 4.4 | 3.9 | 3.3 | 2.5 | | | | | | | | | | | | |
| | 70 | - | - | - | - | - | 7.5 | 7.4 | 7.3 | 7.2 | 7.1 | 6.9 | 6.8 | 6.7 | 6.5 | 6.4 | 6.3 | 6.1 | 6.0 | 5.8 | 5.7 | 5.5 | 5.1 | 4.7 | 4.2 | 3.6 | 2.9 | 2.0 | | | | | | | | | | | |
| | 80 | - | - | - | - | 7.5 | 7.4 | 7.3 | 7.2 | 7.0 | 6.9 | 6.8 | 6.7 | 6.5 | 6.4 | 6.3 | 6.1 | 6.0 | 5.8 | 5.7 | 5.5 | 5.4 | 4.9 | 4.5 | 3.9 | 3.3 | 2.5 | 1.3 | | | | | | | | | | | |
| 2 | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.0 | 6.8 | 6.5 | 6.2 | 5.9 | 5.5 | 5.0 | 4.5 | 4.0 | 3.3 | 2.4 | 1.5 | | | | | | | | | | | | |
| | 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.0 | 6.8 | 6.5 | 6.2 | 5.9 | 5.5 | 5.0 | 4.5 | 4.0 | 3.3 | 2.4 | 1.5 | | | | | | | | | | | | |
| | 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.2 | 6.9 | 6.6 | 6.3 | 6.0 | 5.7 | 5.2 | 4.8 | 4.3 | 3.7 | 2.9 | 2.1 | 1.1 | | | | | | | | | | | | |
| | 40 | - | - | - | - | - | - | - | - | - | - | - | - | 7.3 | 7.0 | 6.8 | 6.5 | 6.2 | 5.9 | 5.5 | 5.0 | 4.5 | 4.0 | 3.3 | 2.4 | 1.5 | | | | | | | | | | | | | |
| | 50 | - | - | - | - | - | - | - | - | - | - | 7.4 | 7.2 | 6.9 | 6.6 | 6.4 | 6.1 | 5.8 | 5.4 | 4.9 | 4.4 | 3.9 | 3.1 | 2.2 | 1.2 | | | | | | | | | | | | | | |
| | 60 | - | - | - | - | - | - | - | - | - | - | 7.3 | 7.1 | 6.8 | 6.5 | 6.2 | 6.0 | 5.6 | 5.1 | 4.6 | 4.1 | 3.2 | 2.5 | 1.6 | | | | | | | | | | | | | | | |

CAUTION: DO NOT use pump at flow rates indicated by the symbol '-'. To do so can cause premature failure of unit. Pump warranty is void when failure occurs under these conditions.

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.

4" SUBMERSIBLE PUMPS PREDATOR PLUS SERIES

10/12 GALLONS PER MINUTE PUMP PERFORMANCE (Capacity in gallons per minute)

| HP | PSI | PUMPING DEPTH IN FEET | | | | | | | | | | | | | | | | | | | | SHUT-OFF HEAD | | | | | | | | | |
|-------|-----|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------|------|---------------|-----|---------------|-----|-----|-----|------|------|-----|--|--|--|
| | | 0 | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | 360 | 380 | 400 | 450 | 500 | 550 | FEET | PSI | | | | |
| 1/2 | 0 | - | - | - | - | - | 14.7 | 13.8 | 12.9 | 11.8 | 10.7 | 9.4 | 8.0 | 6.3 | 4.1 | | | | | | | | | | | | 278 | 120 | | | |
| | 20 | - | - | - | 14.4 | 13.5 | 12.5 | 11.5 | 10.3 | 9.0 | 7.5 | 5.7 | 3.2 | | | | | | | | | | | | | | | | | | |
| | 30 | - | - | 14.3 | 13.4 | 12.4 | 11.3 | 10.1 | 8.8 | 7.3 | 5.4 | 2.7 | | | | | | | | | | | | | | | | | | | |
| | 40 | - | 14.2 | 13.2 | 12.2 | 11.1 | 9.9 | 8.6 | 7.0 | 5.1 | 2.0 | | | | | | | | | | | | | | | | | | | | |
| | 50 | 14.0 | 13.1 | 12.1 | 11.0 | 9.7 | 8.4 | 6.8 | 4.7 | | | | | | | | | | | | | | | | | | | | | | |
| | 60 | 12.9 | 11.9 | 10.8 | 9.5 | 8.1 | 6.5 | 4.3 | | | | | | | | | | | | | | | | | | | | | | | |
| | 70 | 11.7 | 10.6 | 9.3 | 7.9 | 6.2 | 3.9 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 80 | 10.4 | 9.1 | 7.7 | 5.9 | 3.4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/4 | 0 | - | - | - | - | - | - | 14.6 | 14.0 | 13.3 | 12.6 | 11.8 | 11.0 | 10.1 | 9.2 | 8.2 | 7.0 | 5.6 | 3.9 | | | | | | | | 382 | 165 | | | |
| | 20 | - | - | - | - | - | 14.4 | 13.8 | 13.1 | 12.3 | 11.6 | 10.7 | 9.9 | 8.9 | 7.8 | 6.6 | 5.1 | 3.2 | | | | | | | | | | | | | |
| | 30 | - | - | - | 15.0 | 14.3 | 13.7 | 13.0 | 12.2 | 11.5 | 10.6 | 9.7 | 8.7 | 7.6 | 6.4 | 4.9 | 2.8 | | | | | | | | | | | | | | |
| | 40 | - | - | 14.9 | 14.2 | 13.6 | 12.9 | 12.1 | 11.3 | 10.5 | 9.6 | 8.6 | 7.5 | 6.2 | 4.6 | 2.4 | | | | | | | | | | | | | | | |
| | 50 | 15.4 | 14.8 | 14.1 | 13.5 | 12.7 | 12.0 | 11.2 | 10.3 | 9.4 | 8.4 | 7.3 | 6.0 | 4.3 | | | | | | | | | | | | | | | | | |
| | 60 | 14.7 | 14.0 | 13.3 | 12.6 | 11.9 | 11.1 | 10.2 | 9.3 | 8.2 | 7.1 | 5.7 | 4.0 | | | | | | | | | | | | | | | | | | |
| | 70 | 13.9 | 13.2 | 12.5 | 11.8 | 10.9 | 10.1 | 9.1 | 8.1 | 6.9 | 5.5 | 3.7 | | | | | | | | | | | | | | | | | | | |
| | 80 | 13.1 | 12.4 | 11.6 | 10.8 | 9.9 | 9.0 | 7.9 | 6.7 | 5.3 | 3.4 | | | | | | | | | | | | | | | | | | | | |
| 1 | 0 | - | - | - | - | - | - | - | 14.8 | 14.2 | 13.7 | 13.1 | 12.5 | 11.8 | 11.1 | 10.4 | 9.6 | 8.8 | 7.9 | 6.9 | 5.7 | | | | | | 452 | 195 | | | |
| | 20 | - | - | - | - | - | - | 14.6 | 14.1 | 13.5 | 12.9 | 12.3 | 11.6 | 10.9 | 10.2 | 9.4 | 8.5 | 7.6 | 6.6 | 5.3 | 3.8 | | | | | | | | | | |
| | 30 | - | - | - | - | - | 14.5 | 14.0 | 13.4 | 12.8 | 12.2 | 11.5 | 10.8 | 10.1 | 9.3 | 8.4 | 7.5 | 6.4 | 5.1 | 3.5 | | | | | | | | | | | |
| | 40 | - | - | - | 15.0 | 14.5 | 13.9 | 13.3 | 12.7 | 12.1 | 11.4 | 10.7 | 9.9 | 9.1 | 8.3 | 7.3 | 6.2 | 4.9 | 3.2 | | | | | | | | | | | | |
| | 50 | - | - | 14.9 | 14.4 | 13.8 | 13.2 | 12.6 | 12.0 | 11.3 | 10.6 | 9.8 | 9.0 | 8.1 | 7.1 | 6.0 | 4.7 | 2.9 | | | | | | | | | | | | | |
| | 60 | - | 14.8 | 14.3 | 13.7 | 13.1 | 12.5 | 11.9 | 11.2 | 10.5 | 9.7 | 8.9 | 8.0 | 7.0 | 5.8 | 4.4 | 2.6 | | | | | | | | | | | | | | |
| | 70 | 14.7 | 14.2 | 13.6 | 13.0 | 12.4 | 11.8 | 11.1 | 10.4 | 9.6 | 8.7 | 7.8 | 6.8 | 5.6 | 4.2 | 2.2 | | | | | | | | | | | | | | | |
| | 80 | 14.1 | 13.5 | 12.9 | 12.3 | 11.7 | 11.0 | 10.2 | 9.5 | 8.6 | 7.7 | 6.6 | 5.4 | 3.9 | | | | | | | | | | | | | | | | | |
| 1-1/2 | 0 | - | - | - | - | - | - | - | - | 15.0 | 14.6 | 14.1 | 13.7 | 13.3 | 12.8 | 12.3 | 11.8 | 11.3 | 10.8 | 10.2 | 8.6 | 6.8 | 4.3 | | | | 590 | 256 | | | |
| | 20 | - | - | - | - | - | - | - | 14.9 | 14.4 | 14.0 | 13.6 | 13.1 | 12.6 | 12.2 | 11.7 | 11.1 | 10.6 | 10.0 | 9.4 | 8.8 | 6.9 | 4.5 | | | | | | | | |
| | 30 | - | - | - | - | - | - | 14.8 | 14.4 | 13.9 | 13.5 | 13.0 | 12.6 | 12.1 | 11.6 | 11.1 | 10.5 | 9.9 | 9.3 | 8.7 | 8.0 | 5.9 | 2.9 | | | | | | | | |
| | 40 | - | - | - | - | - | 14.7 | 14.3 | 13.9 | 13.4 | 13.0 | 12.5 | 12.0 | 11.5 | 11.0 | 10.4 | 9.8 | 9.2 | 8.6 | 7.9 | 7.1 | 4.7 | | | | | | | | | |
| | 50 | - | - | - | - | 14.7 | 14.2 | 13.8 | 13.4 | 12.9 | 12.4 | 11.9 | 11.4 | 10.9 | 10.3 | 9.7 | 9.1 | 8.5 | 7.7 | 7.0 | 6.1 | 3.2 | | | | | | | | | |
| | 60 | - | - | 15.0 | 14.6 | 14.2 | 13.7 | 13.3 | 12.8 | 12.4 | 11.9 | 11.3 | 10.8 | 10.2 | 9.6 | 9.0 | 8.3 | 7.6 | 6.8 | 6.0 | 4.9 | | | | | | | | | | |
| | 70 | - | 14.9 | 14.5 | 14.1 | 13.7 | 13.2 | 12.8 | 12.3 | 11.8 | 11.3 | 10.7 | 10.1 | 9.5 | 8.9 | 8.2 | 7.5 | 6.7 | 5.8 | 4.8 | 3.5 | | | | | | | | | | |
| | 80 | - | 14.9 | 14.5 | 14.0 | 13.6 | 13.2 | 12.7 | 12.2 | 11.7 | 11.2 | 10.6 | 10.1 | 9.5 | 8.8 | 8.1 | 7.4 | 6.6 | 5.7 | 4.6 | 3.3 | | | | | | | | | | |
| HP | PSI | PUMPING DEPTH IN FEET | | | | | | | | | | | | | | | | | | SHUT-OFF HEAD | | | | | | | | | | | |
| | | 20 | 40 | 60 | 80 | 100 | 125 | 150 | 175 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | FEET | PSI | | | |
| 2 | 0 | - | - | - | - | - | - | - | 14.9 | 14.6 | 14.0 | 13.3 | 12.7 | 12.0 | 11.1 | 10.2 | 9.2 | 8.0 | 6.6 | 5.1 | 3.1 | | | | | | 806 | 349 | | | |
| | 20 | - | - | - | - | - | 14.9 | 14.6 | 14.4 | 14.0 | 13.4 | 12.7 | 12.0 | 11.1 | 10.2 | 9.2 | 8.0 | 6.6 | 5.1 | 3.1 | | | | | | | | | | | |
| | 30 | - | - | - | - | 15.0 | 14.7 | 14.4 | 14.0 | 13.8 | 13.1 | 12.4 | 11.7 | 10.7 | 9.8 | 8.8 | 7.5 | 6.1 | 4.5 | 2.0 | | | | | | | | | | | |
| | 40 | - | - | - | 14.9 | 14.6 | 14.4 | 14.2 | 13.8 | 13.3 | 12.8 | 12.1 | 11.3 | 10.2 | 9.2 | 8.0 | 6.6 | 5.1 | 3.1 | | | | | | | | | | | | |
| | 50 | - | - | 14.9 | 14.6 | 14.4 | 14.1 | 13.8 | 13.4 | 13.1 | 12.4 | 11.6 | 10.8 | 9.8 | 8.8 | 7.6 | 6.1 | 4.7 | 2.2 | | | | | | | | | | | | |
| | 60 | 15.1 | 14.9 | 14.6 | 14.4 | 14.1 | 13.8 | 13.4 | 13.1 | 12.8 | 12.1 | 11.3 | 10.3 | 9.5 | 8.3 | 6.9 | 5.3 | 3.7 | | | | | | | | | | | | | |
| 3 | 0 | - | - | - | - | - | - | - | - | 14.7 | 14.3 | 13.8 | 13.3 | 12.8 | 12.3 | 11.8 | 11.0 | 10.2 | 9.5 | 8.7 | 7.6 | 6.4 | 5.3 | 4.1 | | | 1100 | 476 | | | |
| | 20 | - | - | - | - | - | - | 15.2 | 14.7 | 14.3 | 13.8 | 13.3 | 12.8 | 12.3 | 11.8 | 11.0 | 10.2 | 9.5 | 8.7 | 7.6 | 6.4 | 5.3 | 4.1 | | | | | | | | |
| | 30 | - | - | - | - | - | - | 14.7 | 15.0 | 14.5 | 14.1 | 13.6 | 13.1 | 12.6 | 12.1 | 11.4 | 10.7 | 10.0 | 9.2 | 8.2 | 7.1 | 6.0 | 4.9 | 3.3 | | | | | | | |
| | 40 | - | - | - | - | - | 15.2 | 15.0 | 14.7 | 14.3 | 13.8 | 13.3 | 12.8 | 12.3 | 11.8 | 11.0 | 10.2 | 9.5 | 8.7 | 7.6 | 6.4 | 5.3 | 4.1 | | | | | | | | |
| | 50 | - | - | - | - | 15.3 | 15.0 | 14.8 | 14.6 | 14.1 | 13.7 | 13.2 | 12.7 | 12.2 | 11.7 | 10.9 | 10.1 | 9.4 | 8.6 | 7.5 | 6.2 | 5.0 | 3.9 | | | | | | | | |
| | 60 | - | - | - | 15.3 | 15.0 | 14.8 | 14.6 | 14.4 | 13.9 | 13.4 | 12.9 | 12.4 | 11.9 | 11.2 | 10.4 | 9.7 | 8.8 | 7.9 | 6.6 | 5.5 | 4.3 | | | | | | | | | |
| HP | PSI | PUMPING DEPTH IN FEET | | | | | | | | | | | | | | | | SHUT-OFF HEAD | | | | | | | | | | | | | |
| | | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | FEET | PSI | | | | | | | | | | | | |
| 5 | 0 | - | - | 15.3 | 14.6 | 14.2 | 13.5 | 12.9 | 12.3 | 11.6 | 10.8 | 9.9 | 8.9 | 7.7 | 6.3 | 4.9 | 2.9 | | | | | | | | | | 1824 | 745 | | | |
| | 20 | - | - | 15.0 | 14.5 | 13.9 | 13.3 | 12.7 | 12.1 | 11.2 | 10.3 | 9.4 | 8.5 | 7.1 | 5.6 | 4.1 | | | | | | | | | | | | | | | |
| | 30 | - | - | 14.9 | 14.3 | 13.8 | 13.1 | 12.5 | 11.9 | 11.1 | 10.2 | 9.2 | 8.2 | 6.7 | 5.2 | 3.7 | | | | | | | | | | | | | | | |
| | 40 | - | - | 14.7 | 14.2 | 13.5 | 12.9 | 12.3 | 11.6 | 10.8 | 9.9 | 8.9 | 7.7 | 6.3 | 4.9 | 2.9 | | | | | | | | | | | | | | | |
| | 50 | - | - | 14.6 | 14.1 | 13.4 | 12.8 | 12.2 | 11.5 | 10.7 | 9.8 | 8.8 | 7.5 | 6.1 | 4.7 | 2.7 | | | | | | | | | | | | | | | |
| | 60 | - | 15.0 | 14.5 | 13.9 | 13.3 | 12.7 | 12.1 | 11.2 | 10.3 | 9.4 | 8.5 | 7.1 | 5.6 | 4.1 | | | | | | | | | | | | | | | | |

CAUTION: DO NOT use pump at flow rates indicated by the symbol '-'. To do so can cause premature failure of unit. Pump warranty void when failure occurs under these conditions. 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.

4" SUBMERSIBLE PUMPS PREDATOR PLUS SERIES

15 GALLONS PER MINUTE UMP PERFORMANCE (Capacity in gallons per minute)

| HP | PSI | PUMPING DEPTH IN FEET | | | | | | | | | | | | | | | | | | | SHUT-OFF HEAD | | | | | | |
|-------|-----|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|---------------|-----|------|-----|-----|--|--|
| | | 0 | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | 360 | 380 | 400 | FEET | PSI | | | |
| 1/2 | 0 | - | - | 20.5 | 19.2 | 17.8 | 16.3 | 14.7 | 12.8 | 10.5 | 7.5 | | | | | | | | | | | | | 201 | 87 | | |
| | 20 | 20.1 | 18.8 | 17.4 | 15.8 | 14.1 | 12.1 | 9.7 | 6.2 | | | | | | | | | | | | | | | | | | |
| | 30 | 18.6 | 17.1 | 15.6 | 13.8 | 11.8 | 9.2 | 5.5 | | | | | | | | | | | | | | | | | | | |
| | 40 | 16.9 | 15.3 | 13.5 | 11.4 | 8.8 | 4.6 | | | | | | | | | | | | | | | | | | | | |
| | 50 | 15.1 | 13.2 | 11.0 | 8.3 | 3.4 | | | | | | | | | | | | | | | | | | | | | |
| | 60 | 12.9 | 10.7 | 7.8 | | | | | | | | | | | | | | | | | | | | | | | |
| | 70 | 10.3 | 7.2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 80 | 6.6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/4 | 0 | - | - | - | 20.2 | 19.2 | 18.2 | 17.1 | 15.9 | 14.7 | 13.3 | 11.7 | 9.8 | 7.5 | 3.6 | | | | | | | | | 269 | 116 | | |
| | 20 | 20.8 | 19.9 | 18.9 | 17.9 | 16.7 | 15.5 | 14.2 | 12.8 | 11.2 | 9.2 | 6.6 | | | | | | | | | | | | | | | |
| | 30 | 19.7 | 18.7 | 17.7 | 16.6 | 15.4 | 14.0 | 12.6 | 10.9 | 8.8 | 6.1 | | | | | | | | | | | | | | | | |
| | 40 | 18.6 | 17.5 | 16.4 | 15.2 | 13.8 | 12.3 | 10.6 | 8.5 | 5.5 | | | | | | | | | | | | | | | | | |
| | 50 | 17.3 | 16.2 | 15.0 | 13.6 | 12.1 | 10.3 | 8.1 | 4.8 | | | | | | | | | | | | | | | | | | |
| | 60 | 16.0 | 14.8 | 13.4 | 11.8 | 10.0 | 7.7 | 4.0 | | | | | | | | | | | | | | | | | | | |
| | 70 | 14.5 | 13.1 | 11.5 | 9.7 | 7.3 | 3.0 | | | | | | | | | | | | | | | | | | | | |
| | 80 | 12.9 | 11.3 | 9.3 | 6.8 | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 0 | - | - | - | - | 20.4 | 19.6 | 18.7 | 17.8 | 16.9 | 15.9 | 14.8 | 13.6 | 12.3 | 10.9 | 9.3 | 7.3 | 4.5 | | | | | | 336 | 145 | | |
| | 20 | - | 21.0 | 20.2 | 19.3 | 18.5 | 17.5 | 16.6 | 15.5 | 14.4 | 13.2 | 11.9 | 10.4 | 8.7 | 6.6 | 3.2 | | | | | | | | | | | |
| | 30 | 20.9 | 20.1 | 19.2 | 18.3 | 17.4 | 16.4 | 15.4 | 14.3 | 13.0 | 11.7 | 10.2 | 8.4 | 6.2 | 2.4 | | | | | | | | | | | | |
| | 40 | 19.9 | 19.1 | 18.2 | 17.3 | 16.3 | 15.2 | 14.1 | 12.8 | 11.5 | 9.9 | 8.1 | 5.7 | | | | | | | | | | | | | | |
| | 50 | 18.9 | 18.0 | 17.1 | 16.1 | 15.0 | 13.9 | 12.6 | 11.3 | 9.7 | 7.8 | 5.3 | | | | | | | | | | | | | | | |
| | 60 | 17.9 | 17.0 | 15.9 | 14.9 | 13.7 | 12.4 | 11.0 | 9.4 | 7.5 | 4.8 | | | | | | | | | | | | | | | | |
| | 70 | 16.8 | 15.8 | 14.7 | 13.5 | 12.2 | 10.8 | 9.1 | 7.1 | 4.2 | | | | | | | | | | | | | | | | | |
| | 80 | 15.6 | 14.5 | 13.3 | 12.0 | 10.6 | 8.8 | 6.7 | 3.6 | | | | | | | | | | | | | | | | | | |
| 1-1/2 | 0 | - | - | - | - | 20.5 | 19.9 | 19.2 | 18.5 | 17.8 | 17.1 | 16.3 | 15.5 | 14.7 | 13.7 | 12.8 | 11.7 | 10.5 | 9.1 | 7.5 | 5.3 | | | 403 | 174 | | |
| | 20 | - | 20.9 | 20.3 | 19.7 | 19.0 | 18.3 | 17.6 | 16.9 | 16.1 | 15.3 | 14.4 | 13.4 | 12.4 | 11.3 | 10.1 | 8.7 | 6.9 | 4.3 | | | | | | | | |
| | 30 | 20.8 | 20.2 | 19.6 | 18.9 | 18.2 | 17.5 | 16.7 | 16.0 | 15.1 | 14.2 | 13.3 | 12.3 | 11.2 | 9.9 | 8.4 | 6.6 | 3.8 | | | | | | | | | |
| | 40 | 20.1 | 19.5 | 18.8 | 18.1 | 17.4 | 16.6 | 15.8 | 15.0 | 14.1 | 13.1 | 12.1 | 11.0 | 9.7 | 8.2 | 6.2 | 3.0 | | | | | | | | | | |
| | 50 | 19.4 | 18.7 | 18.0 | 17.3 | 16.5 | 15.7 | 14.9 | 14.0 | 13.0 | 11.9 | 10.8 | 9.5 | 7.9 | 5.9 | 1.8 | | | | | | | | | | | |
| | 60 | 18.6 | 17.9 | 17.1 | 16.4 | 15.6 | 14.7 | 13.8 | 12.8 | 11.8 | 10.6 | 9.2 | 7.6 | 5.5 | | | | | | | | | | | | | |
| | 70 | 17.8 | 17.0 | 16.3 | 15.4 | 14.6 | 13.7 | 12.7 | 11.6 | 10.4 | 9.0 | 7.3 | 5.1 | | | | | | | | | | | | | | |
| | 80 | 16.9 | 16.1 | 15.3 | 14.4 | 13.5 | 12.5 | 11.4 | 10.2 | 8.8 | 7.0 | 4.6 | | | | | | | | | | | | | | | |
| HP | PSI | PUMPING DEPTH IN FEET | | | | | | | | | | | | | | | | | | | SHUT-OFF HEAD | | | | | | |
| | | 20 | 40 | 60 | 80 | 100 | 125 | 150 | 175 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | FEET | PSI | | | |
| 2 | 0 | - | - | - | - | - | - | - | 20.7 | 20.2 | 19.6 | 18.3 | 16.9 | 14.4 | 11.6 | 7.4 | 2.7 | | | | | | | 525 | 227 | | |
| | 20 | - | - | - | 21.2 | 20.9 | 20.2 | 19.7 | 19.1 | 18.4 | 17.0 | 14.7 | 11.8 | 7.8 | 3.2 | | | | | | | | | | | | |
| | 30 | - | - | 21.2 | 20.8 | 20.3 | 19.7 | 19.1 | 18.5 | 17.9 | 16.1 | 13.5 | 10.2 | 5.5 | | | | | | | | | | | | | |
| | 40 | - | 21.1 | 20.6 | 20.2 | 19.8 | 19.2 | 18.6 | 17.9 | 17.1 | 14.9 | 12.0 | 8.1 | 3.4 | | | | | | | | | | | | | |
| | 50 | 21.1 | 20.6 | 20.1 | 19.7 | 19.2 | 18.6 | 17.9 | 17.1 | 16.2 | 13.6 | 10.8 | 6.0 | | | | | | | | | | | | | | |
| | 60 | 20.5 | 20.1 | 19.6 | 19.1 | 18.7 | 18.0 | 17.2 | 16.2 | 15.1 | 12.2 | 8.6 | 3.7 | | | | | | | | | | | | | | |
| 3 | 0 | - | - | - | - | - | - | - | - | 21.0 | 20.2 | 19.5 | 18.7 | 17.8 | 16.6 | 15.0 | 13.0 | 10.8 | 8.0 | 4.9 | 1.6 | | | 770 | 333 | | |
| | 20 | - | - | - | - | - | - | 21.1 | 20.8 | 20.3 | 19.5 | 18.8 | 17.9 | 16.7 | 15.1 | 13.2 | 11.1 | 8.3 | 5.2 | 1.9 | | | | | | | |
| | 30 | - | - | - | - | - | 21.2 | 20.8 | 20.3 | 19.9 | 19.2 | 18.3 | 17.4 | 16.1 | 14.3 | 12.2 | 10.4 | 7.0 | 3.5 | 3.6 | | | | | | | |
| | 40 | - | - | - | 21.6 | 21.2 | 20.9 | 20.4 | 19.9 | 19.6 | 18.8 | 18.0 | 16.8 | 15.2 | 13.4 | 11.2 | 8.4 | 5.4 | 2.1 | | | | | | | | |
| | 50 | - | - | 21.6 | 21.1 | 20.9 | 20.4 | 20.0 | 19.7 | 19.2 | 18.4 | 17.5 | 16.2 | 14.4 | 12.3 | 10.5 | 7.1 | 3.8 | | | | | | | | | |
| | 60 | - | 21.4 | 21.1 | 20.8 | 20.5 | 20.0 | 19.7 | 19.3 | 18.9 | 18.0 | 16.9 | 15.3 | 13.5 | 11.4 | 8.8 | 5.5 | | | | | | | | | | |

CAUTION: DO NOT use pump at flow rates indicated by the symbol '-'. To do so can cause premature failure of unit. Pump warranty void when failure occurs under these conditions.

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.

4" SUBMERSIBLE PUMPS PREDATOR PLUS SERIES

20 GALLONS PER MINUTE PUMP PERFORMANCE (Capacity in gallons per minute)

| HP | PSI | PUMPING DEPTH IN FEET | | | | | | | | | | | | | | | | | | | SHUT-OFF HEAD | | | | | | | | |
|-------|-----|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------|------|------|------|---------------|---------------|------|------|-----|------|------|------|-----|--|
| | | 0 | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | 360 | 380 | 400 | FEET | PSI | | | | | |
| 3/4 | 0 | - | - | - | - | 26.9 | 25.0 | 23.0 | 20.7 | 18.1 | 15.1 | 11.3 | 4.9 | | | | | | | | | | | | 225 | 97 | | | |
| | 20 | - | - | 26.3 | 24.4 | 22.3 | 19.9 | 17.3 | 14.1 | 9.8 | | | | | | | | | | | | | | | | | | | |
| | 30 | 27.9 | 26.1 | 24.1 | 21.9 | 19.6 | 16.8 | 13.5 | 9.0 | | | | | | | | | | | | | | | | | | | | |
| | 40 | 25.8 | 23.8 | 21.6 | 19.2 | 16.4 | 12.9 | 8.0 | | | | | | | | | | | | | | | | | | | | | |
| | 50 | 23.4 | 21.2 | 18.8 | 15.9 | 12.3 | 7.0 | | | | | | | | | | | | | | | | | | | | | | |
| | 60 | 20.9 | 18.3 | 15.4 | 11.6 | 5.7 | | | | | | | | | | | | | | | | | | | | | | | |
| | 70 | 17.9 | 14.9 | 10.9 | 3.8 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 80 | 14.3 | 10.2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 0 | - | - | - | - | 27.9 | 26.4 | 24.7 | 23.0 | 21.0 | 18.9 | 16.5 | 13.6 | 10.0 | 2.8 | | | | | | | | | | 262 | 114 | | | |
| | 20 | - | - | 27.5 | 25.9 | 24.2 | 22.4 | 20.4 | 18.2 | 15.7 | 12.6 | 8.5 | | | | | | | | | | | | | | | | | |
| | 30 | - | 27.2 | 25.6 | 23.9 | 22.1 | 20.1 | 17.8 | 15.2 | 12.1 | 7.6 | | | | | | | | | | | | | | | | | | |
| | 40 | 27.0 | 25.4 | 23.7 | 21.8 | 19.7 | 17.5 | 14.8 | 11.5 | 6.6 | | | | | | | | | | | | | | | | | | | |
| | 50 | 25.1 | 23.4 | 21.5 | 19.4 | 17.1 | 14.3 | 10.9 | 5.5 | | | | | | | | | | | | | | | | | | | | |
| | 60 | 23.1 | 21.2 | 19.1 | 16.7 | 13.9 | 10.3 | 3.9 | | | | | | | | | | | | | | | | | | | | | |
| | 70 | 20.9 | 18.7 | 16.3 | 13.4 | 9.6 | | | | | | | | | | | | | | | | | | | | | | | |
| | 80 | 18.4 | 15.9 | 12.9 | 8.8 | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-1/2 | 0 | - | - | - | - | - | - | 27.9 | 26.8 | 25.6 | 24.4 | 23.1 | 21.7 | 20.2 | 18.6 | 16.9 | 15.0 | 12.7 | 10.0 | 6.1 | | | | | 375 | 162 | | | |
| | 20 | - | - | - | - | 27.5 | 26.4 | 25.2 | 24.0 | 22.6 | 21.3 | 19.8 | 18.1 | 16.3 | 14.3 | 12.0 | 9.0 | 4.1 | | | | | | | | | | | |
| | 30 | - | - | - | 27.4 | 26.2 | 25.0 | 23.8 | 22.4 | 21.0 | 19.5 | 17.9 | 16.0 | 14.0 | 11.6 | 8.4 | 2.6 | | | | | | | | | | | | |
| | 40 | - | - | 27.2 | 26.0 | 24.8 | 23.6 | 22.2 | 20.8 | 19.3 | 17.6 | 15.7 | 13.6 | 11.1 | 7.8 | | | | | | | | | | | | | | |
| | 50 | - | 27.0 | 25.8 | 24.6 | 23.4 | 22.0 | 20.6 | 19.0 | 17.3 | 15.4 | 13.3 | 10.7 | 7.2 | | | | | | | | | | | | | | | |
| | 60 | 26.8 | 25.7 | 24.4 | 23.2 | 21.8 | 20.3 | 18.8 | 17.0 | 15.1 | 12.9 | 10.2 | 6.5 | | | | | | | | | | | | | | | | |
| | 70 | 25.5 | 24.2 | 23.0 | 21.6 | 20.1 | 18.5 | 16.8 | 14.8 | 12.5 | 9.7 | 5.6 | | | | | | | | | | | | | | | | | |
| | 80 | 24.1 | 22.7 | 21.4 | 19.9 | 18.2 | 16.5 | 14.5 | 12.2 | 9.2 | 4.7 | | | | | | | | | | | | | | | | | | |
| HP | PSI | PUMPING DEPTH IN FEET | | | | | | | | | | | | | | | | | | SHUT-OFF HEAD | | | | | | | | | |
| | | 20 | 40 | 60 | 80 | 100 | 125 | 150 | 175 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | FEET | PSI | |
| 2 | 0 | - | - | - | - | - | - | - | 27.3 | 26.0 | 23.2 | 20.2 | 16.2 | 8.5 | | | | | | | | | | | | 450 | 194 | | |
| | 20 | - | - | - | - | - | - | 26.1 | 24.9 | 23.4 | 20.6 | 16.7 | 9.5 | | | | | | | | | | | | | | | | |
| | 30 | - | - | - | - | 27.6 | 26.2 | 25.0 | 23.5 | 22.1 | 19.1 | 13.8 | 4.8 | | | | | | | | | | | | | | | | |
| | 40 | - | - | - | 27.5 | 26.4 | 25.1 | 23.7 | 22.2 | 20.8 | 17.2 | 10.1 | | | | | | | | | | | | | | | | | |
| | 50 | - | - | 27.2 | 26.1 | 25.1 | 23.8 | 22.3 | 20.9 | 19.3 | 14.0 | 5.7 | | | | | | | | | | | | | | | | | |
| | 60 | - | 27.1 | 26.0 | 25.0 | 23.9 | 22.4 | 21.0 | 19.4 | 17.3 | 10.8 | | | | | | | | | | | | | | | | | | |
| 3 | 0 | - | - | - | - | - | - | - | 27.2 | 25.3 | 23.5 | 21.3 | 19.1 | 16.0 | 11.3 | 3.6 | | | | | | | | | | 605 | 349 | | |
| | 20 | - | - | - | - | - | - | 27.3 | 25.4 | 23.6 | 21.6 | 19.3 | 16.1 | 12.0 | 5.0 | | | | | | | | | | | | | | |
| | 30 | - | - | - | - | - | - | 27.4 | 26.6 | 24.8 | 22.7 | 20.6 | 18.1 | 14.5 | 9.0 | | | | | | | | | | | | | | |
| | 40 | - | - | - | - | - | 27.5 | 26.7 | 25.5 | 23.8 | 21.7 | 19.6 | 16.8 | 12.5 | 5.3 | | | | | | | | | | | | | | |
| | 50 | - | - | - | - | 27.6 | 26.7 | 25.6 | 24.9 | 22.8 | 20.8 | 18.5 | 15.0 | 9.5 | | | | | | | | | | | | | | | |
| | 60 | - | - | - | 27.7 | 26.8 | 25.7 | 24.9 | 23.9 | 21.8 | 19.8 | 16.9 | 12.7 | 5.6 | | | | | | | | | | | | | | | |
| 5 | 0 | - | - | - | - | - | - | - | - | - | - | 27.5 | 26.5 | 25.2 | 24.0 | 22.8 | 21.5 | 20.2 | 18.9 | 17.0 | 14.3 | 11.0 | 6.8 | | 1005 | 476 | | | |
| | 20 | - | - | - | - | - | - | - | - | - | 27.6 | 26.6 | 25.3 | 24.1 | 22.9 | 21.6 | 20.3 | 19.0 | 17.3 | 14.0 | 11.2 | 7.3 | | | | | | | |
| | 30 | - | - | - | - | - | - | - | - | - | 27.1 | 26.0 | 24.9 | 23.5 | 22.2 | 21.0 | 19.9 | 18.2 | 16.2 | 13.3 | 9.5 | 5.2 | | | | | | | |
| | 40 | - | - | - | - | - | - | - | - | 27.7 | 26.7 | 25.4 | 24.2 | 22.9 | 21.7 | 20.4 | 19.1 | 17.5 | 14.4 | 11.5 | 7.7 | 3.1 | | | | | | | |
| | 50 | - | - | - | - | - | - | - | - | 27.2 | 26.0 | 25.0 | 23.6 | 22.3 | 21.1 | 20.0 | 18.4 | 16.3 | 13.5 | 9.9 | 5.7 | | | | | | | | |
| | 60 | - | - | - | - | - | - | - | 27.8 | 26.8 | 25.5 | 24.3 | 23.0 | 21.8 | 20.5 | 19.2 | 17.7 | 14.9 | 12.0 | 8.0 | 3.7 | | | | | | | | |
| HP | PSI | PUMPING DEPTH IN FEET | | | | | | | | | | | | | | SHUT-OFF HEAD | | | | | | | | | | | | | |
| | | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | FEET | PSI | | | | | | | | | | | |
| 7-1/2 | 0 | - | - | - | - | - | 27.3 | 25.7 | 24.3 | 23.1 | 21.5 | 19.9 | 16.4 | 11.3 | 4.1 | | | | | | | | | | 1450 | 628 | | | |
| | 20 | - | - | - | - | 26.7 | 25.3 | 23.7 | 22.3 | 20.8 | 18.9 | 14.7 | 8.5 | | | | | | | | | | | | | | | | |
| | 30 | - | - | - | - | 26.5 | 25.1 | 23.5 | 22.1 | 20.6 | 18.3 | 13.4 | 7.0 | | | | | | | | | | | | | | | | |
| | 40 | - | - | - | 27.5 | 26.3 | 24.7 | 23.3 | 21.7 | 20.2 | 17.3 | 12.1 | 5.3 | | | | | | | | | | | | | | | | |
| | 50 | - | - | - | 27.3 | 25.7 | 24.5 | 22.7 | 21.3 | 19.7 | 16.0 | 10.6 | 3.6 | | | | | | | | | | | | | | | | |
| 10 | 0 | - | - | - | - | - | - | 26.8 | 25.7 | 24.7 | 23.7 | 22.6 | 21.6 | 20.7 | 19.5 | 17.1 | | | | | | | | | 1950 | 844 | | | |
| | 20 | - | - | - | - | 27.5 | 26.4 | 25.3 | 24.4 | 23.3 | 22.1 | 21.3 | 20.1 | 18.5 | 16.0 | | | | | | | | | | | | | | |
| | 30 | - | - | - | - | 27.3 | 26.2 | 25.0 | 24.1 | 23.0 | 21.9 | 21.0 | 19.9 | 18.0 | 15.0 | | | | | | | | | | | | | | |
| | 40 | - | - | - | - | 27.0 | 25.7 | 24.9 | 24.0 | 22.8 | 21.7 | 20.8 | 19.7 | 17.6 | 14.7 | | | | | | | | | | | | | | |
| | 50 | - | - | - | - | 27.8 | 26.7 | 25.5 | 24.7 | 23.6 | 22.5 | 21.5 | 20.6 | 19.4 | 17.0 | 14.0 | | | | | | | | | | | | | |
| | 60 | - | - | - | - | 27.5 | 26.4 | 25.3 | 24.4 | 23.3 | 22.2 | 21.3 | 20.2 | 18.5 | 16.1 | 12.5 | | | | | | | | | | | | | |

CAUTION: DO NOT use pump at flow rates indicated by the symbol '-'. To do so can cause premature failure of unit. Pump warranty void when failure occurs under these conditions. 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.

4" SUBMERSIBLE PUMPS PREDATOR PLUS SERIES

30 GALLONS PER MINUTE PUMP PERFORMANCE (Capacity in gallons per minute)

| HP | PSI | PUMPING DEPTH IN FEET | | | | | | | | | | | | | | | | | | SHUT-OFF HEAD | | | | |
|-------|-----|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------|------|------|------|---------------|------|-----|--|--|
| | | 20 | 40 | 60 | 80 | 100 | 125 | 150 | 175 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | FEET | PSI | | |
| 1 | 0 | — | 42.5 | 40.9 | 39.1 | 36.8 | 32.5 | 26.0 | 8.0 | | | | | | | | | | | | 175 | 76 | | |
| | 20 | 40.4 | 38.8 | 36.0 | 32.4 | 27.7 | 13.3 | | | | | | | | | | | | | | | | | |
| | 30 | 38.0 | 35.3 | 31.7 | 26.3 | 14.3 | | | | | | | | | | | | | | | | | | |
| | 40 | 35.0 | 31.4 | 25.9 | 12.1 | | | | | | | | | | | | | | | | | | | |
| | 50 | 30.2 | 24.0 | 3.0 | | | | | | | | | | | | | | | | | | | | |
| | 60 | 21.9 | | | | | | | | | | | | | | | | | | | | | | |
| 1-1/2 | 0 | — | — | 41.9 | 39.9 | 37.5 | 34.1 | 30.9 | 26.9 | 17.0 | | | | | | | | | | | 210 | 91 | | |
| | 20 | 41.2 | 39.1 | 36.5 | 34.0 | 31.5 | 27.8 | 21.5 | | | | | | | | | | | | | | | | |
| | 30 | 38.9 | 36.1 | 33.8 | 31.0 | 27.9 | 21.8 | | | | | | | | | | | | | | | | | |
| | 40 | 36.0 | 33.5 | 30.8 | 27.7 | 20.2 | | | | | | | | | | | | | | | | | | |
| | 50 | 32.9 | 30.1 | 26.8 | 21.5 | | | | | | | | | | | | | | | | | | | |
| | 60 | 29.5 | 25.9 | 18.1 | | | | | | | | | | | | | | | | | | | | |
| 2 | 0 | — | — | — | 41.8 | 40.5 | 38.8 | 36.8 | 34.7 | 31.6 | 23.7 | | | | | | | | | | 280 | 121 | | |
| | 20 | — | 41.3 | 40.1 | 38.7 | 37.1 | 34.9 | 32.1 | 29.0 | 24.8 | | | | | | | | | | | | | | |
| | 30 | 41.2 | 40.0 | 38.5 | 37.0 | 35.0 | 32.2 | 29.1 | 24.9 | 15.2 | | | | | | | | | | | | | | |
| | 40 | 39.9 | 38.3 | 36.6 | 34.8 | 32.7 | 29.8 | 25.1 | 16.1 | | | | | | | | | | | | | | | |
| | 50 | 38.0 | 36.3 | 34.5 | 32.1 | 30.0 | 25.3 | 17.5 | | | | | | | | | | | | | | | | |
| | 60 | 36.0 | 34.0 | 31.9 | 29.1 | 26.0 | 18.0 | | | | | | | | | | | | | | | | | |
| 3 | 0 | — | — | — | — | 42.7 | 41.6 | 40.1 | 39.6 | 38.2 | 35.5 | 32.0 | 27.3 | | | | | | | | 420 | 182 | | |
| | 20 | — | — | 42.4 | 41.5 | 41.0 | 39.8 | 38.5 | 37.1 | 35.7 | 32.1 | 28.0 | 18.5 | | | | | | | | | | | |
| | 30 | 42.9 | 42.2 | 41.3 | 40.6 | 39.9 | 38.7 | 37.2 | 35.8 | 34.2 | 30.3 | 24.9 | 6.0 | | | | | | | | | | | |
| | 40 | 42.1 | 41.2 | 40.4 | 39.7 | 38.8 | 37.3 | 35.9 | 34.5 | 32.6 | 28.3 | 19.9 | | | | | | | | | | | | |
| | 50 | 41.1 | 40.3 | 39.5 | 38.5 | 37.4 | 36.0 | 34.6 | 32.7 | 31.0 | 25.2 | 9.5 | | | | | | | | | | | | |
| | 60 | 40.2 | 39.3 | 38.3 | 37.2 | 36.1 | 34.7 | 32.8 | 31.0 | 28.5 | 20.5 | | | | | | | | | | | | | |
| 5 | 0 | — | — | — | — | — | — | — | 42.6 | 42.0 | 40.7 | 39.2 | 38.0 | 36.0 | 34.2 | 31.9 | 29.2 | 26.0 | 20.0 | | 705 | 305 | | |
| | 20 | — | — | — | — | — | 42.7 | 42.0 | 41.3 | 40.8 | 39.3 | 38.2 | 36.2 | 34.4 | 32.4 | 30.0 | 26.1 | 21.5 | | | | | | |
| | 30 | — | — | — | — | 42.8 | 42.1 | 41.4 | 40.8 | 40.1 | 38.7 | 37.0 | 35.1 | 33.1 | 31.1 | 26.0 | 24.1 | 16.0 | | | | | | |
| | 40 | — | — | — | — | 42.1 | 41.5 | 40.9 | 40.2 | 39.3 | 37.9 | 36.1 | 34.3 | 32.0 | 29.4 | 26.2 | 20.4 | | | | | | | |
| | 50 | — | — | 42.6 | 42.0 | 41.5 | 41.2 | 40.2 | 39.5 | 38.8 | 37.1 | 35.4 | 33.2 | 31.2 | 28.8 | 24.5 | 16.0 | | | | | | | |
| | 60 | — | 42.5 | 42.0 | 41.4 | 41.1 | 40.3 | 39.8 | 38.9 | 38.1 | 36.2 | 34.2 | 32.1 | 30.0 | 26.7 | 22.0 | | | | | | | | |
| HP | PSI | PUMPING DEPTH IN FEET | | | | | | | | | | | | | | SHUT-OFF HEAD | | | | | | | | |
| | | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | FEET | PSI | | | | | | | | |
| 7-1/2 | 0 | — | — | 40.4 | 37.6 | 34.8 | 32.0 | 28.1 | 20.0 | | | | | | | | | | | | 975 | 422 | | |
| | 20 | — | 42.0 | 39.3 | 36.5 | 33.8 | 30.5 | 25.5 | 13.8 | | | | | | | | | | | | | | | |
| | 30 | — | 41.3 | 38.6 | 35.8 | 33.1 | 29.8 | 23.3 | 6.5 | | | | | | | | | | | | | | | |
| | 40 | — | 40.7 | 38.1 | 35.6 | 32.6 | 29.3 | 21.7 | | | | | | | | | | | | | | | | |
| | 50 | 42.7 | 40.1 | 37.3 | 34.6 | 31.7 | 27.4 | 19.3 | | | | | | | | | | | | | | | | |
| | 60 | 42.0 | 39.4 | 36.5 | 33.7 | 30.7 | 25.1 | 13.9 | | | | | | | | | | | | | | | | |
| 10 | 0 | — | — | — | 41.3 | 39.5 | 37.3 | 35.1 | 33.1 | 30.4 | 27.1 | 22.5 | 11.9 | | | | | | | | 1345 | 582 | | |
| | 20 | — | — | 42.3 | 40.5 | 38.6 | 36.4 | 34.5 | 31.8 | 29.2 | 25.3 | 18.7 | | | | | | | | | | | | |
| | 30 | — | — | 42.0 | 40.1 | 43.0 | 35.7 | 33.7 | 31.3 | 28.4 | 24.2 | 16.3 | | | | | | | | | | | | |
| | 40 | — | — | 41.6 | 39.7 | 37.7 | 35.5 | 33.5 | 30.9 | 27.7 | 23.4 | 14.4 | | | | | | | | | | | | |
| | 50 | — | 42.7 | 41.0 | 39.3 | 37.1 | 34.9 | 32.8 | 30.2 | 26.7 | 21.7 | 7.7 | | | | | | | | | | | | |
| | 60 | — | 42.3 | 40.6 | 38.7 | 36.5 | 34.5 | 32.3 | 29.5 | 25.7 | 20.1 | 5.0 | | | | | | | | | | | | |

CAUTION: DO NOT use pump at flow rates indicated by the symbol '—'. To do so can cause premature failure of unit. Pump warranty void when failure occurs under these conditions. 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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