



# 4" Submersible Pumps – 5, 10, 20, 30 and 50 Gpm



*Precision-engineered, high-quality, rugged MGS Stainless Steel Series 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. Higher temperature engineered thermoplastic staging with floating impeller design resists sand and reduces sand locking. Pumps feature the proven SignaSeal™ staging system.*

## APPLICATIONS

- Solution Mining
- Coal Bed Methane
- Uranium Mining

## SPECIFICATIONS

**Shell** – Stainless steel  
**Diameter** – 3-7/8"  
**Discharge** – Stainless steel  
**Discharge Bearing** – Nylatron®  
**Intermediate Bearing** – Higher temperature engineered thermoplastic, nitrile rubber and stainless steel  
**Impellers** – Acetal  
**Diffusers** – Higher temperature engineered thermoplastic  
**Suction Caps** – Higher temperature engineered thermoplastic with stainless steel insert  
**Thrust Pads** – Proprietary spec.  
**Shaft and Coupling** – Stainless steel  
**Intake** – Stainless steel  
**Intake Screen** – Stainless steel  
**CableGuard** – Stainless steel

## FEATURES

**Proven Staging System** – Our higher temperature engineered thermoplastic 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 wrench flats for ease of installation.

**Discharge Bearing** – Exclusive self-lubricating Nylatron® bearing resists wear from sand.

**Intake** – Corrosion-resistant 300 grade stainless steel for durability in aggressive water.

**Shaft** – Positive drive from “treated” 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.

**Hardware** – All screws, washers and nuts are corrosion-resistant 300 grade stainless steel.

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

**Intake Screen** – Stainless steel.

**PENTEK® XE Motor** – 2 and 3 wire NEMA standard all stainless construction water-filled motors.

Nylatron® is a registered trademark of Polymer Corp. PRO-Source™, SignaSeal™, and TrimLine™ are trademarks of Pentair Water.

In order to provide the best products possible, specifications are subject to change.



## Mining Deepset series

# 4" Submersible Pumps – 5, 10, 20, 30 and 50 Gpm

### ORDERING INFORMATION

GPM	HP	Stgs.	PH	Volt	Pump End			Motor	
					Catalog Number	Length Inches*	Weight Pounds*	Catalog Number	Weight Pounds*
5	3	57	1	230	L5MGS30-M	53-1/2	27	P43B0030A2	53
	3	57	3	230	L5MGS30-M	53-1/2	27	P43B0030A3	53
	3	57	3	460	L5MGS30-M	53-1/2	27	P43B0030A4	53
10	3	26	1	230	L10MGS30-M	27-1/2	17	P43B0030A2	53
	3	26	3	230	L10MGS30-M	27-1/2	17	P43B0030A3	53
	3	26	3	460	L10MGS30-M	27-1/2	17	P43B0030A4	53
	5	43	1	230	L10MGS50-M	42-3/4	25	P43B0050A2	67
	5	43	3	230	L10MGS50-M	42-3/4	25	P43B0050A3	67
	5	43	3	460	L10MGS50-M	42-3/4	25	P43B0050A4	67
20	5	28	1	230	L20MGS50-M	38	21	P43B0050A2	67
	5	28	3	230	L20MGS50-M	38	21	P43B0050A3	67
	5	28	3	460	L20MGS50-M	38	21	P43B0050A4	67
	7-1/2	40	3	230	L20MGS75-M	53-3/4	30	P43B0075A3	69
	7-1/2	40	3	460	L20MGS75-M	53-3/4	30	P43B0075A4	69
	10	54	3	460	L20MGS100-M	71	41	P43B0100A4	69
30	5	20	1	230	L30MGS50-M	35-3/4	20	P43B0050A2	53
	5	20	3	230	L30MGS50-M	35-3/4	20	P43B0050A3	53
	5	20	3	460	L30MGS50-M	35-3/4	20	P43B0050A4	53
	7-1/2	28	3	230	L30MGS75-M	50	27	P43B0075A3	69
	7-1/2	28	3	460	L30MGS75-M	50	27	P43B0075A4	69
	10	38	3	460	L30MGS100-M	65-1/2	35	P43B0100A4	69
50	7-1/2	20	3	230	L50MGS75-M	47-1/2	33	P43B0075A3	69
	7-1/2	20	3	460	L50MGS75-M	47-1/2	33	P43B0075A4	69
	10	25	3	460	L50MGS100-M	57-3/4	35	P43B0100A4	70

\* Length and Weight are approximate.

**NOTE:** Pump, Motor, Control Box or Magnetic Starter must be ordered separately.



Mining Deepset series

# 4" Submersible Pumps – 5, 10, 20, 30 And 50 Gpm

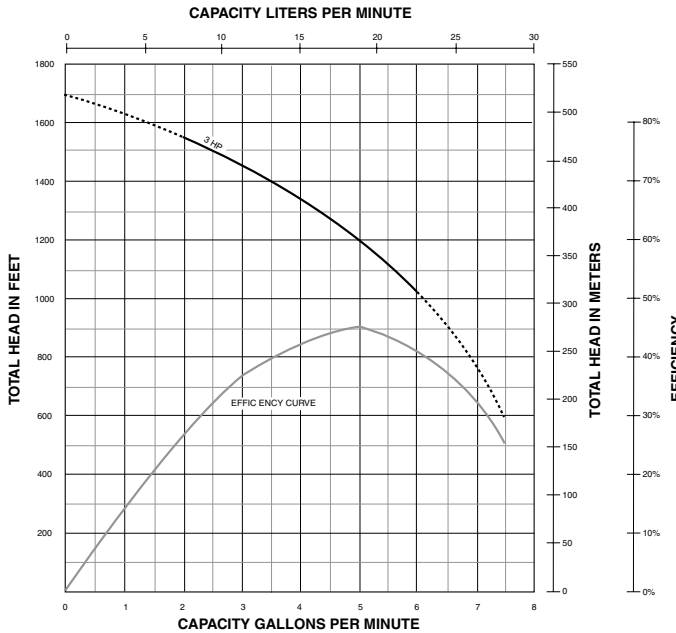
**OUTLINE DIMENSIONS**

Discharge	
5 GPM	1-1/4" NPT
10 GPM	1-1/4" NPT
20 GPM	1-1/4" NPT
30 GPM	2" NPT
50 GPM	2" NPT

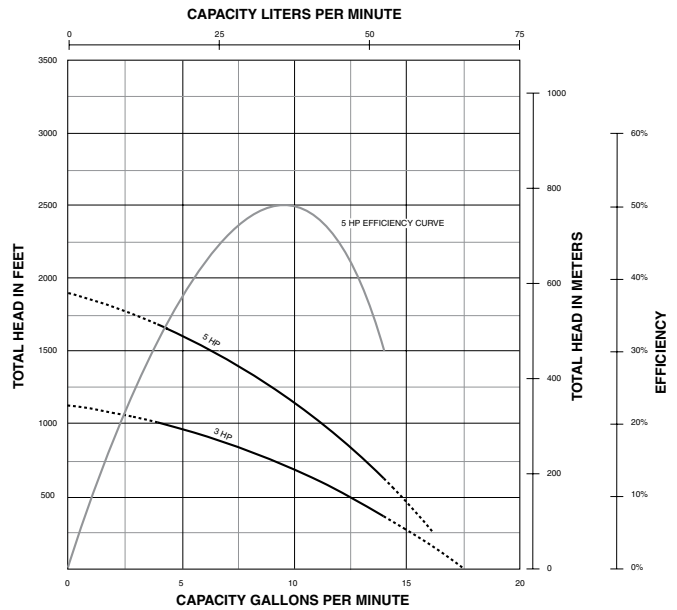
Pump diameter is 3-7/8".  
For lengths, refer to Ordering Information tables.

Dimensions (in inches) are for estimating purposes only.

## PUMP PERFORMANCE – 5 GPM



## PUMP PERFORMANCE – 10 GPM



Tested and rated in accordance with Water Systems Council standards.

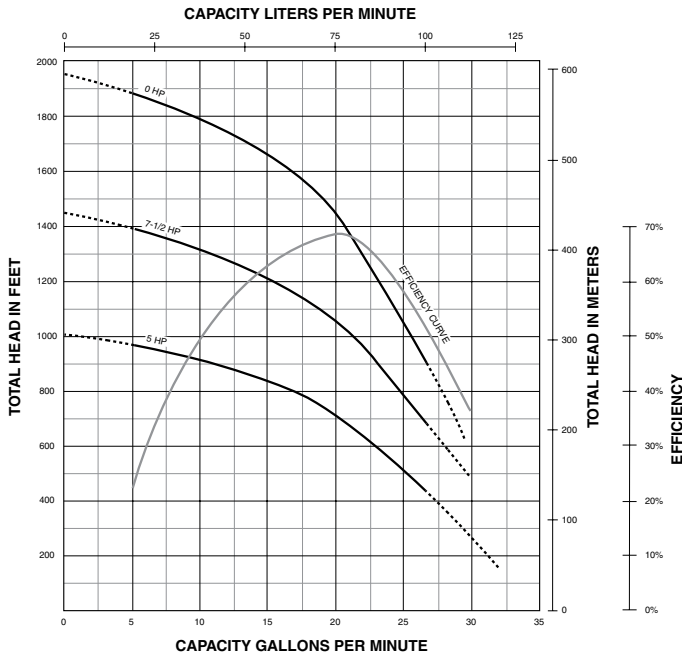
**NOTE:** Pumps installed with a PRO-SOURCE™ tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.



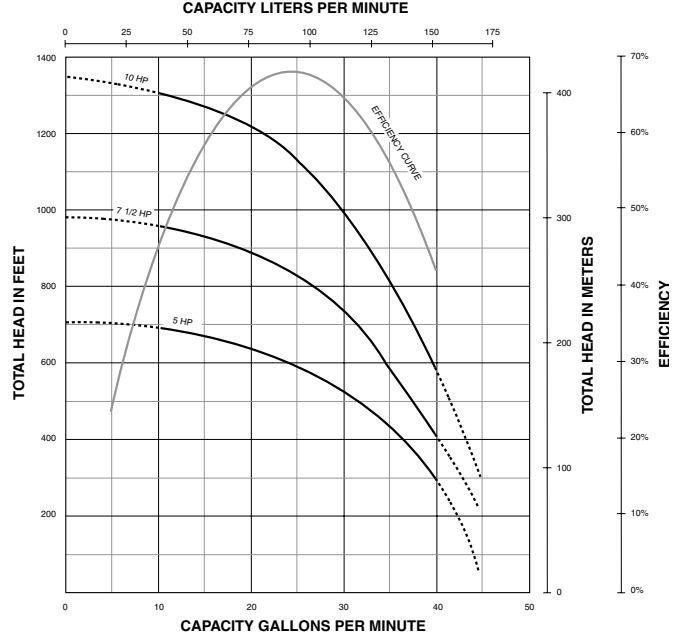
Mining Deepset series

# 4" Submersible Pumps – 5, 10, 20, 30 And 50 Gpm

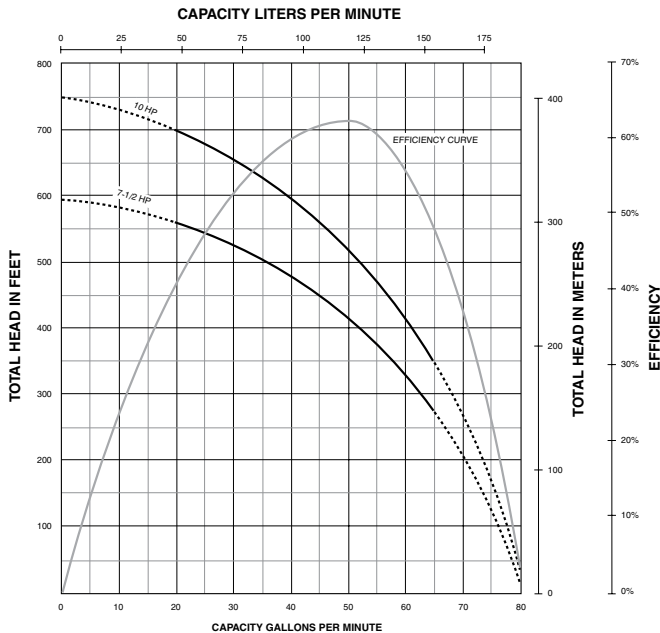
## PUMP PERFORMANCE – 20 GPM



## PUMP PERFORMANCE – 30 GPM



## PUMP PERFORMANCE – 50 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.