

Environmental Submersible Pumps

Grundfos 800S Teflon® Retrofitted Submersible Pumps

These Grundfos submersible pumps are made of stainless steel and retrofitted with Teflon® to handle the rigors of contaminated groundwater pumping and continuous operation in remediation applications. Built to deliver optimum efficiency during periods of high demand, all Grundfos pumps provide low, long-term operating costs and high operating reliability regardless of the application.

Grundfos Teflon® retrofitted submersibles meet government guidelines for environmental equipment and have been proven through extensive use in the field.

FEATURES

- **Made For 10" (25.4 cm) and Larger Wells**
Flow rates of 160 to 1100 GPM (605.7 to 4,163.9 LPM).
- **State-of-the-art Hydraulics**
Pump efficiency is maximized by constant improvement of the high-performance hydraulic design, and precise manufacturing process.
- **Manufactured With High-grade Stainless Steel**
Rugged stainless steel construction inside and out resists corrosion and attack from aggressive liquids.
- **Wear-resistant Design**
Designed to flush abrasive particles from the pump, and made from stainless steel to resist wear caused by abrasives.
- **Built-in Check Valve**
Prevents back-flow into the well once the pump is shut down.
- **User Friendly Cable Guard For Easy Installation**
- **20 to 125 HP Motors**
Stainless steel construction and quality design.
- **Motor Controls and Protection**
Available controls to protect the motor against burnout and dry-running, plus the ability to monitor the system allowing the user to optimize settings.

OPERATION

Typical clean-up operations include water table depression techniques to isolate and remove dissolved contaminants.

With correct placement of the recovery well and proper sizing of the depression pump, the water table is depressed to stop and reverse the movement of the contamination plume. Once isolated, the contaminant is removed for treatment, re-use, or proper disposal.



GRUNDFOS 

*Geotech is a Certified
Grundfos Master Distributor*

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Geotech Environmental Equipment, Inc.

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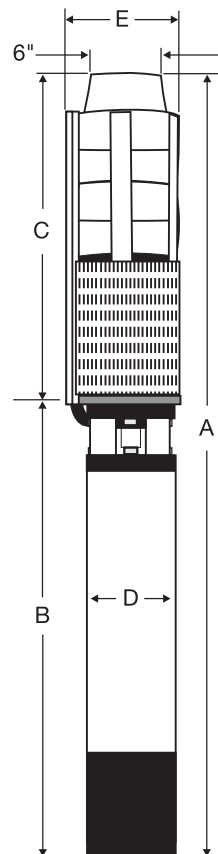
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DIMENSIONS & WEIGHTS

Model No.	HP	Motor Size		Discharge Size	Dimensions										Approximate Shipping Wt.	
		In.	CM		A		B		C		D		E		Lbs.	Kg
800S200-1A	20	6	15	6" NPT	53.1	134.9	27.5	69.9	25.6	65.0	5.4	13.7	8.3	21.1	219	99.3
800S300-1	30	6	15	6" NPT	57.6	146.3	32	81.3	25.6	65.0	5.4	13.7	8.3	21.1	241	109.3
800S400-2AA*	40	6	15	6" NPT	66.2	168.1	34.4	87.4	31.8	80.8	5.4	13.7	8.3	21.1	320	145.1
800S500-2A*	50	6	15	6" NPT	87.5	222.3	55.7	141.5	31.8	80.8	5.4	13.7	8.3	21.1	402	182.3
800S500-2*	50	6	15	6" NPT	87.5	222.3	55.7	141.5	31.8	80.8	5.4	13.7	8.3	21.1	402	182.3
800S600-3AA*	60	6	15	6" NPT	99.6	253.0	61.7	156.7	37.9	96.3	5.4	13.7	8.3	21.1	448	203.2
800S400-2AA*	40	6	15	6" NPT	66.2	168.1	34.4	87.4	31.8	80.8	7.5	19.1	8.6	21.8	459	208.2
800S500-2A*	50	6	15	6" NPT	87.5	222.3	55.7	141.5	31.8	80.8	7.5	19.1	8.6	21.8	499	226.3
800S500-2*	50	8	20	6" NPT	87.5	222.3	55.7	141.5	31.8	80.8	7.5	19.1	8.6	21.8	499	226.3
800S600-3AA*	60	8	20	6" NPT	99.6	253.0	61.7	156.7	37.9	96.3	7.5	19.1	8.6	21.8	477	216.4
800S750-3A	75	8	20	6" NPT	85.3	216.7	47.4	120.4	37.9	96.3	7.5	19.1	8.6	21.8	547	248.1
800S750-3	75	8	20	6" NPT	85.3	216.7	47.4	120.4	37.9	96.3	7.5	19.1	8.6	21.8	547	248.1
800S1000-4AA	100	8	20	6" NPT	98.9	251.2	54.9	139.4	44	111.8	7.5	19.1	8.6	21.8	635	288.0
800S1000-4A	100	8	20	6" NPT	98.9	251.2	54.9	139.4	44	111.8	7.5	19.1	8.6	21.8	635	288.0
800S1000-4	100	8	20	6" NPT	98.9	251.2	54.9	139.4	44	111.8	7.5	19.1	8.6	21.8	635	288.0
800S1250-5AA	125	8	20	6" NPT	118.9	302.0	68.8	174.8	50.1	127.3	7.5	19.1	8.6	21.8	837	379.7
800S1250-5A	125	8	20	6" NPT	118.9	302.0	68.8	174.8	50.1	127.3	7.7	19.6	8.6	21.8	837	379.7
800S1250-5	125	8	20	6" NPT	118.9	302.0	68.8	174.8	50.1	127.3	7.7	19.6	8.6	21.8	837	379.7

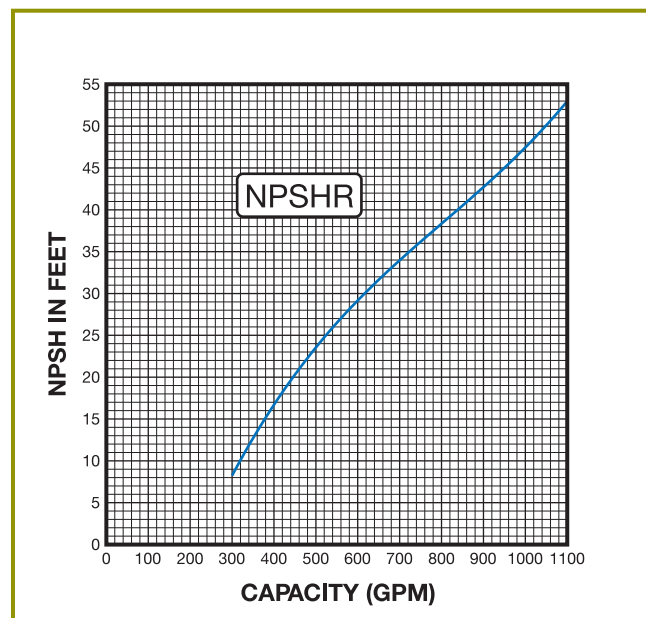
NOTES: All models suitable for use in 10" (25.4 cm) wells, unless otherwise noted.
Weights include pump end with motor in lbs.
*Alternate motor sizes available.

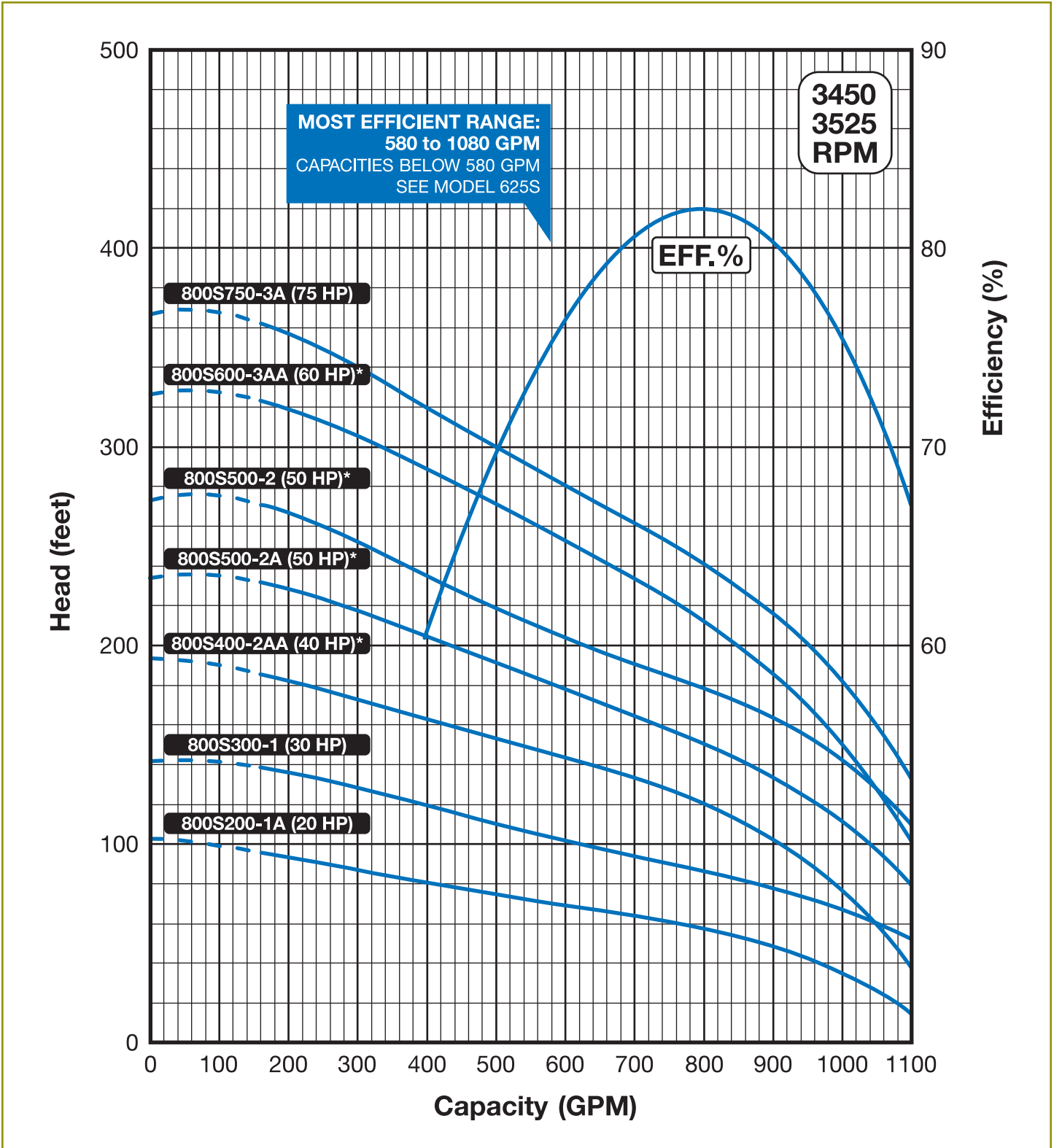


MATERIALS OF CONSTRUCTION

COMPONENT	CYLINDRICAL SHAFT
Valve Housing	304 Stainless Steel
Check Valve	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel
Split Cone Nut	304 Stainless Steel
Split Cone	304 Stainless Steel
Impeller	304 Stainless Steel
Suction Interconnector	304 Stainless Steel
Inlet Screen	304 Stainless Steel
Straps	304 Stainless Steel
Cable Guard	316 Stainless Steel
Coupling	316/329 Stainless Steel
Pump Shaft	431 Stainless Steel
Intermediate Bearings	Teflon®
Impeller Seal Ring	Teflon®
Top Bearing	NBR/316 Stainless Steel
Upthrust Disc	Carbon/Graphite HY22
O-Ring	NBR
Valve Seat	304 Stainless Steel
Lower Valve Seat Retainer	316 Stainless Steel
Upper Valve Seat Retainer	304 Stainless Steel
Valve Guide	304 Stainless Steel
Valve Cup Spring	304 Stainless Steel

NOTES: Specifications are subject to change without notice.





Specifications subject to change without notice.

6" motor standard, 20-60 HP/3450 RPM.

8" motor standard, 75-125 HP/3525 RPM.

* Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A @ 10 ft. minimum submergence.

Model 800S Teflon Retrofitted

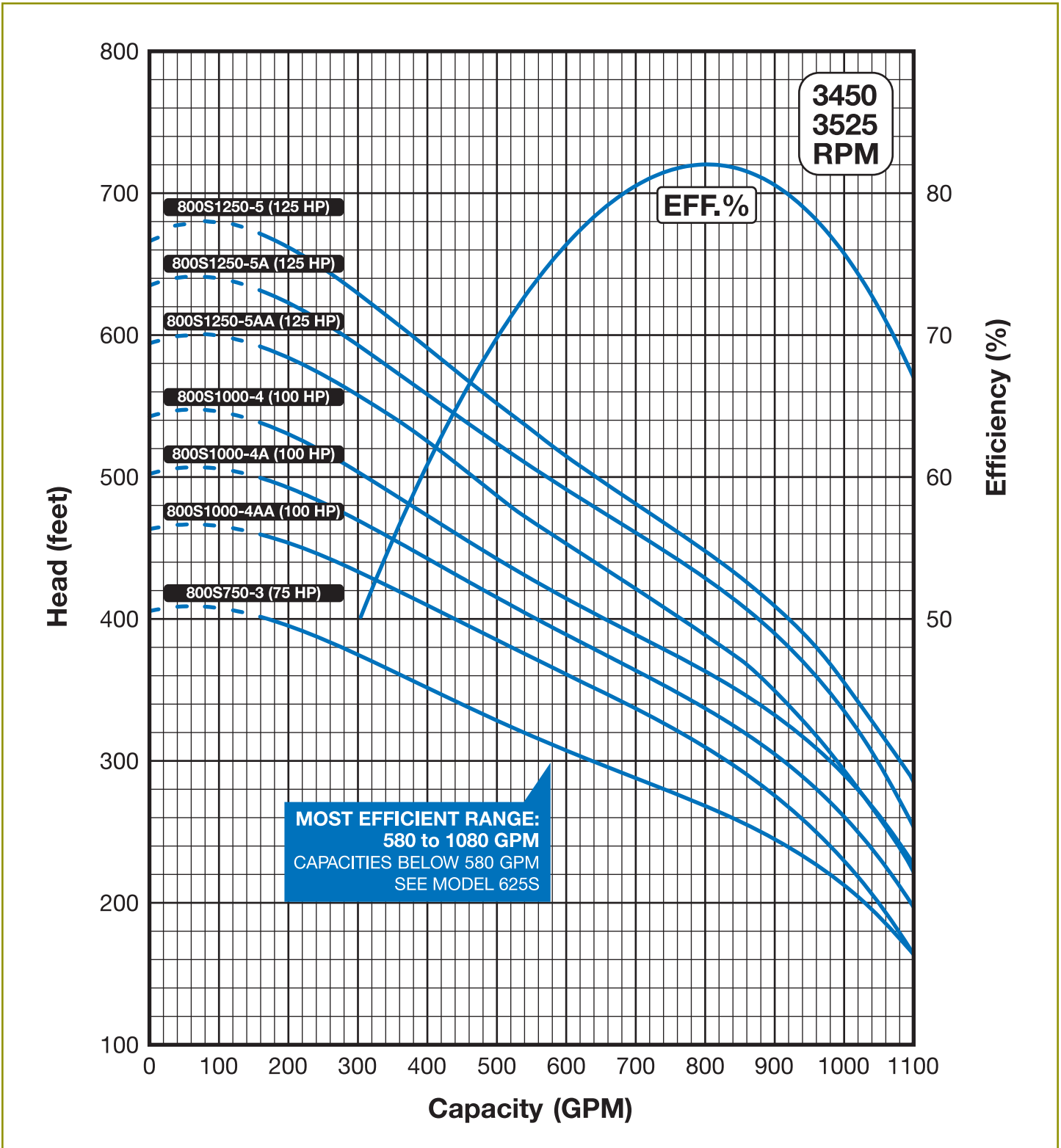
800 GPM (3,028.3 LPM)

Technical Data

FLOW RANGE: 160 - 1080 GPM

OUTLET SIZE: 6" NPT

NOMINAL DIA. 10"



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6" motor standard, 20-60 HP/3450 RPM.
8" motor standard, 75-125 HP/3525 RPM.
Performance conforms to ISO 9906 Annex A @ 10 ft. minimum submergence.