

These Grundfos submersible pumps are made of stainless steel and retrofitted with PTFE 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 Enviro retrofitted submersibles meet government guidelines for environmental equipment and have been proven through extensive use in the field.

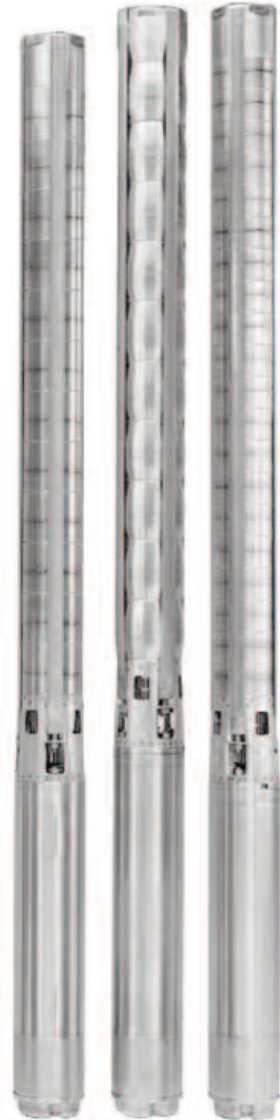
### FEATURES

- Made for 4" (10.1 cm) and Larger Wells - Flow rates of 20 to 750 GPM (75.7 to 2839 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
- 2 to 75 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*

CALL GEOTECH TODAY

**(800) 833-7958**

Geotech Environmental Equipment, Inc.

2650 East 40th Avenue Denver, Colorado 80205

(303) 320-4764 FAX (303) 322 7242

email: sales@geotechenv.com website: www.geotechenv.com

### Technical Specifications

Model #	Fig.	HP	Motor Size (in.)	Discharge Size	Length A		Length B		Length C		Approx. Weight	
					(in)	(cm)	(in)	(cm)	(in)	(cm)	(lbs)	(kg)
160S20-1	A	2	4	3" NPT	28.5	72.4	14.5	36.8	14	35.56	58	26.274
160S50-2	A	5	4	3" NPT	43.2	109.7	23.2	58.9	20	50.8	78	35.334
160S75-3	A	7.5	4	3" NPT	53.1	134.9	29.1	73.9	24	60.96	95	43.035
160S75-4	A	7.5	4	3" NPT	57.1	145	29.1	73.9	28	71.12	100	45.3
160S100-5	A	10	6	3" NPT	75.1	190.8	43.1	109.5	32	81.28	155	70.215
160S150-6	A	15	6	3" NPT	64	162.6	28	71.1	36	91.44	170	77.01
160S150-7	A	15	6	3" NPT	68	172.7	28	71.1	40	101.6	172	77.916
160S150-8	A	15	6	3" NPT	72	182.9	28	71.1	44	111.76	177	80.181
160S150-9	A	15	6	3" NPT	76	193	28	71.1	48	121.92	194	87.882
160S200-10	A	20	6	3" NPT	80.6	204.7	30.6	77.7	50	127	196	88.788
160S200-11	A	20	6	3" NPT	84.6	214.9	30.6	77.7	54	137.16	201	91.053
160S200-12	A	20	6	3" NPT	88.6	225	30.6	77.7	58	147.32	238	107.814
160S250-13	A	25	6	3" NPT	92.4	234.7	33.1	84.1	59.3	150.622	241	109.173
160S250-14	A	25	6	3" NPT	96.4	244.9	33.1	84.1	63.3	160.782	245	110.985
160S250-15	A	25	6	3" NPT	100.4	255	33.1	84.1	67.3	170.942	263	119.139
160S300-16	A	30	6	3" NPT	106.4	270.3	35.7	90.7	70.7	179.578	265	120.045
160S300-17	A	30	6	3" NPT	110.4	280.4	35.7	90.7	74.7	189.738	269	121.857
160S300-18	A	30	6	3" NPT	114.4	290.6	35.7	90.7	78.7	199.898	309	139.977
160S400-20	A	40	6	3" NPT	127.4	323.6	40.8	103.6	86.6	219.964	326	147.678
160S400-22	A	40	6	3" NPT	135.4	343.9	40.8	103.6	94.6	240.284	341	154.473
160S400-24	A	40	6	3" NPT	143.4	364.2	40.8	103.6	102.6	260.604	343	155.379
160S500-26	A	50	6	3" NPT	170.4	432.8	57.8	146.8	112.6	286.004	447	202.491
160S500-28	A	50	6	3" NPT	178.4	453.1	57.8	146.8	120.6	306.324	449	203.397
160S500-29	A	50	6	3" NPT	182.4	463.3	57.8	146.8	124.6	316.484	451	204.303
160S600-31	A	60	6	3" NPT	196.4	498.9	63.8	162.1	132.6	336.804	455	206.115
160S600-33	A	60	6	3" NPT	204.4	519.2	63.8	162.1	140.6	357.124	459	207.927
160S600-36	A	60	6	3" NPT	216.4	549.7	63.8	162.1	152.6	387.604	495	224.235
160S750-39	B	75	8	3" NPT	231.4	587.8	75	190.5	156.4	397.256	595	269.535

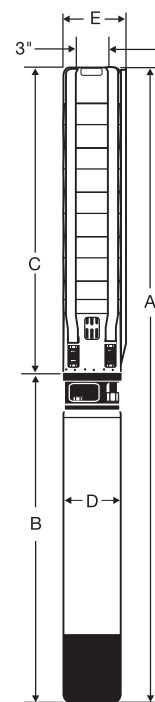


Fig. A

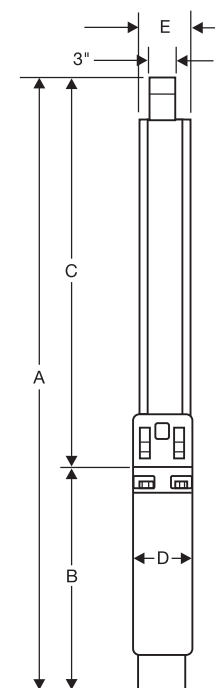
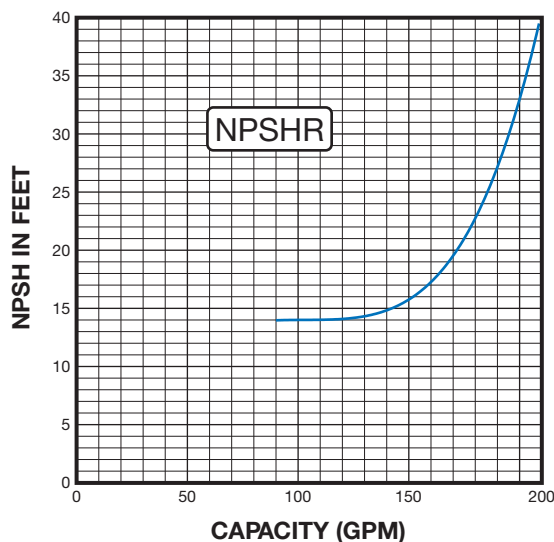


Fig. B

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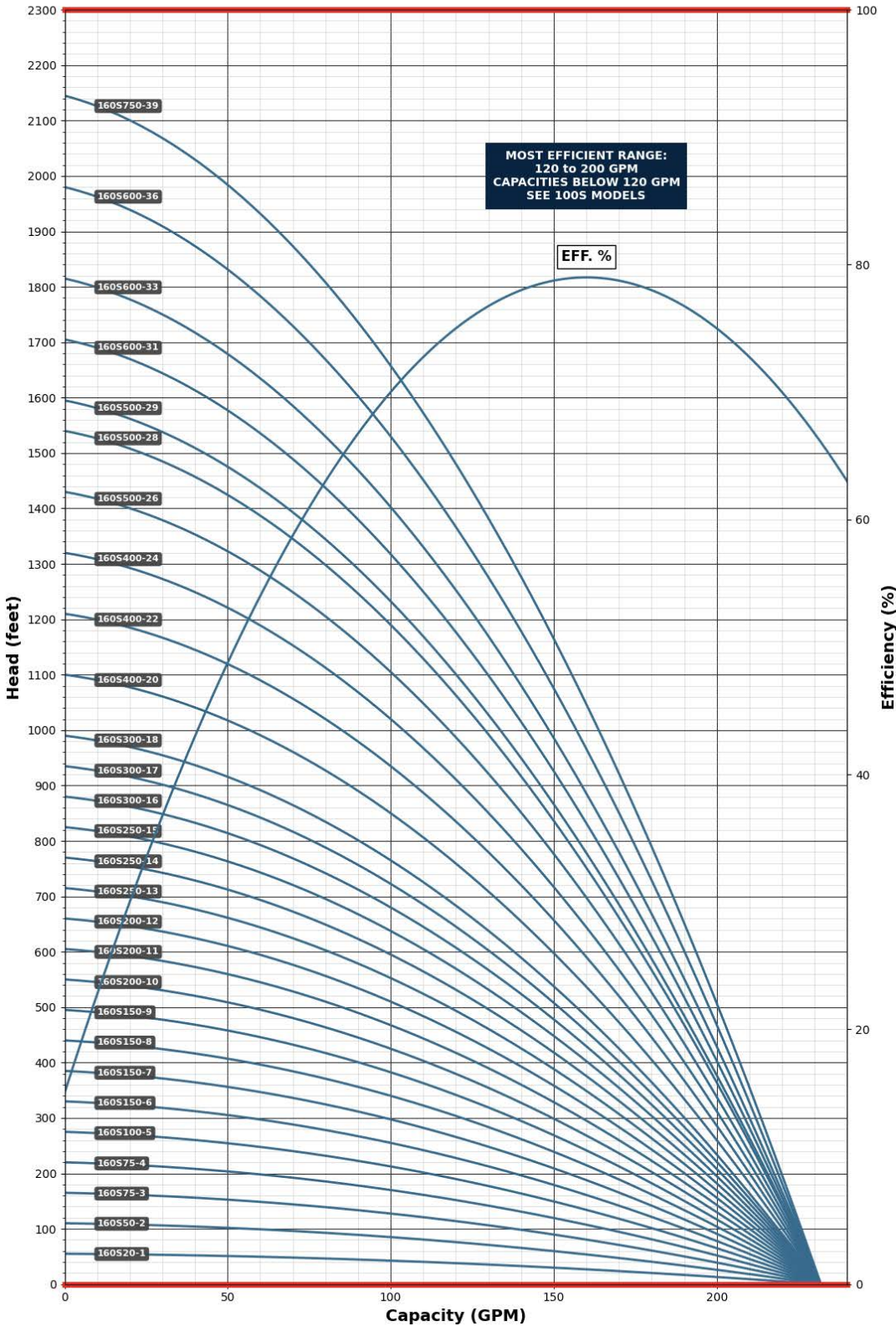
Materials of Construction	
Component	Cylindrical Shaft (1-39 Stgs.)
Check Valve Housing	304 Stainless Steel
Check Valve	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel
Split Cone Nut	304 Stainless Steel
Split Cone	304 Stainless Steel
Impeller	304 Stainless Steel
Suction Interconnector	304 Stainless Steel
Inlet Screen	304 Stainless Steel
Seal Ring Support Plate	304 Stainless Steel
Straps	304 Stainless Steel
Cable Guard	304 Stainless Steel
Priming Inducer	304 Stainless Steel
Coupling	316/329 Stainless Steel**
Pump Shaft	431 Stainless Steel
Intermediate Bearings	PTFE
Impeller Seal Ring	PTFE
Check Valve Seat	NBR/316 Stainless Steel
Top Bearing	PTFE/304 Stainless Steel
Upthrust Disc	Carbon/Graphite
Upthrust Stop Washer	304 Stainless Steel
8" Motor Adaptor Plate	304 Stainless Steel
Sleeve*	316 Stainless Steel
Sleeve Flange	304 Stainless Steel
NOTES: Specifications are subject to change without notice. *Required for 29-39 stage models. ** 4" Coupling made of 316 Stainless Steel	



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**Model 160S Series**  
**160 GPM (605.6 LPM)**  
**3450 RPM**



Specifications subject to change without notice.  
 4" motor standard, 2-10 HP/3450 RPM.  
 6" motor standard, 7.5-60 HP/3450 RPM.  
 8" motor standard, 75 HP/3525 RPM.  
 \* Alternate motor sizes available  
 Performance conforms to ISO 9906 Annex A @ 5 ft. minimum submergence.

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