



**AMERICAN-MARSH PUMPS**

*"DURABILITY BY DESIGN SINCE 1873"*



**480 Series Submersible Turbine Pumps**

# 480 Series Submersible Turbine Pumps

## PERFORMANCE DATA

Discharge Size: 4" through 16+"  
 Capacity: 50 to 3500+ GPM @ "BEP"  
 HP: 2 to 250+ HP  
 Head: Up to 2250 FEET

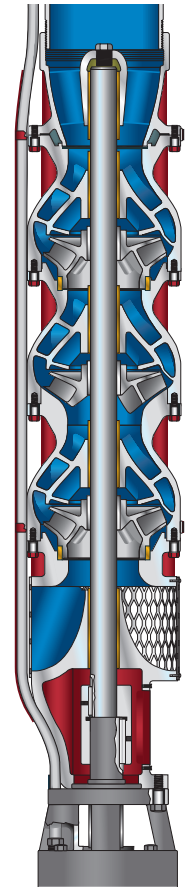
## APPLICATIONS



Commercial  
 Irrigation  
 Industrial  
 Mining  
 Municipal

## FEATURES & BENEFITS

- All flanged bowl construction for ease in service
- Vitreous, enamel porcelain glass lining on all bowls through 18" diameter
- Heavy duty discharge case with dual bearing design
- Ductile iron suction and discharge castings
- Stainless steel upthrust bolts provides superior upthrust protection
- Heavy duty bowl bearings standard
- Contoured suction bracket water passageways increase pump efficiency
- Pump suction channels water above suction bracket bearing preventing abrasives from entering bearing
- 416 stainless steel bowl shaft
- Stainless steel impellers with stainless steel collets
- Stainless steel cable guard
- All stainless steel bowl hardware



## MATERIALS OF CONSTRUCTION

Item	Standard Construction	ASTM Reference	Feature
Suction Bracket	Ductile Iron	A536 65-45-12	6", 8" or 10" motor fit
Suction Bearing	Bronze	B505 C954	Improved shaft stability
Top Bowl	Ductile Iron	A536 65-45-12	Flanged
Intermediate Bowl	Cast Iron	A48 Class 30	Flanged
Bowl Bearing	Bronze Alternate - Nitrile Rubber		Heavy duty with many optional materials available
Impeller	304 Stainless Steel	A743 CF-8	High efficiency design
Taper Lock Collet	Stainless Steel	A276	Secures locking of impeller
Sand Collar	Stainless Steel	A276	Protects bearing
Bowl Shaft	416 Stainless Steel	A582 416	Corrosion resistant
Discharge Bracket	Ductile Iron	A536 65-45-12	4" through 10" sizes
Discharge Bearing	Bronze	B505 C954	Heavy duty
Upthrust Bolt	Stainless Steel	A320 304	Protects the pump
Suction Screen	Stainless Steel	A666	Non-Collapsible
Bolting	Stainless Steel	A320 304	Easy maintenance
Shaft Coupling	Stainless Steel	A276	Keyed to pump by set screws splined to shaft
Cable Guard	Stainless Steel	A666	Corrosion resistant

# Irrigation & Industrial

## DISCHARGE ELBOW

Heavy duty, fabricated & engineered to connect to system piping.

## DISCHARGE PIPE

Threaded or flanged for ease in installation.

## UPTHRUST BOLT

Protects the pump from momentary upthrust at start-up and is set at the factory.

## DISCHARGE BRACKET

Heavy duty casting with threaded NPT connection that supports the oversized discharge bearing.

## BOLTING, FASTENERS & CABLE GUARD

Stainless steel for corrosion resistance.

## INTERMEDIATE BOWL

Heavy duty, class 30 cast iron, and flanged to house impeller and support the intermediate bowl bearings. Bowls 5" through 18" have vitreous enamel porcelain glass lining for increased pump efficiency.

## IMPELLER

Enclosed design to optimize efficiency with a machined taperlock designed to lock the impeller to the bowl shaft. All impellers are single plane balanced to Hydraulic Institute standards.

## PUMP SHAFT

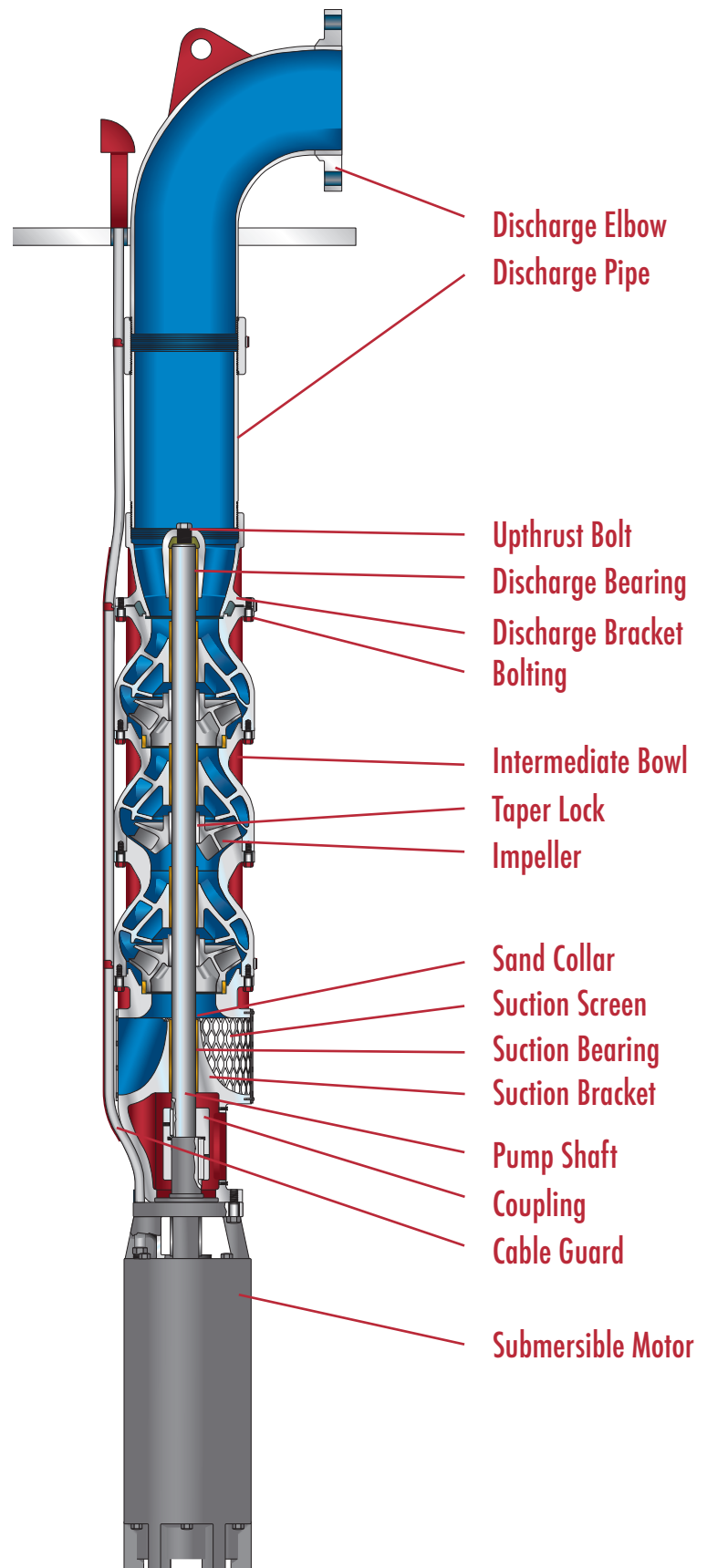
Minimum 100,000 psi tensile strength for maximum strength and corrosion resistance, ground, polished, machined and heat straightened for smooth pump performance.

## SUCTION BRACKET

Heavy duty, ductile iron and flanged to ensure precision motor alignment, contoured for smooth flow entrance and supports the sand collar and suction bearing.

## SUCTION SCREEN

Stainless steel, non collapsible.



# Irrigation & Industrial

## World Headquarters

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## American-Marsh Pumps

185 Progress Road  
Collierville, TN 38017

American-Marsh Pumps, one of the oldest pump lines in America, are pump products steeped in heritage. Since 1873, the American-Marsh line of pumps have withstood the test of time. Over the last 135 years, over 100 varieties of pumps have been designed and built. From steam pumps to centrifugal pumps, American-Marsh pumps have been built to meet the ever changing requirements of society. Over the last century, through continuous product development, more American-Marsh models have been retired than most other pump manufacturers have ever produced. Hundreds of thousands of pumps have been built, all designed with long life in mind, allowing many of them to last over 50 years in service. Today, look to us for the complete offering of American-Marsh Pumps, consisting of 18 product lines to serve your every need. Whether your need is a self-priming diaphragm pump, a stainless steel vertical sump pump, or anything in between, American-Marsh Pumps will provide you with a durable, hi-quality solution. Build a world class quality product, and back it with

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knowledgeable customer service staff just as experienced and proven as our pumps. Take a specialized product, and provide a simple process to obtain the information and delivery you require. Our heritage of quality pumps goes back to 1873 and continues today, emphasizing durability in the design and construction of every pump we make. American Marsh Pumps, an American tradition since 1873. Our entire product family reflects years of customer input, product upgrades, redesign and new product development...all focused on meeting and exceeding our customers expectations. For over 135 years, the American-Marsh Pump designs have proven their durability by withstanding the test of time. Our commitment to customer service and satisfaction will ensure that the American-Marsh Pumps Product line will be around for the next 135 years.



The original American-Marsh facility located in Battle Creek, Michigan, USA (Photo taken around 1950).