EBARA

Ahead Beyond

Model DSC3, DSCA3

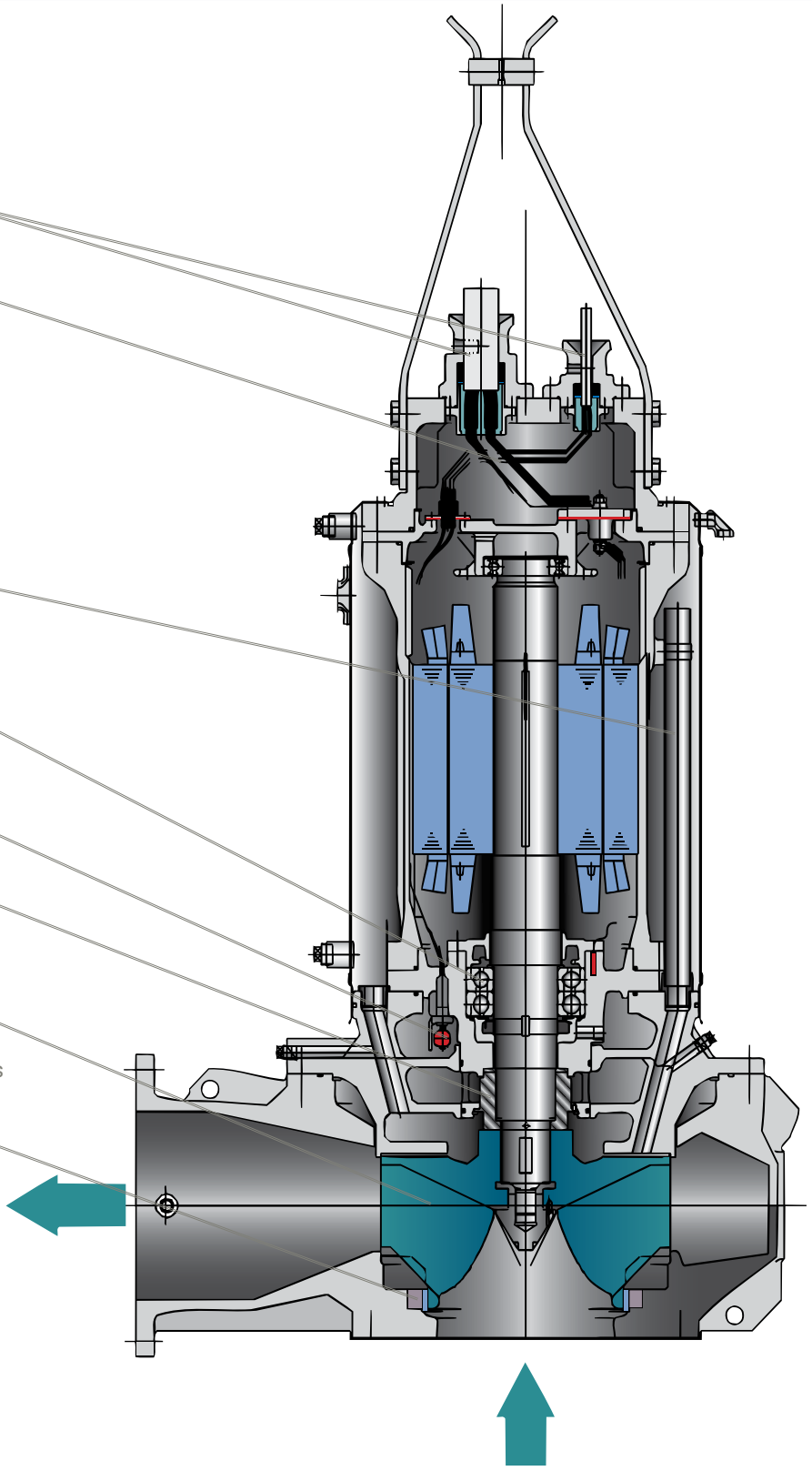
Submersible Wastewater Pump

SUBMERSIBLE PUMPS

Model DSC3, DSCA3

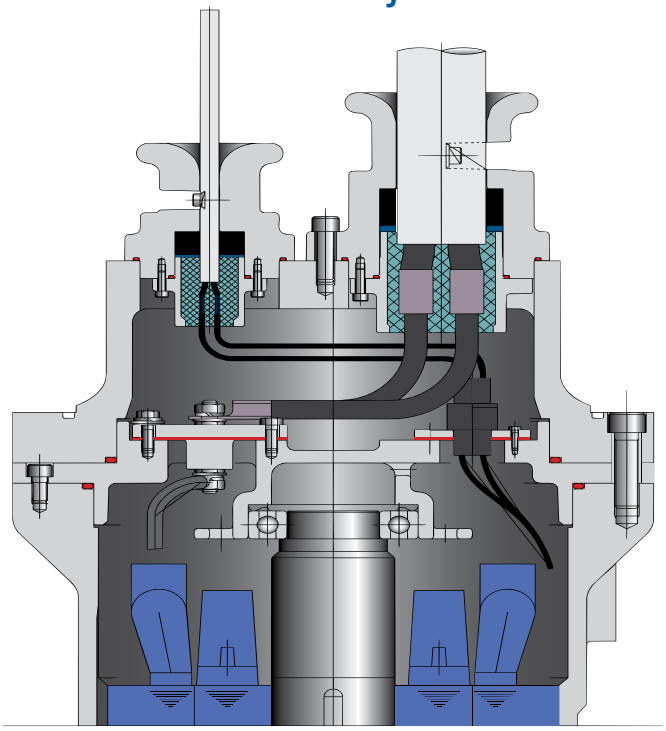
Features:

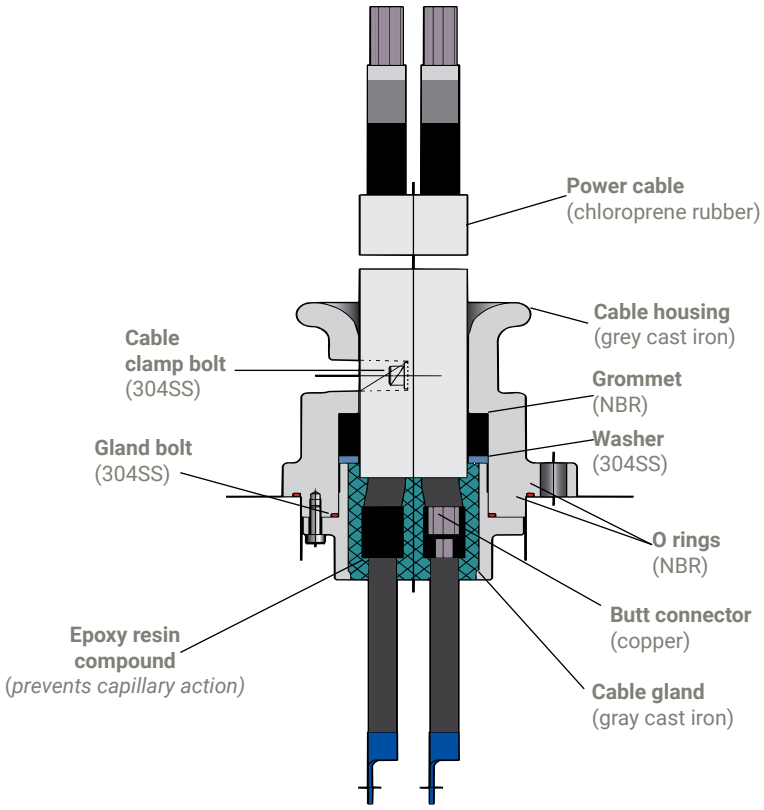
- **Watertight cable entry system** prevents capillary action and protects against moisture; reduces maintenance costs.
- **Junction area** includes a terminal board for cable connections allowing for fast efficient replacement; area sealed from the stator housing; prevents leakage into the motor; reduces the possibility of failure.
- **Heavy duty, high efficiency, air-filled, Class H insulated, rated for 311°F with a 1.10 service factor** dissipates heat easily; thermal protection in each phase of windings protects; operates cooler with higher efficiencies; longer service life with lower operating costs.
- **Self cooling jacket** eliminates the need for external pumping devices or special heat transfer fluids; offers simplicity and high reliability by effectively dissipating heat.
- **Double and triple row lubricated bearings** carry thrust loading with L-10 life of 100,000 hours; ensures long, dependable operation and lowers maintenance costs.
- **Float type leakage detector** provides early warning of mechanical seal failure; avoids costly motor repairs.
- **Cartridge type, duplex mechanical seals** assembled in tandem arrangement; easy maintenance and high reliability
- **High efficiency, closed mixed flow impellers** large diameter solids; lowers operating costs.
- **Replaceable case liner ring** maintains working clearances while reducing casing costs.



Model DSC3, DSCA3

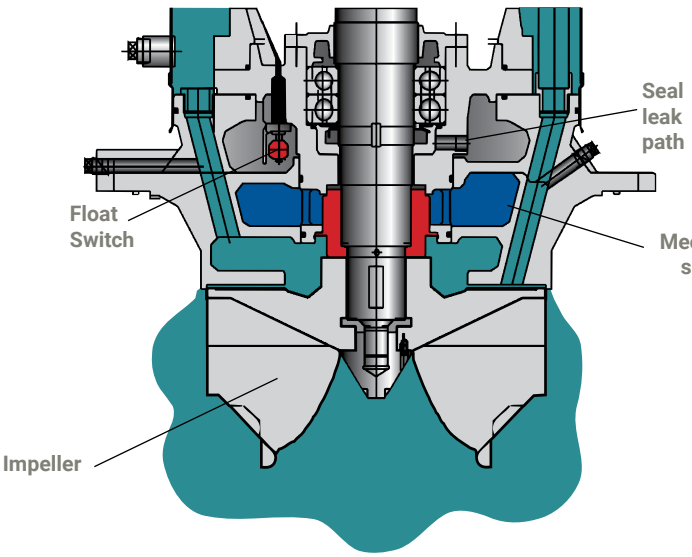
Model DSC3 sealed junction area

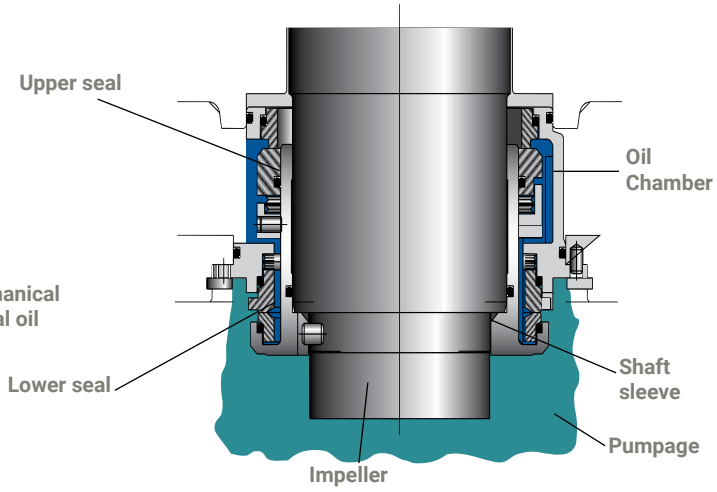




Cable entry detail

Leak detection area





- **Upper seal O rings**- NBR
- **Upper seal faces**- Carbon vs Ceramic
- **Lower seal O rings**- Viton
- **Lower seal faces**- Silicon carbide vs. Silicon carbide
- **Seal springs**- 304SS
- **Shaft Sleeve-304SS**

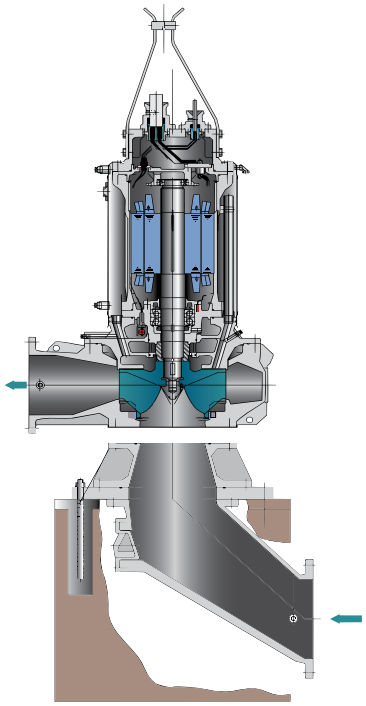
Note: Optional seal face materials available

Double mechanical seal detail

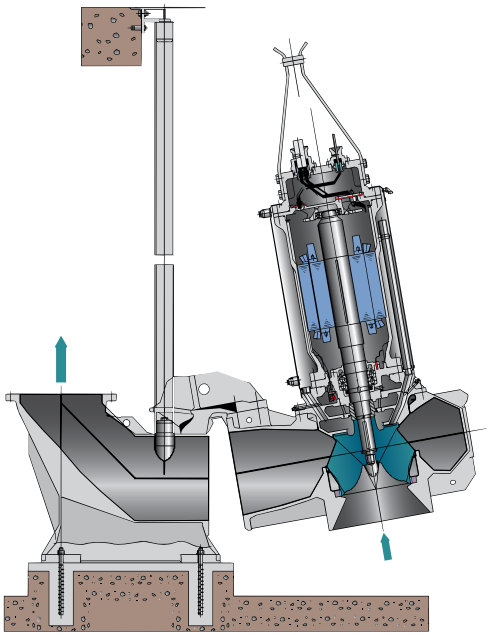
Model DSC3, DSCA3

Specifications:

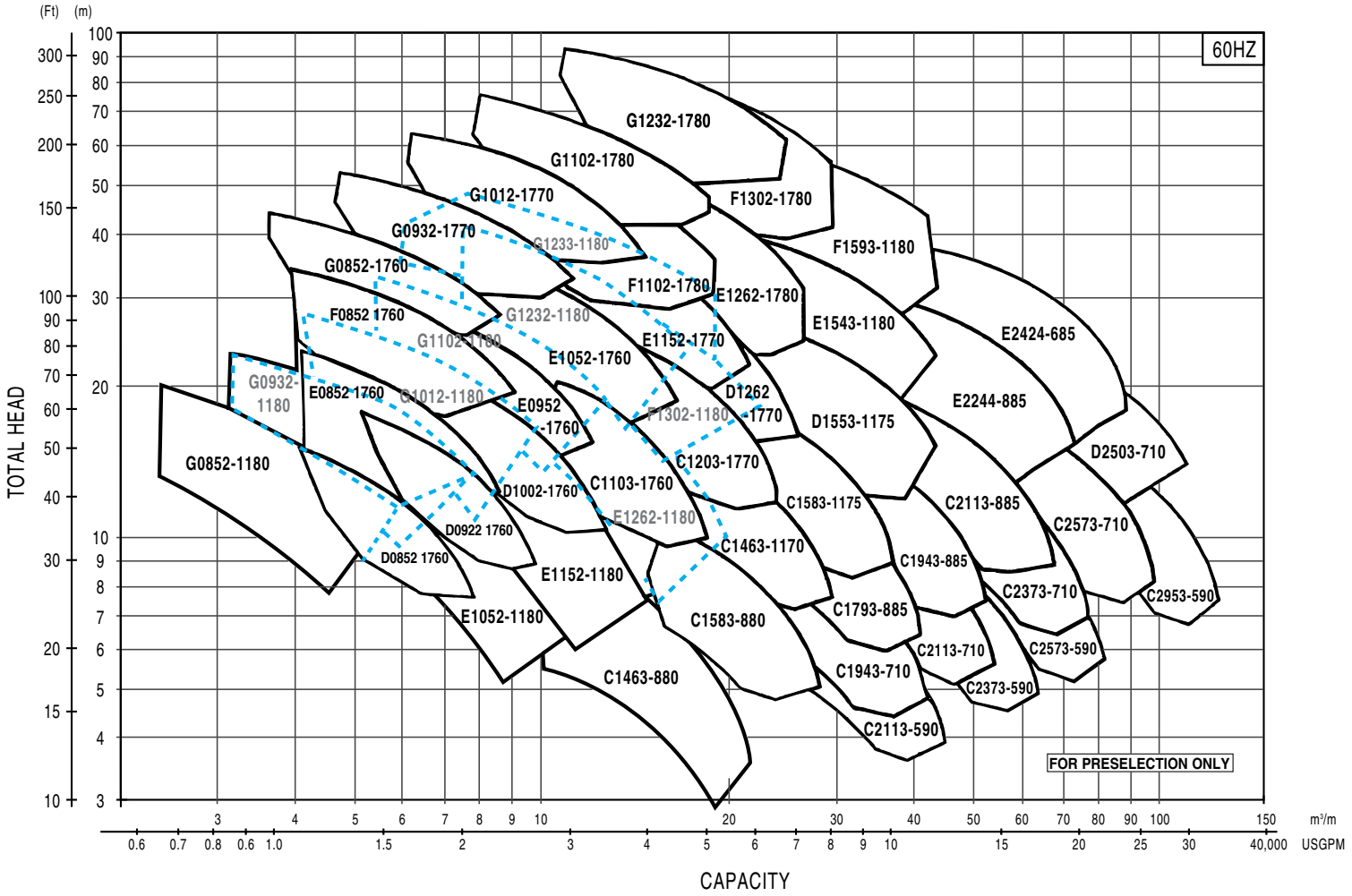
Design	Discharge	6 to 30 inches
	Power	20 to 600 HP
	Capacity	640 to 33,360 GPM
	Total Head	9 to 386 feet
	Max. Liquid temp.	104°F/ 40°C
Speed	1800, 1200, 900, 700, 600 RPM	
Materials	Casing	Cast Iron
	Impeller	Cast Iron
	Casing Ring	420 Stainless Steel (enclosed impeller models)
	Shaft	403 Stainless Steel
	Motor Frame	Cast Iron
	Cooling Jacket	Steel
	Fastener	304 Stainless Steel



Dry Pit Installation



Wet Pit Installation

Model DSC3, DSCA3

SELECTION CHART