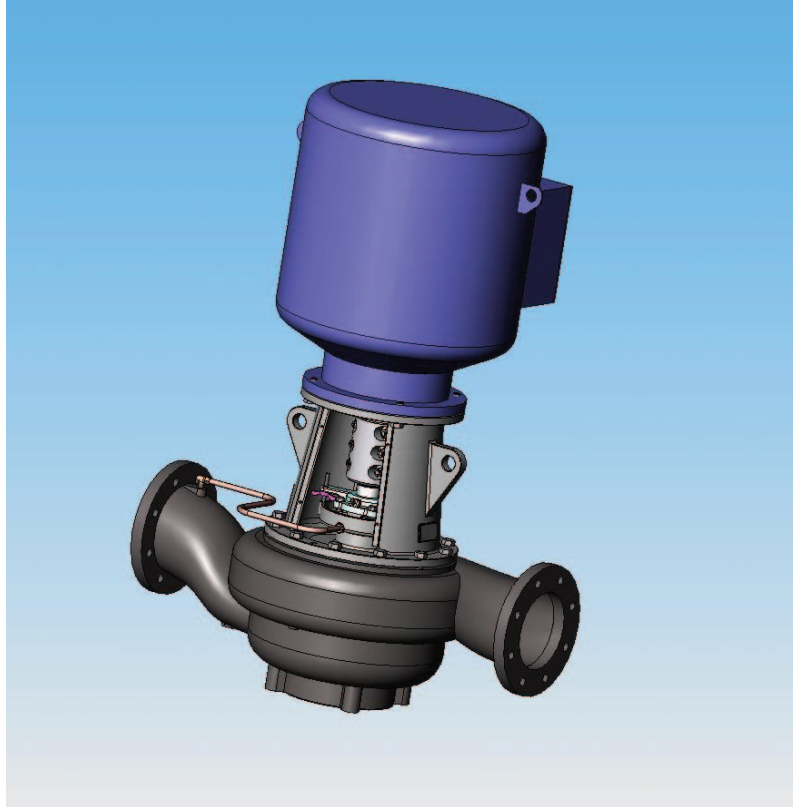


382A-Split Coupled Inline Pump



Aurora 382A-SC, Vertical Inline Split Coupled Pumps are specifically designed for mounting directly in a pipe line. The High Strength Aluminum Split Coupling allows for the mechanical seal to be replaced with out removing the motor. The Patent Pending Integral Jacking Gland eases the changing of the mechanical seal making this repair chore faster and easier for the maintenance specialist. A carbon throttle bushing controls the flow of mechanical seal flushing while providing additional support for the Stainless Steel pump shaft. The Aurora 382A-SC Inline Pump comes in 31 sizes, offering a size and model precisely fitted for a wide range of head and capacity requirements.

Feature Selector

STANDARD

- Bronze Fitted Construction
- Stainless Steel Shaft
- High Strength Aluminum Coupling
- Dynamically Balanced Cast Impeller
- Casing Wear Rings
- 303 Stn Stl Mechanical Seal with Buna-N, Ni-Resist and Carbon Parts
- Factory Hydro Test

OPTIONAL

- All Iron Construction
- Impeller Wear Rings
- Pump Base
- High Temperature Mechanical Seal
- Certified Performance Testing over the full operating range of the pump.

Engineering Specifications

The contractor shall furnish (and install as shown on the plans) Aurora Model 382A-SC vertical split coupled inline back pull-out centrifugal pumps sizex.....x..... of (bronze fitted) (all iron) construction.

The suction and discharge flanges shall be located on a common CL 180° apart for mounting in-line. Each pump shall have a capacity ofGPM atFt. total head, with a temperature of°F,specific gravity.

Each pump is to be furnished with a mechanical seal with all metal parts to be 303 stainless steel with Buna-N elastomers, Ni-Resist seat and carbon washer. A bypass line must be provided between the seal faces and the discharge flange to assure adequate venting of the seal chamber and to provide lubrication. Impellers are to be dynamically balanced and keylocked to the shaft. Model 382A-SC pumps to include a volute type casing suction branch to minimize pumping noise.

The unit must be equipped with a stainless steel shaft and utilize a high strength Aluminum Split Coupling. The stuffing box must utilize a integral jacking seal gland that supports the shaft and impeller weight during repair procedures. Pump casing shall have a case wearing ring (impeller wearing rings). Each pump is to be close coupled to a standard NEMA-HPHPPhaseHertzVolt RPM(Drip Proof)(Totally Enclosed)(Explosion Proof) motor.

Materials of Construction and Limitations

PUMP PART	BRONZE FITTED
Casing	Cast Iron ASTM A48
Impeller	Bronze ASTM B584
Shaft	Stainless Steel ASTM A582 Type 416
Coupling	Aluminum ASTM B2011
Bushing	Carbon Graphite Matrix
Case Wearing Rings	Bronze ASTM B584
Bracket	Cast Iron ASTM A48
Mechanical Seal (STD)	
Washer	Carbon
Seat	Ni-Resist
Elastomer	Buna-N
Metal Parts	303 SS
Spring	303 SS

MAXIMUM LIMITATION BASED ON STANDARD MATERIALS AND PUMPING CLEAR WATER	
Speed	3500 RPM
Horsepower	1150 RPM 60
	1750 RPM 250
	3500 RPM 60
Temperature °F	Standard 225/Optional 250
Hydrostatic Test Pressure PSI	265
Case Working Pressure PSI (All or Any Part Can Be Suction Free)	175

MARKETING & SALES:

800 AIRPORT ROAD • NORTH AURORA, ILLINOIS U.S.A. • 60542
 PHONE: (630) 859-7000 U.S.A./CANADA FAX: (630) 859-7060
 WORLDWIDE FAX: (630) 859-1226

AURORA MFG. PLANT:

800 AIRPORT ROAD • NORTH AURORA, ILLINOIS U.S.A. • 60542
 SALES OFFICES IN ALL MAJOR CITIES AND COUNTRIES
 Refer to "Pumps" in yellow pages of your phone directory
 for your local Distributor

