

## 121-138 Series In-Line Circulators

### 121-138 In-Line Cartridge Design Pump Series:

#### Applications

Designed to efficiently circulate heated or chilled water in large residential and commercial Hydronic Systems. Ideal for primary-secondary systems, as well as parallel pumping designs. Available in bronze construction for fresh water service.

#### Features

Proven Performance: In-Line Cartridge Design Pumps are backed by years of Taco experience in design and manufacture of circulators. Hundreds of thousands are in service.

#### Dependable, Quiet Operation:

In-Line Cartridge Design Pumps offer quiet dependable pumping power and long lasting performance. Ideal for heating and/or air conditioning systems requiring high head performance, pressure boosting, and recirculation systems with relatively low volume.

#### Unique Cartridge Design:

Replaceable "cooler running" bearing cartridge extends bearing life. With permanently sealed grease lubricated ball bearings it is virtually maintenance free.



#### Built to Last

##### Cartridge Bearing Assembly

Cartridge design isolates the bearings from the effects of system fluid temperatures which greatly extends bearing life.

- Alloy steel shaft
- Cupro-Nickel shaft sleeve

##### Mechanical Seal

- Two piece carbon/ceramic seal is standard
- Sealide-C/viton available for high temperature and aggressive water applications

##### Body & Flanges

- Available in cast iron or bronze
- In-Line configuration
- Companion flanges provided in 2-1/2" or 3"

##### Impeller

- Dynamically and hydraulically balanced
- Enclosed type – cast iron or bronze

##### Drive Coupling

- Rugged flexible rubber construction absorbs angular and parallel misalignmen

##### Rugged Motor

- Available in single and three phase, and all standard voltages ...open-drip proof enclosure
- Equipped with sleeve bearings for quiet operation
- Resilient mounted
- Built-in overload protector on single phase models

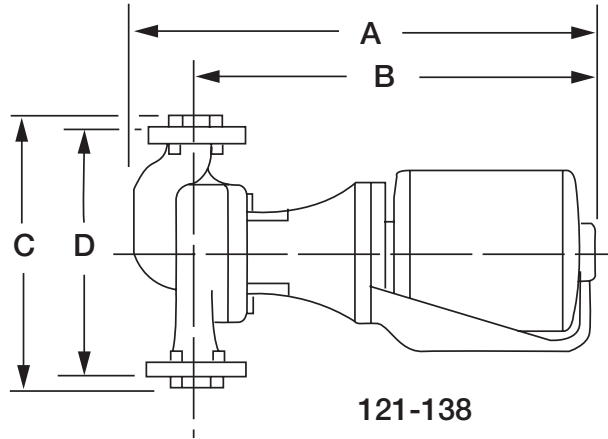
##### Factory Tested

- Every pump is built to Hydraulic Institute standards and operated before shipment

##### Easy Low-Cost Service

- No special tools required
- One cartridge bearing assembly fits all models – replace cartridge only . . . not bracket
- One mechanical seal fits all models

# Submittal Data Information 121-138 Series Circulators



## Specifications (121-138 Series)

MODEL NUMBER <sup>(1)</sup>	FLANGE SIZE	MOTOR <sup>(2)</sup>		DIMENSIONS								SHIPPING WEIGHT	
				A		B		C		D			
				IN.	MM	IN.	MM	IN.	MM	IN.	MM		
121	2½"	¼ HP, 115 V	1725	18⅞	460.4	15⅞	403.2	14¼	362.0	11⅞	282.6	72	32.7
122	3"	¼ HP, 115 V	1725	18⅞	460.4	15⅞	403.2	13⅝	346.1	11⅞	282.6	72	32.7
131	3"	⅓ HP, 115 V	1725	19¼	489.0	15¾	400.1	16	406.4	13⅝	346.1	95	43.1
132	3"	½ HP, 115/230 V or 230/460/60/3 or 200/60/3	1725	21½	546.1	18	457.2	16	406.4	13⅝	346.1	108	49.0
133	3"	¾ HP, 115/230 V or 230/460/60/3 or 200/60/3	1725	22⅞	562.0	18⅝	473.1	16	406.4	13⅝	346.1	113	51.3
138	3"	1 HP, 115/230 V or 230/460/60/3 or 200/60/3	1725	22⅝	574.0	19⅞	485.8	16	406.4	13⅝	346.1	118	53.5

- (1) When specifying all bronze construction, add letter "B" after model number (i.e. 132B).  
When specifying bronze fitted construction, add letter "C" after model number (i.e. 132C)
- (2) Motors are available with other electrical characteristics – consult your Taco representative.

