



Premium Manufacturer of Sanitary Fittings, Valves, Pumps, & More

## TOP-FLO® TF-C SERIES CENTRIFUGAL PUMPS

TOP-FLO® pumps have been designed to offer an efficient transfer of product over a wide range of head and viscosity conditions. This centrifugal pump is ideal for use in small and medium-size process applications in the dairy, food, beverage, pharmaceutical, and other sanitary process industries. TOP-FLO pumps are easy to install, clean, and operate. Suitable for use in CIP (clean-in-place) installations, this feature enables easy self-cleaning with no dismantling or take-down. Sanitizing of all product contact areas is automatic.

All pumps are available in standard inlet sizes and outlet sizes. In addition, enlarged inlet sizes are available for special applications.

### MECHANICAL SPECIFICATIONS

Capacity: 10gpm to 600gpm

Pressure: 135 PSIG

Viscosity: 200cp

Temperature: 212°F

#### Pump Casings

- Volute type - standard
- Inlet-oversizing as noted in chart

#### Pump Connections

- Sanitary: Clamp, Bevel Seat (ACME)
- Industrial: Threaded, Flanged

#### Pump Construction Materials

- All wetted parts - 316L SS
- Seals - carbon (other seals available)
- Casing gasket - Buna (standard)
- FKM, EPDM, and PTFE are available

#### Pump Finishes

- Polished or electropolished
- 32Ra standard

#### Pump Seals

- Available in D, DG, E, and F styles

#### Motor, Electrical

- 3 Phase - 230/460 volts - 1750 & 3500 rpm
- Single Phase - 115/230 volts - 1750 & 3500 rpm
- Other voltage available upon request

#### Motor Housings

- TEFC (totally enclosed fan cooled)
- Washdown duty
- Other styles available on request



TF-C100



TF-C114



TF-C216



TF-C218



TF-C328



MODEL	TF-C100	TF-C114	TF-C216	TF-C218	TF-C328	TF-C428
Inlet	1-1/2	1-1/2 or 2	2 or 2-1/2	2 or 3	3	4
Outlet	1	1-1/2	1-1/2	1-1/2	2	2
Max Imp.	3.68	4	6	8	8	8

Simplifying Sanitary Through Superior Service™

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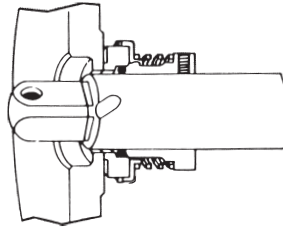
sales@sob.us



## SEAL SPECIFICATIONS

### TYPE D

External balanced seal



This versatile seal has numerous applications but yet is extremely durable. Dairy products, soft vegetables, beverages, and even acid cleaning solutions and detergents are among the recommended uses.

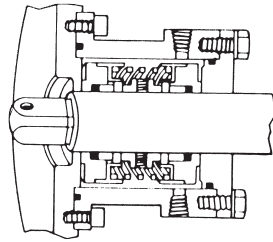
### TYPE DG

External balanced seal with clamped-in seat

The DG seal uses the standard type D rotating seal components with a reversible silicon carbide, tungsten carbide or ceramic seat. Typical applications include liquid sugar, beverage syrup, chocolate, and abrasive products.

### TYPE E

Water cooled balanced double seal



Type E is designed to withstand heavy duty vacuum applications (to 28" Hg), tacky products, slurries, or pumped products up to 212°F. The seal chamber can be pressurized to permit use of drain piping for coolants and sealants. Coolant or sealant can be circulated through the seal chamber under very low pressure when used to cool the seal face or seal against vacuum.

### TYPE F

Seal same as type D seal except includes a water cascade (*not shown*).

### TYPE IS

Internal seal for C114

## DETERMINE THE MODEL NUMBER OF YOUR PUMP IN 4 EASY STEPS

1 ——— 2 ——— 3 ——— 4  
TF-C                  216                  M                  D

### STEP 1 PUMP SERIES

TF-C Close Coupled

### STEP 2 PUMP MODEL

TF-C100, TF-C114, TF-C216, TF-C218, TF-C328, TF-C428

#### Note:

- TF-C Series furnished without legs unless otherwise specified on order.
- Casing Gaskets: BUNA (Standard). If other type is required, specify on order.
- Enlarged inlet: When ordering pump with enlarged inlet state inlet size, i.e., TF-C218MD with 3" inlet.

### STEP 3 PORT CONNECTIONS

- M** Clamp (Standard)
- T** Acme Bevel Seat Thread
- S** NPT Female Thread
- F** Flanged
- W** Weld

### STEP 4 SEAL TYPE/STANDARD MATERIAL

- D** External balanced sanitary seal
- DG** External balanced sanitary seal with clamped insert
- E** Water cooled balanced double seal
- F** External balanced seal with cascading water

**Note:** Motor data is not included as part of 4-step ordering number. Provide the following information:

- Horsepower and RPM
- Electrical phase and voltage
- TEFC is standard

If motor is furnished from another source, supply the following:

- Horsepower and RPM
- NEMA frame size

Remember to include necessary accessories:

- Seal Kits and Parts
- Gaskets
- Clamps
- Hangers
- Air Relief Valves
- Check Valve
- Butterfly Valves
- Ball Valves
- Fittings

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