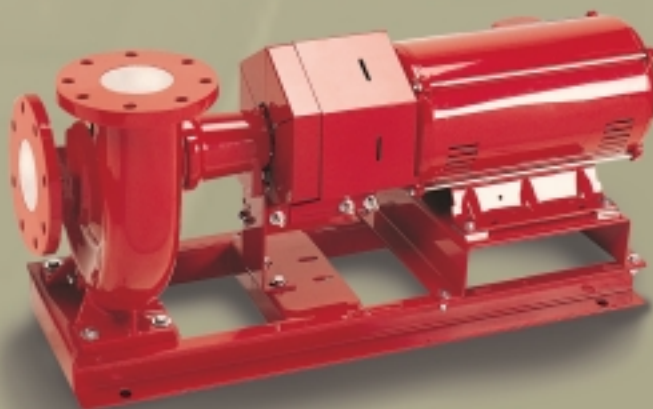
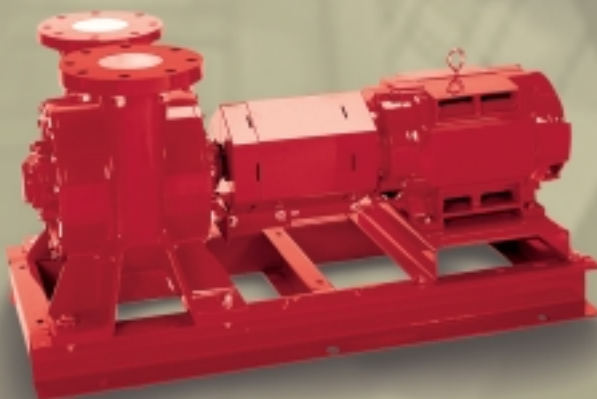




# Bell & Gossett Centrifugal Pumps



Bell & Gossett



**ITT Industries**  
*Engineered for life*

## Bell & Gossett Centrifugal Pumps

Bell & Gossett's complete line of in-line and base-mounted centrifugal pumps can handle virtually any HVAC requirement. The pumps are engineered for exceptional performance and rugged durability. They are designed for easy maintenance and to be highly efficient. The pumps provide reliable operation in a variety of applications, including hydronic heating and cooling systems, industrial, refrigeration and cooling towers. All B&G pumps are manufactured at an ISO 9001 approved facility.

The Bell & Gossett name has always stood for uncompromising quality and dependability. That's evident in the way every one of our centrifugal pumps is built and backed by our outstanding customer service and support teams. Our award-winning ESP-PLUS™ equipment selection program helps you choose the right equipment and design fluid handling systems accurately and effectively. ESP-PLUS is also available online at [www.bellgossett.com](http://www.bellgossett.com).



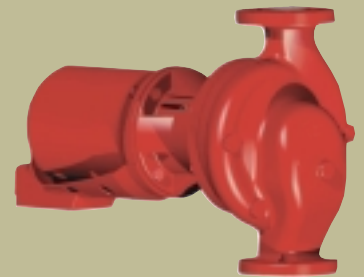
### Series 60®

Maintenance-free in-line pump available in sizes from 1" to 2". Motor sizes from 1/4 to 3 HP at 1750 RPM. Available in bronze-fitted and all-bronze construction. Flows to 200 GPM and heads to 55 feet.

The Series 60 is a maintenance-free pump and motor design. This design provides a worry-free, install and forget operation. The design incorporates the patented XL-11® precision-crafted bearing system.

Advanced fluid passage design and a permanently lubricated motor provide effective and quiet operation. The hydraulically balanced impeller and resilient motor also help provide smooth, quiet operation.

APPLICATIONS:  
HYDRONIC HEATING AND COOLING SYSTEMS, DOMESTIC WATER, INDUSTRIAL AND GENERAL SERVICE.



### Series 80®

Close-coupled in-line mounted pump available in 1-1/2" through 8" sizes. 1/4 to 50 HP at 1750 RPM and 5 to 60 HP at 3500 RPM. Available in bronze-fitted and all-iron construction. Flows to 2500 GPM, heads to 380 feet.

The Series 80 is an efficient, heavy-duty, close-coupled pump designed for horizontal and vertical in-line mounting.

Internally flushed BUNA/Carbon ceramic seals are standard. The internal flushed seal provides five times the flushing flow of pumps designed with externally flushed seals. The Series 80 pump is available in 175# and 250# working pressure design.

APPLICATIONS:  
HYDRONIC HEATING AND COOLING SYSTEMS, GENERAL SERVICE AND INDUSTRIAL.



### Series 90

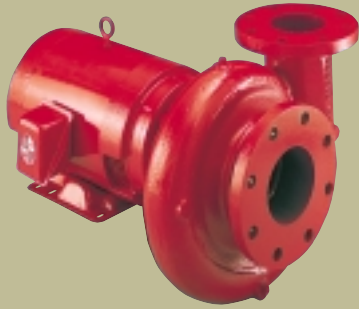
Close-coupled in-line mounted pump available in 1" through 2" sizes. 1/4 HP through 2 HP at 1750 RPM and 1/2 through 15 HP at 3500 RPM. Available in bronze-fitted construction with flows to 200 GPM, heads to 225 feet.

The Series 90 is an excellent all-purpose pump designed for vertical and horizontal in-line mounting. Close-coupled design; grease-lubricated motor.

Bell & Gossett's internally flushed BUNA/Carbon ceramic seal makes the Series 90 a truly worry-free pump.

APPLICATIONS:  
HYDRONIC HEATING AND COOLING SYSTEMS, GENERAL SERVICE, REFRIGERATION AND COOLING TOWERS.





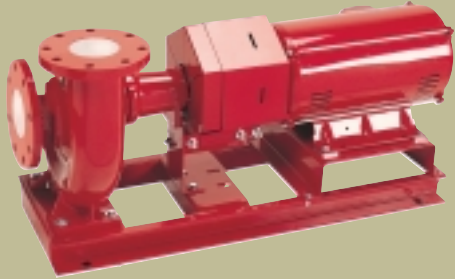
## Series 1531

End suction, close-coupled, foot-mounted pump available in 1-1/4" through 6" sizes. Motor size 3/4 to 50 HP at 1750 RPM, 2 to 60 HP at 3500 RPM. Available in bronze-fitted, all-iron and all-bronze construction with flows to 2300 GPM, heads to 400 feet.

Close-coupled, space-saving economy plus rugged construction make the Series 1531 an ideal selection for a variety of horizontal

and vertical mount applications. Available with the B&G standard self-flushing Carbon/Ceramic mechanical seal in 175# working pressure design.

APPLICATIONS:  
HYDRONIC HEATING AND COOLING SYSTEMS, GENERAL SERVICE, COOLING TOWERS AND INDUSTRIAL USES.



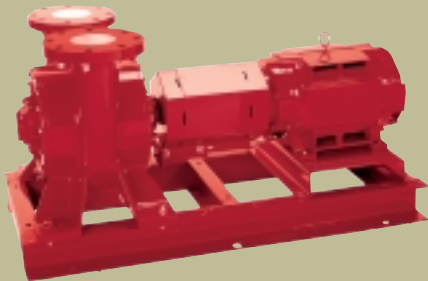
## Series 1510

Base-mounted, end-suction Series 1510 pumps are available in 1-1/4" through 8" sizes, 1/2 HP to 150 HP at 1750 RPM and 2 HP through 150 HP at 3500 RPM. Bronze-fitted, all-iron and bronze material configurations are available with flows to 4000 GPM, heads to 500 feet.

Integrally cast volute foot and center drop-out spacer coupling combine to offer true back

pullout capability, providing low-cost ease of maintenance. An ANSI-OSHA-compliant coupling guard shields the flexible coupler. A welded steel baseplate and internally flushed mechanical seal are standard features on this pump.

APPLICATIONS:  
HYDRONIC HEATING AND COOLING SYSTEMS, GENERAL SERVICE AND INDUSTRIAL.



## Series VSC

The Series VSC is a double suction pump that has a vertically split casing perpendicular to the pump shaft. The suction and discharge flanges have been rotated 90 degrees to face up, resulting in an extremely compact, space-saving design split case pump. The vertical flanges allow the series to provide up to 9000 lbs. in static flange loading capability. The VSC series is available in sizes from 4 x 4 up to 10 x 10, covering flows

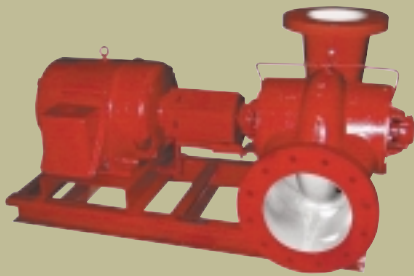
to 4000 GPM. The VSC is available in bronze-fitted construction with working pressures up to 300 psig. The bearings and mechanical seals can be replaced without removal of the rotating assembly, reducing the down time required for servicing of the pump. An ANSI-OSHA-compliant coupling guard shields the flexible coupler. A welded steel baseplate and internally flushed mechanical seals are standard features on this pump.

## Series VSCS®

The Series VSCS is a double suction pump that has a vertically split casing shaft similar to the VSC. In this case, however, the suction inlet is horizontal, while the discharge remains vertical. This configuration is ideal for side-suction piping arrangements and maintains a small footprint with the discharge in the vertical configuration. Discharge connections range from 4" through 12". The VSCS has capacities over 9000 GPM with heads to 400 feet and motor requirements up to 600 HP. Available in bronze-fitted construction. Working pressures up to 300 psig.

The bearings and mechanical seals can be replaced without removal of the rotating assembly, reducing the down time required for servicing of the pump. An ANSI-OSHA-compliant coupling guard shields the flexible coupler. A welded steel baseplate and internally flushed mechanical seals are standard features on this pump.

APPLICATIONS:  
HYDRONIC HEATING AND COOLING SYSTEMS, CONDENSER WATER, COOLING TOWERS, REFRIGERATION AND GENERAL SERVICE.



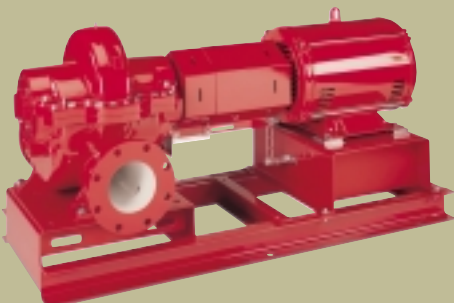
## Series HSC<sup>3</sup>

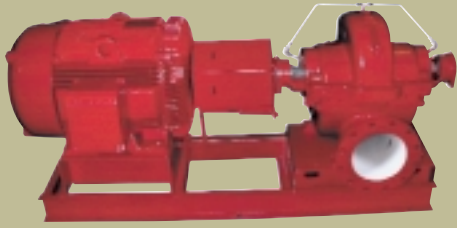
Double-suction, base-mounted Series HSC<sup>3</sup> pumps are available in 2" through 10" sizes. Motor sizes through 300 HP. Flows to 6500 GPM and heads to 400 feet. Bronze-fitted construction with a maximum working pressure of 175 psig.

The HSC<sup>3</sup> features internally self-flushing mechanical seals for maximum lubrication, debris removal and heat dissipation. The internally flushed seals allow for a shorter shaft for reduced deflection for longer seal

life. Closed-end steel baseplate with full seam welds for strength and an open top for easy grouting. The pump bearings and mechanical seals can be serviced without disturbing the upper casing half, piping connections or electrical motor connections. An ANSI-OSHA-compliant coupling guard shields the flexible coupler.

APPLICATIONS:  
HYDRONIC HEATING AND COOLING SYSTEMS, GENERAL SERVICE AND INDUSTRIAL.





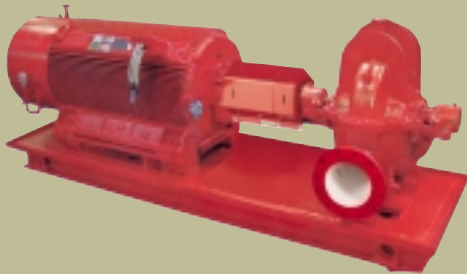
## Series HSC-S

Double-suction, base-mounted Series HSC-S pumps are available in 2" through 10" sizes. Motor sizes through 300 HP. Flows to 6500 GPM and heads to 600 feet. Bronze-fitted construction with working pressures available up to 400 psig with 250# ANSI flanges.

This pump features externally flushed mechanical seals. Closed-end steel baseplate with full seam welds for strength and an open top for easy grouting. The HSC-S offers horizontal mounting (Model 150) or vertical mounting (Model 300).

The pump bearings and mechanical seals can be serviced without disturbing the piping connections or electrical motor connections. An ANSI-OSHA-compliant coupling guard shields the flexible coupler.

APPLICATIONS:  
HYDRONIC HEATING AND COOLING SYSTEMS, GENERAL SERVICE AND INDUSTRIAL.



## Series HSCS

Double-suction, base-mounted Series HSCS pumps are available in 6" through 24" sizes. Motor sizes through 4000 HP. Flows to 40,000 GPM and heads to 600 feet. A channel baseplate and externally flushed mechanical seals are standard features on this series.

APPLICATIONS:  
HYDRONIC HEATING AND COOLING SYSTEMS, GENERAL SERVICE AND INDUSTRIAL.



## Suction Diffusers

An angle-pattern flow-straightening fitting that combines a diffuser-strainer orifice cylinder and full-length straightening vanes to provide ideal flow conditions for the pump suction. Sizes from 1-1/2" to 10" in NPT, flanged and grooved connections. Maximum pressure is 175 psig. Cast iron body, steel straightening vanes and orifice cylinder are standard. SS straightening

vanes and orifice cylinder are optional. A bronze start-up strainer is standard. All internal components are replaceable.

APPLICATIONS:  
HYDRONIC HEATING & COOLING SYSTEMS, GENERAL SERVICE AND INDUSTRIAL



## Triple-Duty Valves

A combination shut-off, center-guided non-slam check valve and calibrated balance valve in one device. The combination of three valves in one minimizes cost and reduces installation time. Available in angle or straight pattern in 1" through 14" sizes; in flanged, grooved and NPT connections. The triple-duty valve has a cast iron body, brass seat, cast bronze disc and SS stem. A calibrated nameplate and memory button allow return of the valve to the

balanced position after shut-off. The backseating valve stem allows repacking under full-line pressure.

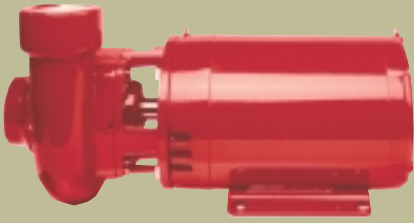
APPLICATIONS:  
HYDRONIC HEATING & COOLING SYSTEMS, GENERAL SERVICE AND INDUSTRIAL



## Sediment Removal Separator

A "full flow" separator for removal of undissolved sediment. Sizes from 3" to 12" are available. Flow rates to 4800 GPM at 125 psi and 350°F. ASME coded. Available in flanged or grooved connection, NPT connection available for 3" SRS. Higher pressure and temperature ratings are available upon request. Consult factory for sizes larger than 12".

APPLICATIONS:  
COOLING TOWER SYSTEMS, PROCESSES, AND HYDRONIC HEATING AND COOLING SYSTEMS.



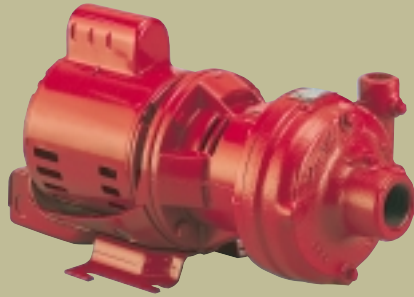
## Series CT

Close-coupled, single-stage end suction pump. In 2", 2-1/2" and 3" sizes. Motor sizes range from 3/4 to 5 HP in 3500 RPM and 1/2 through 1 HP in 1750 RPM. Flows to 410 GPM and heads to 56 feet.

The Series CT features the same size suction and discharge connection sizes. Low NPSH design down to 3' provides trouble-free performance for condenser water applications. Heavy bronze-fitted or

all-iron construction with a maximum working pressure of 175 psig. Cast iron wear ring is standard. Oversized motor bearings for long life. Maximum temperature is 212°F with standard BUNA seal elastomers, 250°F with optional EPR seal elastomers.

APPLICATIONS:  
CONDENSER WATER, COOLING TOWERS,  
REFRIGERATION AND GENERAL SERVICE.



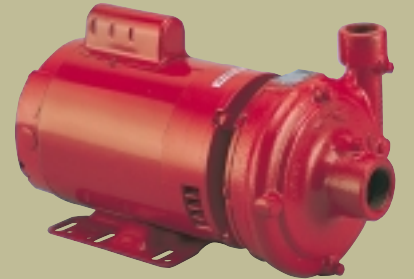
## Series 1522

Foot-mounted, close-coupled design in 3/4" through 1-1/2" sizes. 1/4 to 1 HP at 1750 RPM. Available in bronze-fitted, all-bronze and all-iron construction with flows to 115 GPM at 30 feet.

The Series 1522 is a rugged yet quiet pump due to the bronze sleeve bearing provided as standard on the pump and motor.

The flexible spring coupler design between the pump and motor dampens any additional noise and vibration.

APPLICATIONS:  
HYDRONIC HEATING AND COOLING  
SYSTEMS, GENERAL SERVICE  
AND INDUSTRIAL.



## Series 1535

Foot-mounted, end-suction, close-coupled pump available in 1" through 1-1/2" sizes. Motor sizes 1/3 to 5 HP at 3500 RPM. Available in bronze-fitted construction with flows to 240 GPM at 115 feet.

This back-pullout pump offers ease of service in a close-coupled design. The pump can be mounted vertically or

horizontally to provide maximum flexibility. Ball bearing design and standard internally flushed mechanical seal provide long, dependable service.

APPLICATIONS:  
COOLING TOWERS, REFRIGERATION,  
GENERAL SERVICE AND INDUSTRIAL.



## Series 1536

A close-coupled, single-stage end-suction pump. Available in 1" and 1-1/4" sizes. Motor sizes range from 1/3 through 2 HP at 3500 RPM. Standard construction is bronze-fitted optional in all-iron or all-bronze construction. Flows to 110 GPM and heads to 115 feet.

The Series 1536 is a rugged industrial pump with heavy cast iron volute and bracket. The volute is standard with tapings for

venting, priming or draining. The volute can be rotated to eight different positions for custom installations. Maximum temperature is 212°F with BUNA seal elastomers, 250°F with EPR seal elastomers. Maximum working pressure is 125 psig.

APPLICATIONS:  
WATER CIRCULATION, BOOSTER  
SERVICE, LIQUID TRANSFER AND  
GENERAL PURPOSE PUMPING.



## Series 3530

The new standard in close-coupled general service pumps. The all new stainless steel Series 3530 pump is available in 1", 1-1/4" and 1-1/2" sizes. 1/2 HP through 5 HP at 3500 RPM. Flows to 170 GPM and heads to 155 feet.

The Series 3530 is an excellent all-purpose pump. Close-coupled 316L stainless steel wet end, diffuser design for increased bearing and mechanical seal life, permanently

greased, jet pump motor and Bell & Gossett's internally flushed Viton/carbon-silicon carbide seal provide an optimum worry-free pump design to 225°F. Optional EPR/carbon-silicon carbide is rated to 250°F. Maximum pressure is 125 psig.

APPLICATIONS:  
HYDRONIC HEATING AND COOLING  
SYSTEMS, GENERAL SERVICE,  
REFRIGERATION AND COOLING TOWERS.



## Submersibles

Bell & Gossett offers submersible pumps for residential to commercial to light industrial applications.

The Series SU pumps are designed for residential applications in 1/3 or 3/4 HP and in 1-1/2" NPT discharge size with flows to 58 GPM and heads to 35 feet. Corrosion-resistant construction with SS motor casing and glass-filled thermoplastic impeller.

The Series SE pumps are designed for commercial applications with motor size ranging from 1/3 to 1-1/2 HP. The discharge is 2" NPT. Capacities to 128 GPM and heads to 123 feet. Handles solids to 3/4". Cast iron impeller and casing. The Series SW pumps are designed for commercial to light industrial applications. Motors range from 1/3 to 7-1/2 HP. The discharge connection sizes are 2" NPT, 3" NPT and 4" flange. Flows to 620 GPM and heads to 61 feet. Cast iron impellers and casings.

## Series VTP

Multi-stage Vertical Turbine Pumps with bronze impellers and cast iron bowls. The lineshaft turbine pumps have above-ground discharge with water-lubricated lineshaft bearings. The column pipe coupling has bronze centering spiders with fluted-rubber lineshaft bearings. The bowls are vitra-glass coated in the waterways for improved efficiencies. Capacities up to 8000 GPM with heads to 150 feet per stage.

APPLICATIONS:  
COOLING TOWERS, PRESSURE BOOSTING  
AND GENERAL WATER SERVICE.



## Use Our Software to Choose Your Hardware

### Equipment Selection Program

Our ESP-PLUS™ software program helps you choose the right equipment by giving you expert system and product application assistance, plus automatic calculations of payback and annual operating costs, equipment schedules, submittals, specifications and more. ESP-PLUS is also available online.

## Little Red Schoolhouse®

Bell & Gossett is known throughout the HVAC business as the industry's educator. Our Little Red Schoolhouse, a completely equipped learning center, has trained more than 45,000 engineers, contractors and installers in the proper design, installation and maintenance of HVAC systems.



## Pump Us for Information

Bell & Gossett's comprehensive Web site makes it easier for you to find, specify and understand centrifugal pumps, fluid handling systems, parts, specifications and applications.



For more information on Bell & Gossett centrifugal pumps, contact your B&G representative.

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## Bell & Gossett



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