

# End Suction Pump System

SERIES e-1510 CENTRIFUGAL PUMPS

TRIPLE DUTY® VALVES - SUCTION DIFFUSER PLUS



B-205G



**Bell & Gossett**

a xylem brand

# The B&G End Suction Pump System

Consisting of:

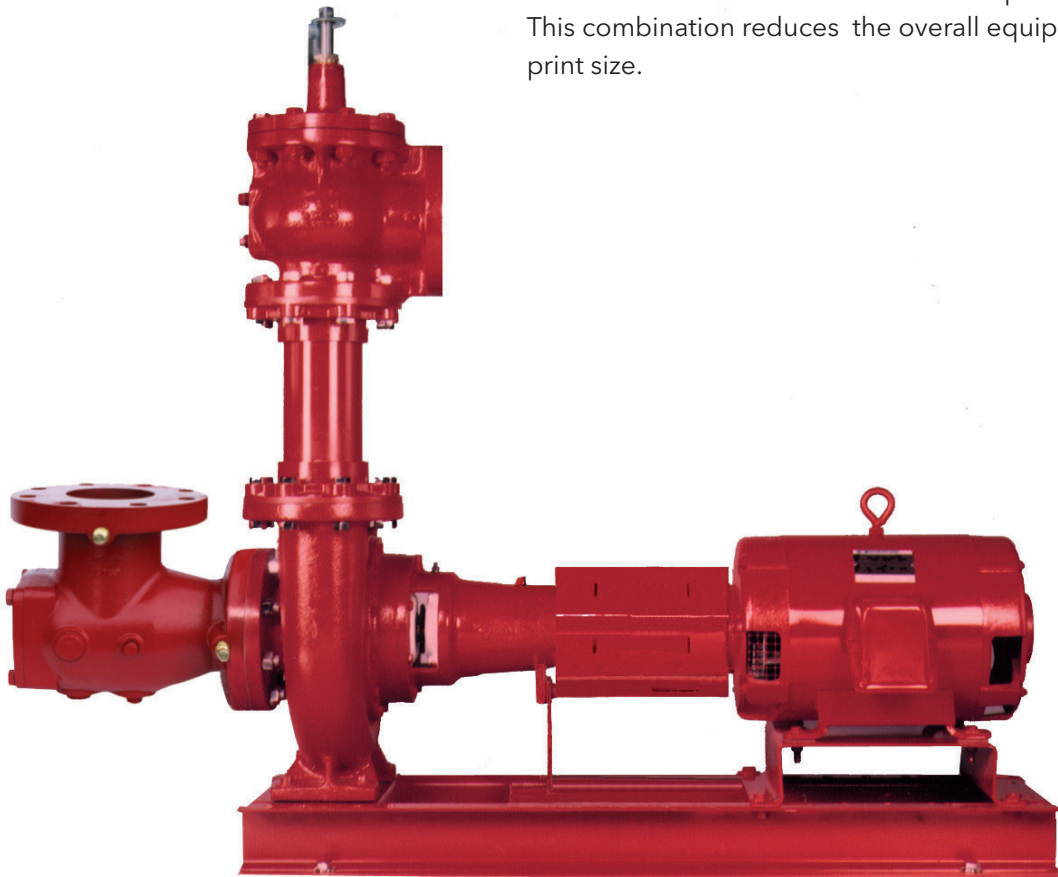
B&G Series e-1510 Pump

B&G Triple Duty® Valve

B&G Suction Diffuser Plus

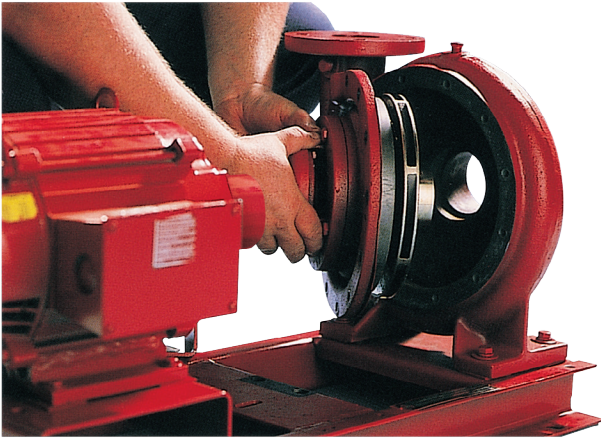
## Can save you

- Time -** By installing one B&G Triple Duty Valve which supplies three valve features into one.
- Money -** By providing faster installation. Only one valve versus three, and no suction elbows requiring welding and support feet.
- Space -** By providing a compact, rugged pump in conjunction with a B&G Suction Diffuser Plus and Triple Duty Valve. This combination reduces the overall equipment foot print size.



The Bell & Gossett Pump System  
offers these important advantages:

- A factory engineered package to address your specific system requirements.
- Bell & Gossett's patented Suction Diffuser Plus provides for smooth even flow to the pump while providing pump protection with built-in-strainer. Compact design saves space and eliminates unnecessary costs associated with traditional long suction piping methods.
- Bell & Gossett's Triple Duty Valve is three valves in one providing maximum protection and efficiency while minimizing equipment and installation cost.
- The Series e-1510 pump provides proven performance and includes as standard a heavy duty welded baseplate, center dropout spacer coupling, integrally cast volute foot for true back pullout service capability.
- The Bell & Gossett ESP-Systemwise computer selection program insures the precise combination of equipment for your system needs.



## B&G Pump System Features: Series e-1510 Pump

- True back pullout design for fast, simple, cost effective maintenance.
- Integrally cast volute foot provides rigid, stationary support to maintain pump alignment even during maintenance.
- Center drop out spacer coupling supplied as standard. Provides for bearing frame removal without pump or motor movement. Original alignment is maintained.
- Fabricated heavy-duty base plate supplied as standard. Includes closed ends and open top to provide ease of access for complete grouting.
- Computer aided system sizing and selection with ESP-Systemwize.



## Suction Diffuser Plus

- Flow Cone eliminates recirculation zones, improving flow conditioning and maximizing pump efficiency retention.
- Full length steel/stainless steel straightening vanes.
- Oversize orifice cylinder assures minimum strainer pressure drop.
- Optional Pressure/Temperature ports permit checking of system conditions and verification of start-up strainer presence.
- Sizes from 2" x 1 1/2" to 10" x 10"
- Available with NPT or flange connections.
- Reducer and elbow provide multiple combinations of inlet and pump suction configurations which eliminate the need for reducer fittings.
- ESP-Systemwize Selection



## Triple Duty Valve

- Three Valves in one!
  - Nonslam drip-tight check valve
  - Positive shutoff valve
  - Calibrated system balance valve
- Standard soft seal design for positive sealing
- Low pressure drop across the valve
- Flow monitoring
- Size range from 1" to 16"
- C<sub>v</sub> range from 9 to 3,225
- Available in the following configurations:
  - straight pattern
  - angle pattern
- Available connections
  - Threaded - Flanged - Grooved
- ESP-Systemwize Selection

# Service and support from the most trusted name in the industry - Bell & Gossett.

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 team.

Your local Bell & Gossett representative is available any time and is an experienced professional with a wealth of technical expertise. In addition to expert system and product application assistance and a wide product inventory warehoused locally, we offer ESP-Systemwize software selection program.



ESP-Systemwize is a Bell & Gossett web-based software that helps you design HVAC systems accurately, effectively and very quickly. You get fast, precise equipment selection, pump performance curves and equipment schedules, submittals, specifications and more.

ESP-Systemwize includes:

- Centrifugal Pumps
- Air/Dirt Separators
- Heat Exchangers
- Pump Suction Diffuser and Triple Duty Valve
- Expansion Tanks
- PIC Valves

## Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services, and agricultural settings. With its October 2016 acquisition of Sensus, Xylem added smart metering, network technologies and advanced data analytics for water, gas and electric utilities to its portfolio of solutions. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

**For more information on how Xylem can help you, go to [www.xyleminc.com](http://www.xyleminc.com)**

We value your feedback. Please take our 3 question survey at **[bellgossett.com/survey](http://bellgossett.com/survey)** to let us know how we are doing.



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