

e-1610 / e-1631 Series

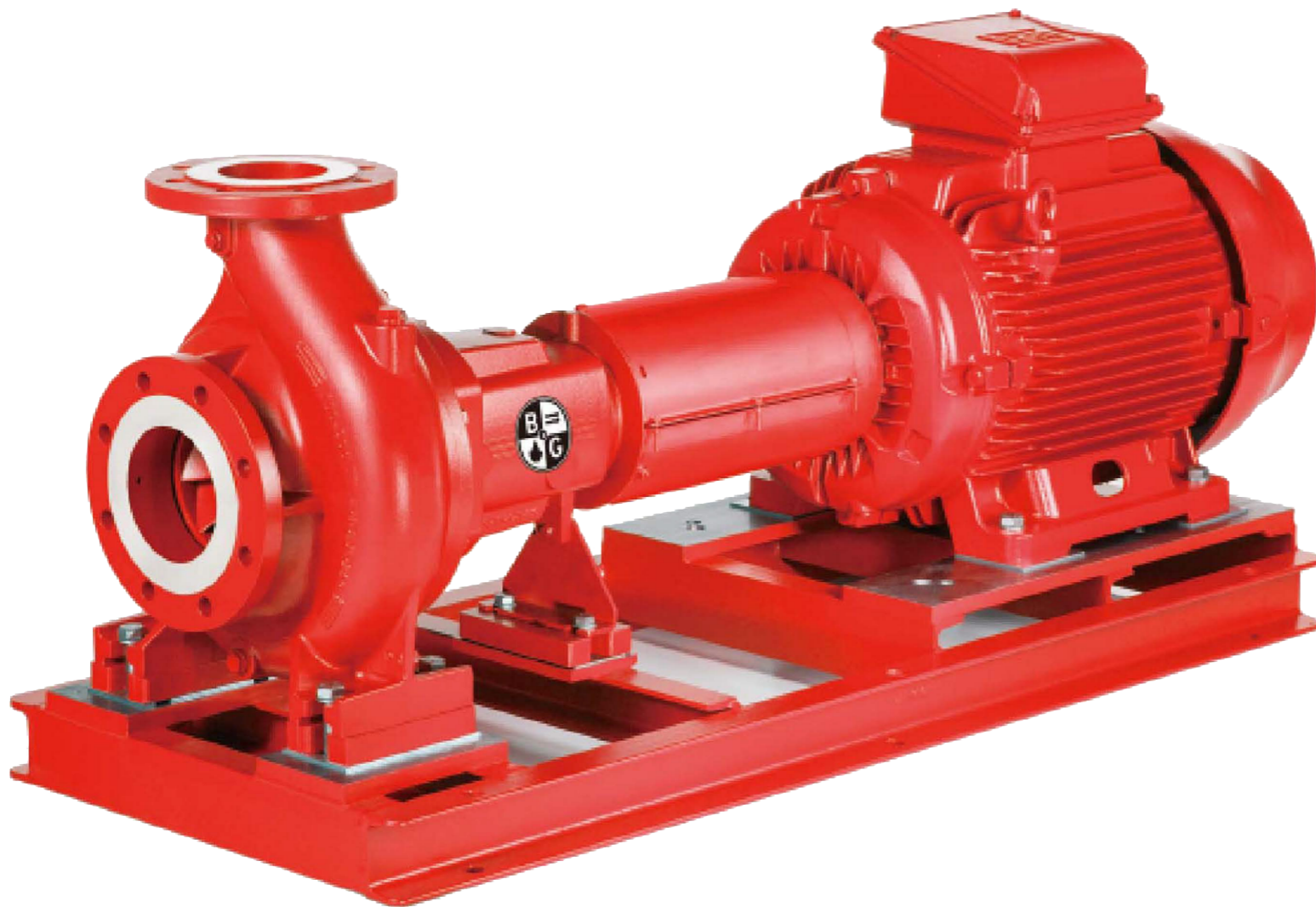
HIGH-EFFICIENCY END SUCTION PUMP



Bell & Gossett
a xylem brand



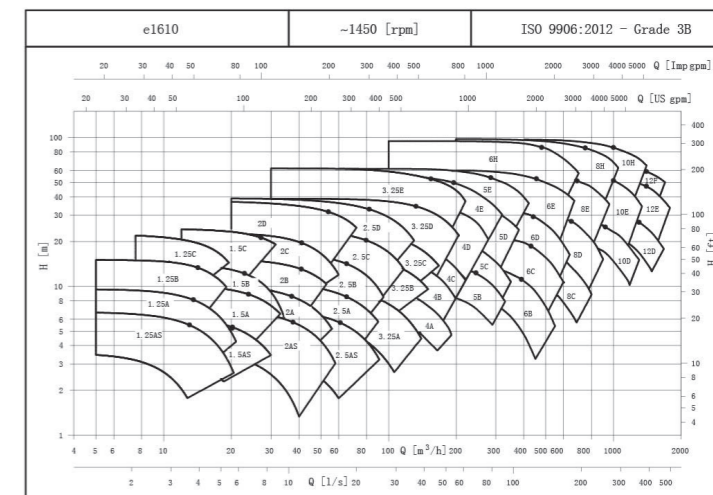
High efficiency, flexible installation ways, various material construction, wide range of temperature, make this new generation of high-efficiency pump to be the first choice for HVAC, heating & water transportation application.



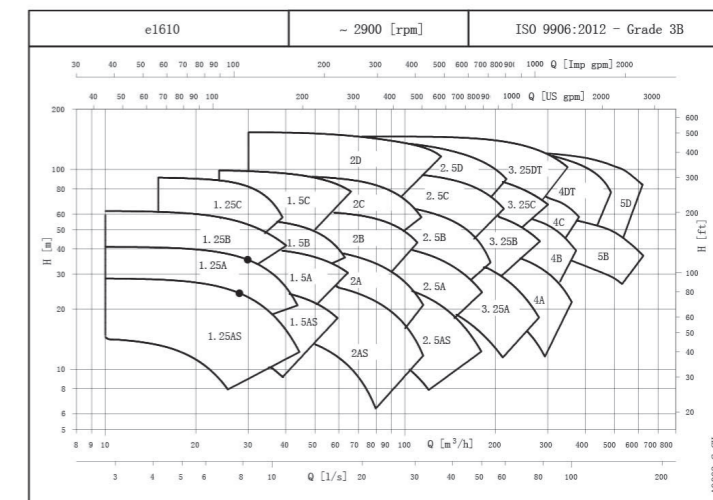
e-1610

High-efficiency
End-Suction Pump

Hydraulic Performance Rang at 50Hz,4Poles



Hydraulic Performance Rang at 50Hz,2Poles



Product Scope

- Sizes: DN32 - DN300
- Power: 1.1 kW – 75 kW (2 poles)
0.55 kW – 315 kW (4 poles)
- Head up to 160 m
- Flows up to 1900 m³/h
- Working Pressure class: PN16

- Pumped liquids temperature: -25°C - +120°C (140°C for special configuration)

*Please refer to factory if high temperature is required.

Material Construction

- Casing: Cast iron, Ductile iron, SS304, SS316, Duplex Stainless Steel
- Impeller: Cast iron, Bronze, SS304, SS316, Duplex Stainless Steel
- Mechanical seal: SiC, Graphite
- Mechanical elastomer: EPDM, FKM

It's not your standard end suction pump



e-1631
Stub-shaft

evolution of efficiency

Innovative hydraulic design makes the pump efficiency reach 89%, meet and even exceed the requirement for minimum energy efficiency index (MEI) of ErP2015 European standard, and much higher than China GB / T13007 and China energy-saving evaluation standard, is at the right hand of green energy users. The pump can meet the environment protect requirements by coupled with IE2/IE3 high efficiency motor. Coupled with the professional Tech502 or Hydrovar controller, will make better energy saving.

enhanced performance

Especially for the low-head area, there are more concentrated pump models, which not only make sure pump can meet the high efficiency but also more accurate to the pump working condition.

economical LCC

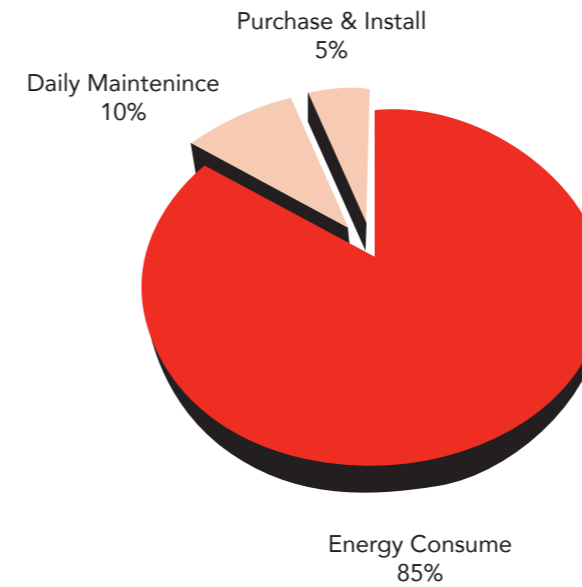
The modularized construction & Back-pull design guarantee easier maintenance with lower cost. The robust construction design reduced the bearing stress, and the high-level global supply chain largely extended the pump service life. In the actual application, high efficiency & long-life pump using, coupled with professional Tech502 or Hydrovar controller, greatly reduced the maintenance cost, can decrease 50% of the whole product lifecycle cost.

easy & convenient maintenance

High modularized design, high standardized design the maximum the exchangeability of components, greatly reduce the types & quantity of spare parts, more easier maintenance management and directly saves more than 50% daily maintenance cost.

The most mature back-pull construction

The use of most mature back-pull construction make the disassembly maintenance very easy. The disassembly do not need to move the pipe system, the casing or the motor. Moreover, the pump end can be easily pulled out by one person with very simple tools, this largely reduce the assembly & maintenance workload and save more than 50% of pump shut off time for the maintenances.



Greatly Saves The Product LCC Cost

LCC cost construction for pump in 10 years

Initial purchase & installation cost is only 5% of the LCC cost. In fact, the cost including maintenance, energy consuming & down-time is 95% of the total cost.

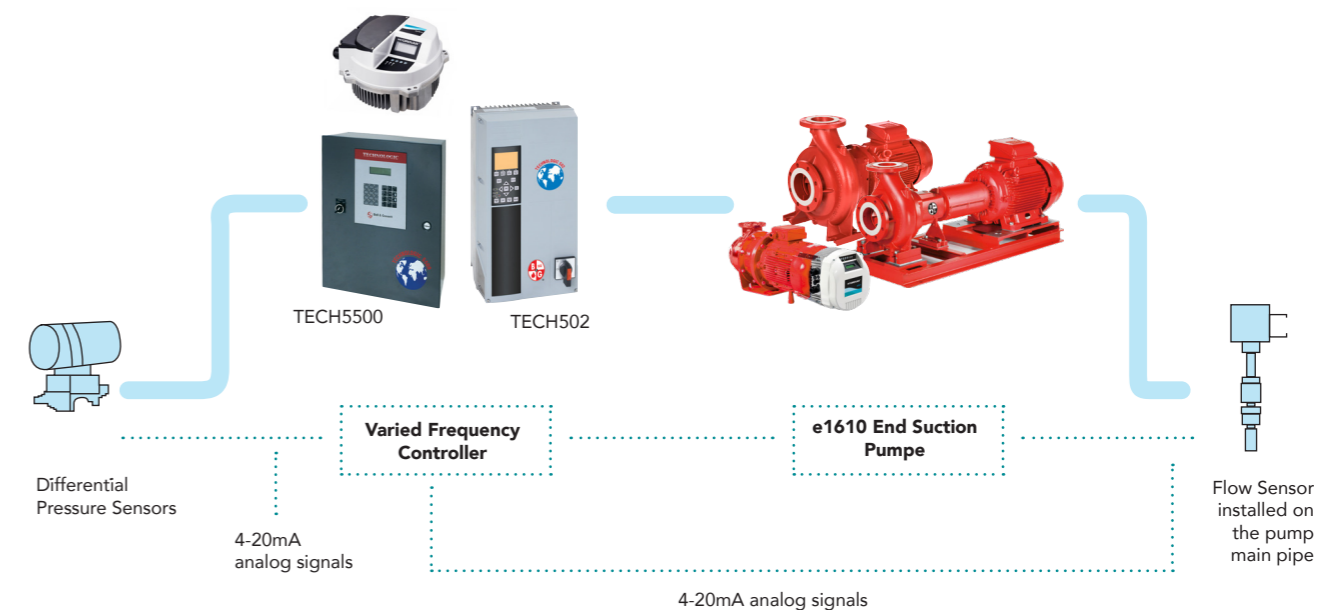
*1966, proposed by Professor Raymond, Harvard University.

Frequency conversion solution

Energy consuming, 85% of the whole LCC, if we can save 60%, we can decrease 50% of the LCC cost. Xylem is not only the producer, but

also the application expert. With more than 60 years experience of pump frequency conversion research, we can not only provide perfect pump efficiency as 89%, but also, we can provide suitable frequency conversion solution per your requirement, adjust the equipment per actual load running, save the energy & greatly reduce the operating cost.

Bell & Gossett Professional Pump Frequency Conversion System



Manufactured at Xylem's Manufacturing Facility in Dubai, UAE

The state-of-the-art facility in Dubai, UAE is a milestone in strengthening our presence in the Middle East & Turkey (MET) region. Spanning 13,000 square meters of space, the facility manufactures some of Xylem's industry-leading products and provides integrated services and support to our regional customers. In addition, our manufacturing unit enables us to oversee the engineering, production, and distribution of our products across the Middle East & Africa, while working closely with our local partners.

Xylem's new facility provides top-quality products, helping our regional customers to solve their water-related problems.

Xylem adheres to stringent global standards of engineering drawing for all products, and each product is overseen by the respective Center of Excellence (CoE).



Because Every Drop Counts

In a world where millions of people lack access to safe drinking water and basic sanitation, we are using our expertise and technologies to make a difference.

Xylem Watermark is our corporate citizenship and social investment program that aims to provide and protect safe water resources for communities in need around the world and to educate others about pertinent water issues.



BELL & GOSSETT® SELECTIONS MADE EASY WITH ESP-SYSTEMWIZE

ESP-Systemwize™ is a quick and easy way to size and select hydronic system components, such as pumps, Suction Diffusers, Triple Duty Valves, heat exchangers, air separators, and expansion tanks. Simply enter your required flow rate and ESP-Systemwize shows you options that can meet your needs. ESP-Systemwize makes system specification easy, allowing you to save projects, acquire CAD and many Revit files as well as submittals.

ESP-Systemwize.com



bellgossett.com

Xylem Inc. Bell & Gossett is a trademark of Xylem Inc. or one of its subsidiaries.

xylem
Let's Solve Water

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.xylem.com



Bell & Gossett
a xylem brand



Xylem Manufacturing Middle East Region FZCO
Plot S20120, Jebel Ali South
P.O. Box 261288
Dubai, United Arab Emirates
Tel. +971 4 806 1000
Fax +971 4 880 6045
www.xylem.com