

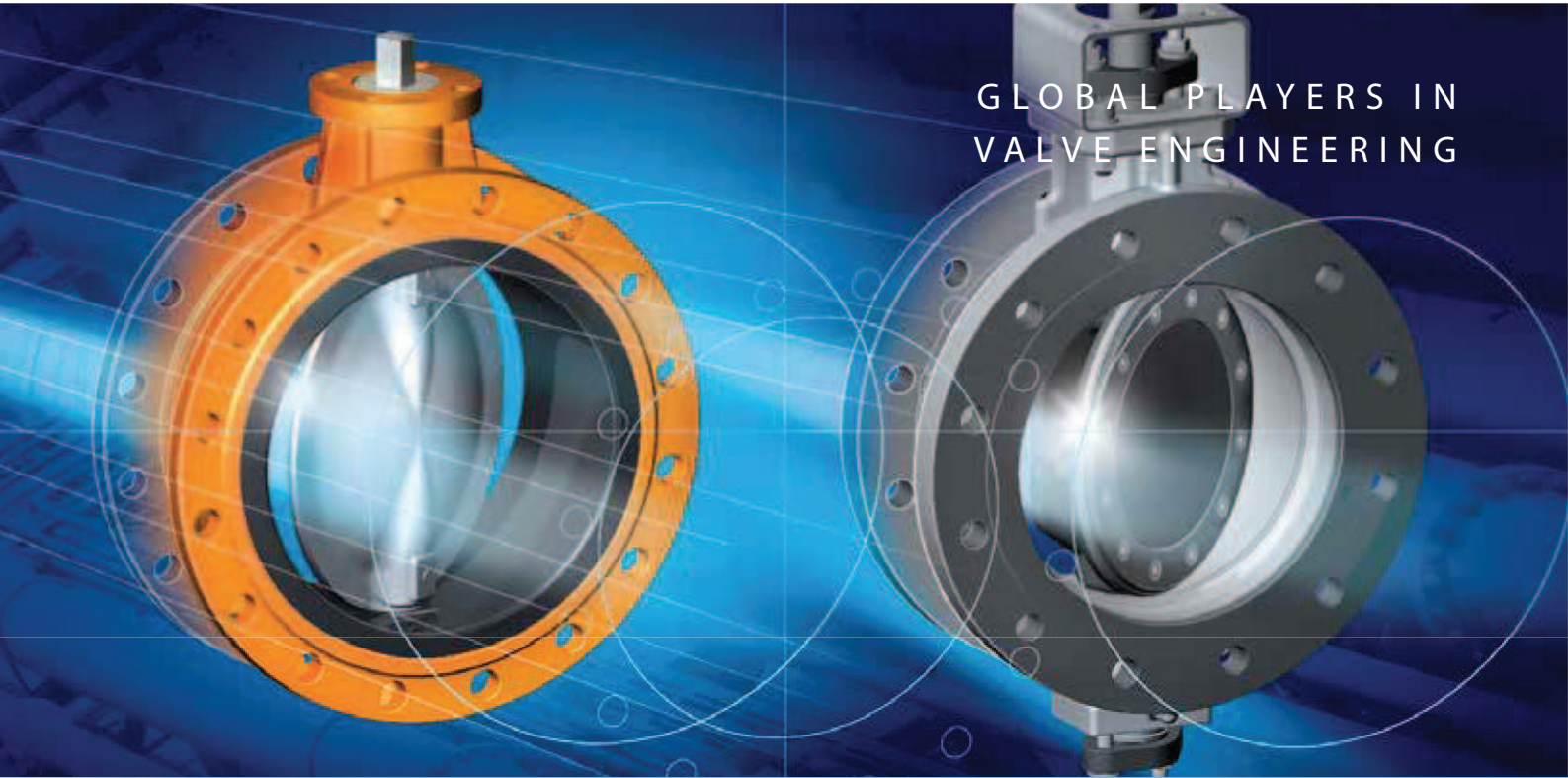
BUTTERFLY VALVES FOR DESALINATION



VALVE AND FLOW CONTROL SPECIALISTS
SERVICE AND RELIABILITY

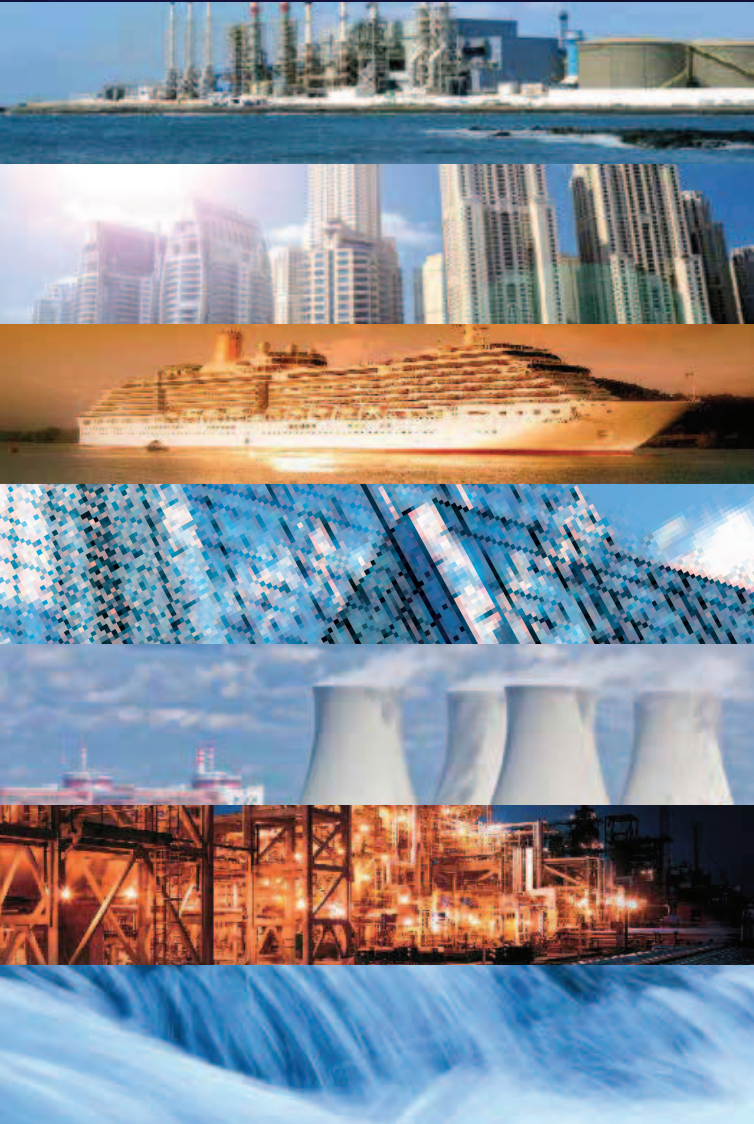


GLOBAL PLAYERS IN
VALVE ENGINEERING





VALVE AND FLOW CONTROL SPECIALISTS
SERVICE AND RELIABILITY



WHAT YOU NEED TO SUCCEED

Manufacturers of butterfly valves can be found all over the world. However, manufacturers with more than four decades' worth of experience and know-how are few and far between. Wouter Witzel EuroValve is one of them. Ever since 1966 we have been internationally renowned for our industrial butterfly valves and actuators.

Our products are mainly supplied to customers in seven markets; Desalination, District Cooling, Shipbuilding, Building Services, Power Stations, Oil & Gas and Water Treatment. Our constant monitoring of market developments allows us to always respond quickly to new demands. In close consultation with our customers we translate state of the art technology into innovative solutions. These match both the desired application and all other requirements.

Since 2005 Wouter Witzel EuroValve has been a largely independent subsidiary of international valve producing company, AVK Group. Partly thanks to means made available by this concern we now possess even more specific technological know-how. What's more, being part of the Group has allowed us to further optimize our international service.

Speaking of service, at Wouter Witzel EuroValve this is an ever ongoing process. You can count on us, even long after we've delivered our products to you. If you have any questions or problems we're always ready to listen and come up with effective solutions. We'll really do whatever it takes to give you what you need to succeed.

Our markets

- Desalination
- District Cooling
- Shipbuilding
- Building Services
- Power Stations
- Oil & Gas
- Water Treatment



Wouter Witzel



This brochure is devoted to one of the markets mentioned earlier in which Wouter Witzel EuroValve operates; the desalination industry.

In this market Wouter Witzel EuroValve has access to an elaborate network, including contacts with end users, consultants and contractors.

As a result we can closely monitor developments in this market, respond to them, and, most importantly, offer worldwide services. The desalination market requires a specific approach; experienced advisors with knowledge of the many applications and processes, fast and adequate service and, especially, a high degree of reliability of the worldwide products and materials used. They contribute to a successful formula.

As a Dutch manufacturer of butterfly valves and actuators we offer a very wide standard product range. Besides that, being a producer enables us to react to specific customer wishes and come up with solutions or improvements for the many applications of valves used in the desalination industry. Wouter Witzel EuroValve also has an organisation capable of dealing with large and complex projects in a professional way. That being said, our expertise goes beyond merely producing and supplying butterfly valves and actuators. Wouter Witzel EuroValve has many options to supply the complete package of valves you need for your installations. Our many years of experience allow us to also provide extensive advice in the area of process and valve automation.

DESALINATION

With more than 40 years of experience WWE is full aware of the requirements of butterfly valves in the many processes and applications in the desalination market. The ever increasing complexity of the various desalination processes demands our products to be even more reliable and durable. We know that butterfly valves are an essential component of the total process automation. From reverse osmosis, ultrafiltration to disinfection with chemicals, ozone or UV, to brine disposal – for all these processes WWE offers a wide and affordable range of butterfly valves. For the use of our products in potable water and industrial process water WWE has many international approvals.

APPLICATIONS

For this market segment we supply a wide range of butterfly valves for several applications in the desalination process. Keywords of our quality are: high chemical resistance, wear proof, vacuum proof and suitable for 500.000 cycles. These demands are the critical factors for selecting valves in a desalination plant.

Because its robust, maintenance free design, our vulcanized liner concept and wide range of selected or specified materials our valves are used in:

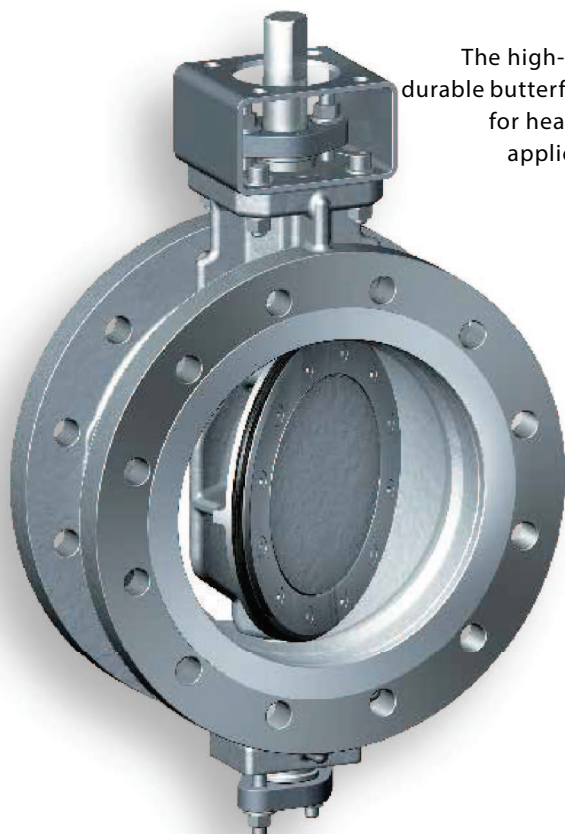
- (Sea) water inlet
- Reverse osmosis (flushing and cleaning of the membranes)
- Membrane filtration (ultra filtration)
- Disinfection (chemicals, ozone or UV)
- Pumping and booster stations (on/off valves and control valves)
- Transmission pipelines
- Storage and reservoirs (on/off valves and control valves)
- Brine disposal





Wouter Witzel
The versatile butterfly valve,
available in many shapes
and diameters.

For the desalination process we offer three product lines: rubber lined butterfly valves, high performance butterfly valves, and actuators.



Dynaxe
The high-quality,
durable butterfly valve
for heavy duty
applications.

WOUTER WITZEL RUBBER LINED BUTTERFLY VALVES

Wouter Witzel Euro Valve butterfly valves for use in the desalination industry meet this market's specific demands.

There is a wide choice of materials and coating systems on offer. A material often used for the valve disc is corrosion proof and wear resistant duplex stainless steel. This material is very suitable for use in e.g. membrane filtration or demineralised water, because of its resistance to chemicals.

What's more it offers sufficient strength when pressure rises up to 25 bar. Additionally, we offer many sealing materials, such as EPDM, NBR, Viton and silicon rubber.

As a producer we make it possible for butterfly valves to be supplied with coating that matches your specifications.

With diameters of DN40 up to even DN2200 and an impressive range of butterfly valves in types such as wafer, semi-lug, tapped-lug, u-section, single flange and double flange we have every right to call our product offer complete.

An important characteristic of our butterfly valves is the centric design and the vulcanised sealing. As a result our butterfly valves offer important advantages, such as a low and reliable operating moment, being suitable for many operating cycles and excellent protection of the valve casing. These very properties matter especially when it comes to desalination processes; reliability and durability.

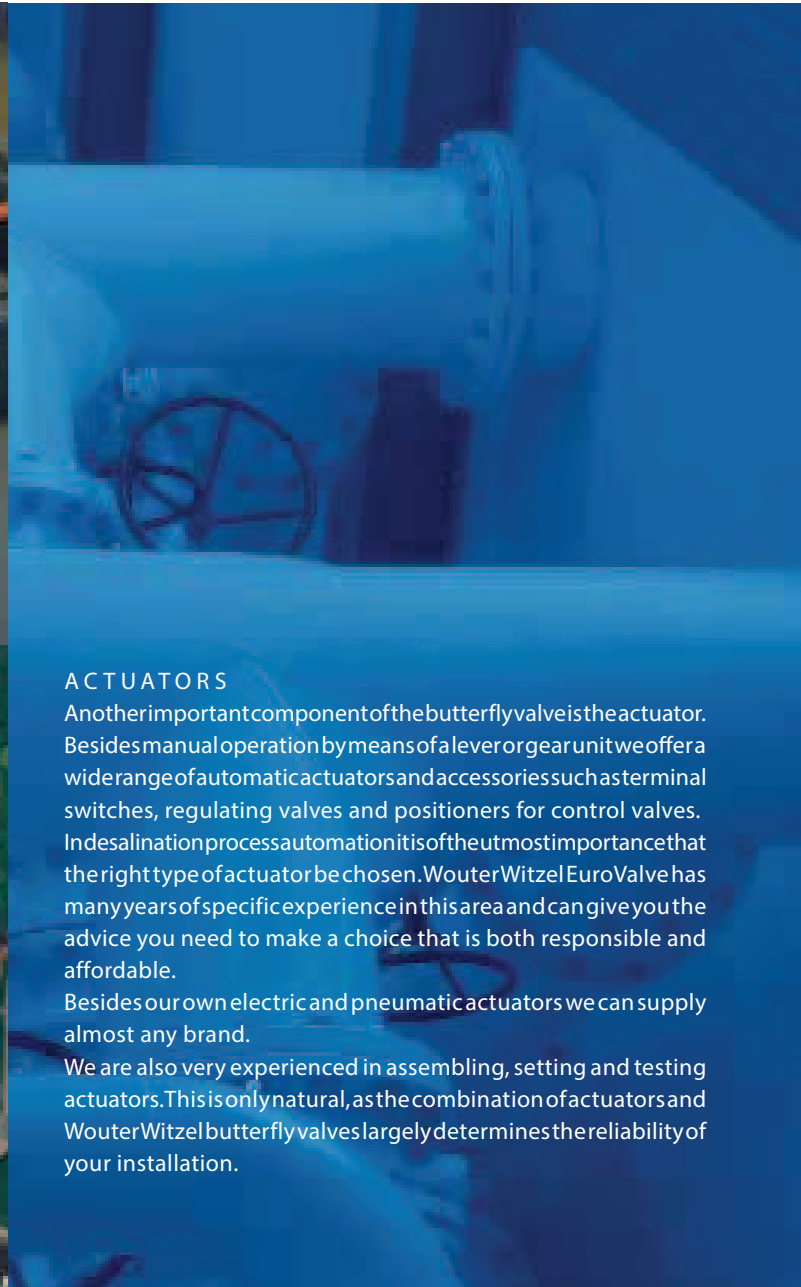
DYNAXE

The high-quality, durable butterfly valve for heavy duty applications. The desalination process implies high pressures, high temperatures and water with aggressive chemicals sometimes making it impossible for rubber lined butterfly valves to be used. Our Dynaxe high performance butterfly valves have a doubly excentric design and are available in many high-quality materials, including stainless steel 316, duplex steel and Alubronze. They also come with a variety of sealing materials.





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ACTUATORS

Another important component of the butterfly valve is the actuator. Besides manual operation by means of a lever or gear unit we offer a wide range of automatic actuators and accessories such as terminal switches, regulating valves and positioners for control valves. In desalination process automation it is of the utmost importance that the right type of actuator be chosen. Wouter Witzel EuroValve has many years of specific experience in this area and can give you the advice you need to make a choice that is both responsible and affordable.

Besides our own electric and pneumatic actuators we can supply almost any brand.

We are also very experienced in assembling, setting and testing actuators. This is only natural, as the combination of actuators and Wouter Witzel butterfly valves largely determines the reliability of your installation.

CERTIFICATES / APPROVALS

Wouter Witzel EuroValve supplies valve with accompanying certificates and approvals, both national and international. A list of these approvals can be found at www.wweurovalve.nl.

As desalinated water can be used as industrial water, process water as well as potable water our valves have the following international approvals and certification available: KIWA/WRAS/DVGW etc, TALuft, schakeltest and PED.

We also have performance tests, like:

- vacuum test PNO
- 500.000 cycle test



GLOBAL PLAYERS IN VALVE ENGINEERING



OUR MAIN ASSETS

- We possess the ample knowledge and experience needed to respond to the specific and usually complex demands that are made in the water treatment market.
- Our own experts translate your wishes into products that combine logic and quality with affordability.
- Besides supplying butterfly valves and actuators we are also your partner of choice when it comes to total solutions in process and valve automation.
- One of Wouter Witzel EuroValve's unique services for the water treatment market is the option of carrying out customer alterations even way into the production process. This service is our prerogative as a producer with a highly flexible production process.



OUR REFERENCES

AL WASIA
Kingdom of Saudi Arabia

CAPE PRESTON
Australia

1. AVR
Netherlands

2. LARNACA
Cypres

TRINIDAD
Trinidad

IBIZA
Espana

FUJEIRAH
UAE

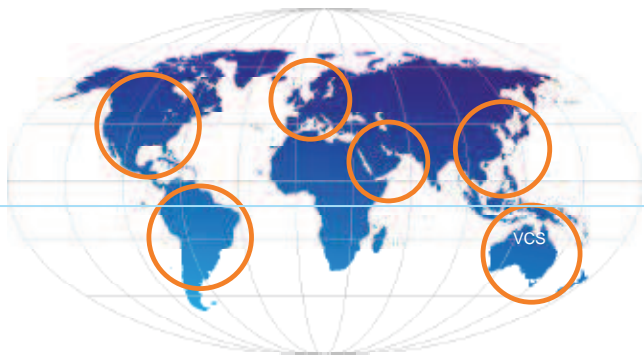
TARRAGONA
Espana

BENGHAZI
Libya

EMAL
UAE

3. AL ZAWRAH
UAE





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