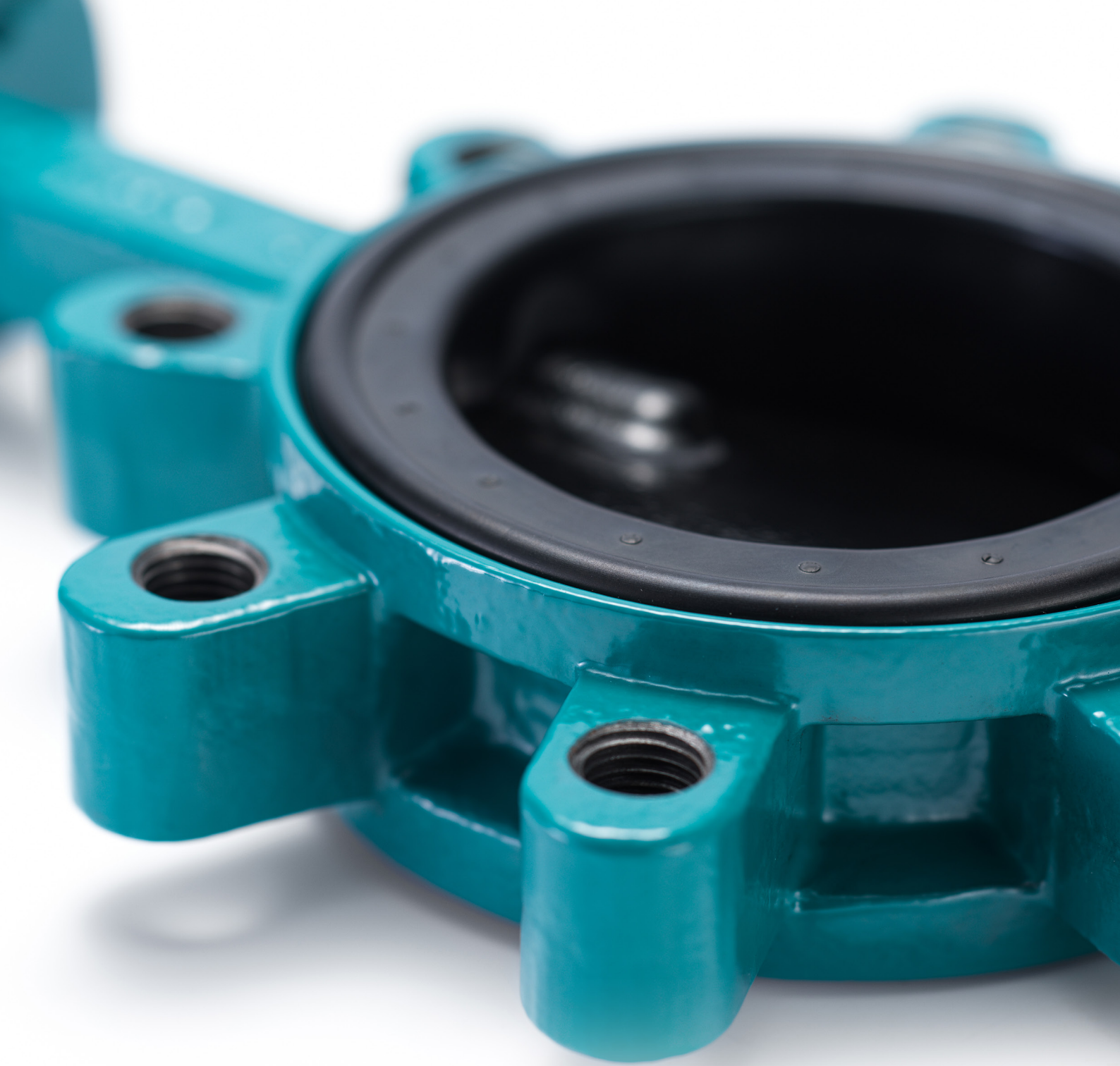


Aquaria plus – where cost efficiency and quality meet your demands.



Elastomer-lined
butterfly valve



A robust and cost-efficient valve.

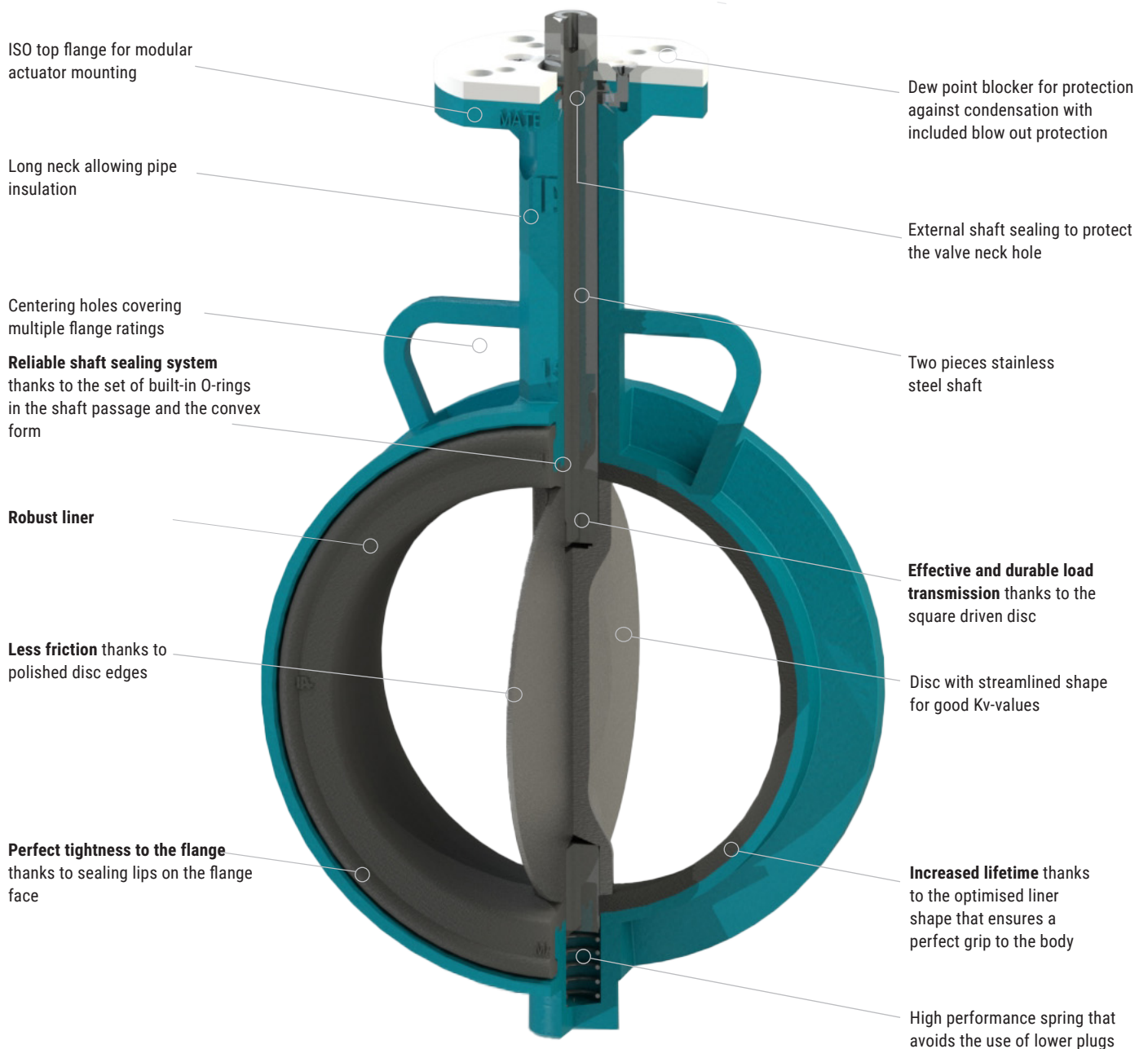


Aquaria plus is a maintenance-free centric butterfly valve with an elastomer liner, available in the sizes from DN 25 up to DN 300.

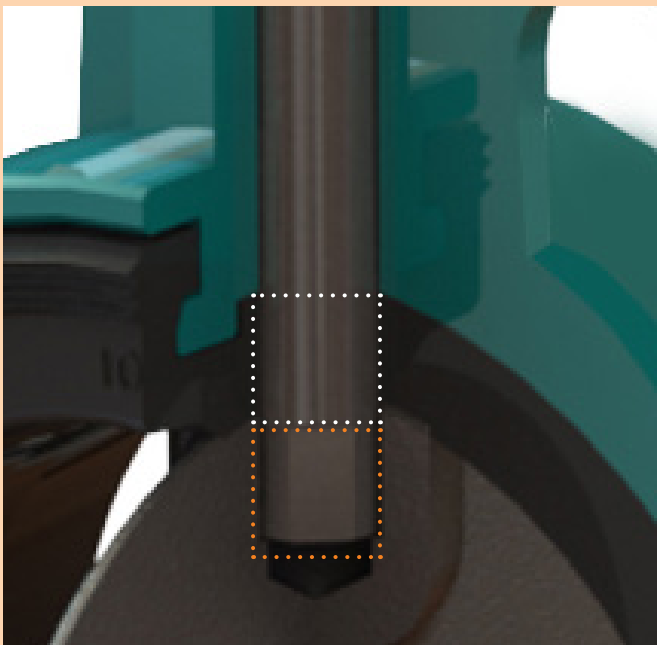
Designed and manufactured in Spain, Aquaria plus features a ductile iron body, an EPDM liner resistant to temperatures up to 130 °C and can be configured with a ductile iron-coated or stainless steel disc.

The robust design and cost-efficient approach as well as the possibility to mount various types of actuators make Aquaria plus the ideal solution for HVAC applications, swimming pools and irrigation.

Optimised and reliable design



The highly precise machining of the disc and shaft ensures a long-lasting and effective load transmission which, combined with a wide range of mountable actuators, offers varied automatisatisation possibilities.



- Shaft sealing system
- Shaft disc connection

Aquaria plus is the maintenance free butterfly valve created and designed under the aspects of simplicity in combination with perfect operation.



Right material for safe operation.



Whether with a ductile iron-coated disc for irrigation purposes or the appropriate disc for HVAC or swimming pool applications,

Aquaria plus butterfly valve always offers safe and reliable operation.

Valves for greater efficiency

—
With InterApp butterfly valves
Aquria plus



Total area machine room 2,000 m²

Voltage 16,000 V

Lake water pipe DN 800



Located in Lugano, the Swiss National Supercomputing Center or CSCS is run by ETH Zurich and is part of the national High Performance Computing and Networking Strategy passed by the Swiss Federal Council and Parliament.

The overarching goal of the new CSCS is to provide all Swiss researchers with the kind of technologies that are becoming increasingly important to their work. The computing center was specifically designed with sufficient capacity to accommodate all the supercomputing infrastructure necessary for Swiss scientific endeavour for at least the next 40 years.

Constructing a building in which the national supercomputers will be housed over the coming decades was a complex challenge, not least because the technology in this area is advancing so rapidly. To meet this challenge, the new CSCS building had to be innovative, flexible and environmentally sustainable – requirements which placed considerable demands on all the contractors and suppliers involved.

Alongside the actual operation of the IT hardware, the second greatest consumer of electricity is the computing center's cooling system. As such, it is imperative that the cooling system is run as efficiently as possible using innovative technolo-

gies to reduce the amount of power consumed. In most computer centers, a low temperature in the server rooms is maintained using conventional air conditioning; however the CSCS features a highly energy-efficient water cooling system.

The water is sourced from Lake Lugano, to which it is subsequently returned. In between, there's a sophisticated water cooling system with two cooling circuits, whereby the external lake water is used to reduce the temperature of the internal cooling circuit.

Due to their high degree of operational reliability, isolation valves from InterApp were chosen for the control and regulation of the cooling circuits. The system features Aquaria plus and Desponia butterfly valves, brass ball valves with stem extensions, stainless steel ball valves, Neptunia check valves, as well as Y-strainers.

Designed and built for HVAC, irrigation and swimming pool applications.



HVAC & Swimming Pools

A light-weight body, a thin disc and the possibility of mounting various actuators make Aquaria plus the ideal valve for HVAC & Swimming Pool applications.



Irrigation

Thanks to an optimised cost-performance ratio and an uncompromised quality, Aquaria plus is the perfect valve for irrigation purposes.

Headquartered in Switzerland and part of the AVK Group, InterApp develops, manufactures and markets valves and related accessories. As a customer-focused technology company, we supply comprehensive flow-control solutions to the most demanding industries around the world.

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