

# Desponia – versatile, high- performing valves.

Elastomer-lined  
butterfly valve





# Multi-purpose, modular and state-of-the-art.

Desponia and Desponia plus are centric butterfly valves with an elastomer liner, designed and built for long-lasting use in highly demanding environments. Engineered and manufactured for more than 30 years in Spain, they represent the core of InterApp's comprehensive portfolio of industrial valves.

Desponia is available in sizes ranging from DN 25 up to DN 1600

and pressures up to 16 bar, thus offering the ideal solution for all kinds of industrial applications.

Desponia plus is available from DN 25 up to DN 600 and recommended for high-pressure applications up to 20 bar, high-temperature applications, process automation or vacuum applications.

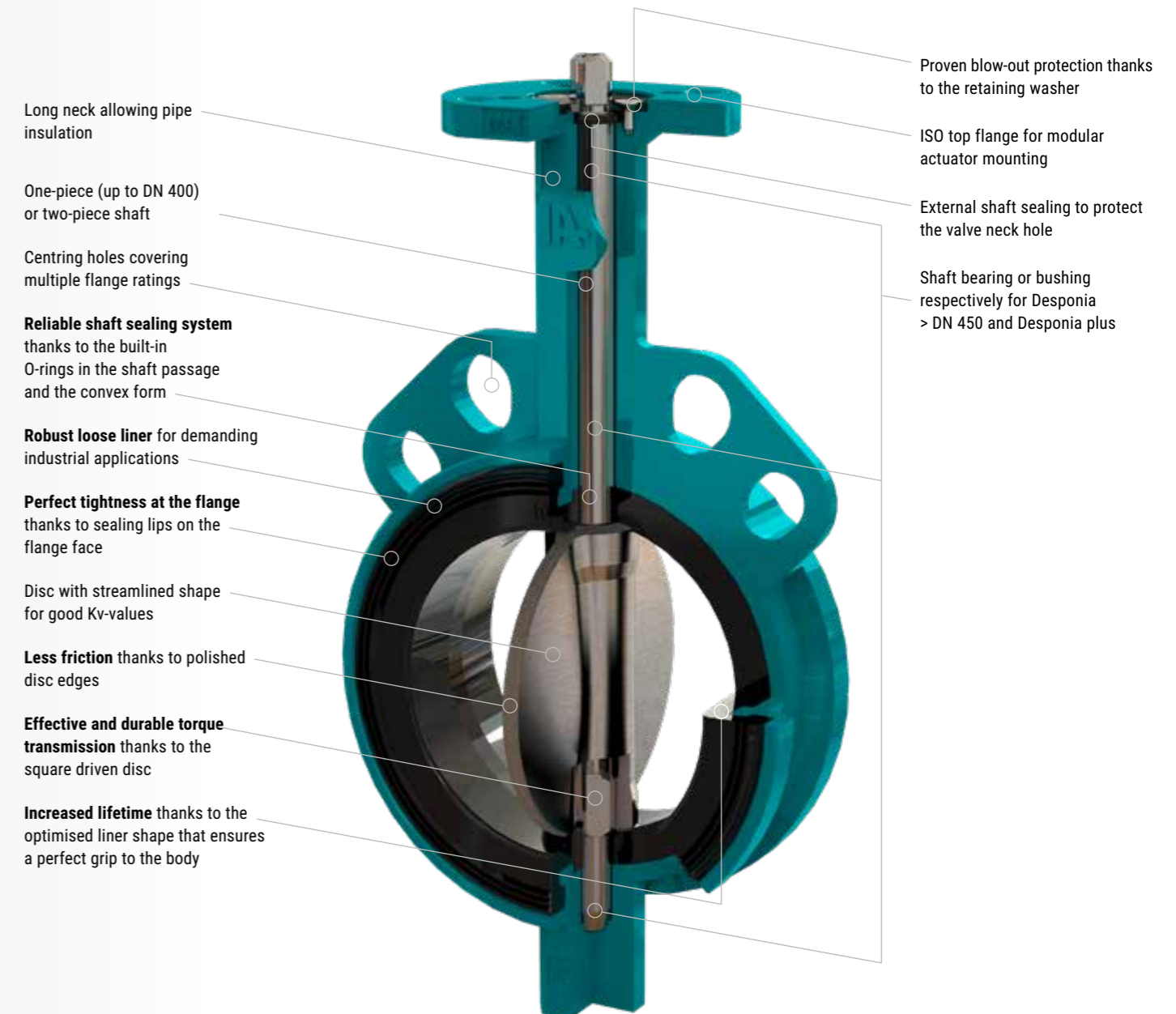
Whereas Desponia can be supplied with a cast iron and ductile iron body, Desponia plus offers the possibility

to choose between a body made of ductile iron, carbon steel, cast iron or stainless steel.

The resistant body and robust liner available in many different materials, as well as the large range of different disc materials to choose from, means that Desponia and Desponia plus are truly state-of-the-art industrial valves.

The liner and disc play a crucial role in elastomer-lined butterfly valves, as they are the only two parts in contact with the fluid. InterApp's technical knowledge and project management expertise ensure the right materials are used for a diverse range of applications.

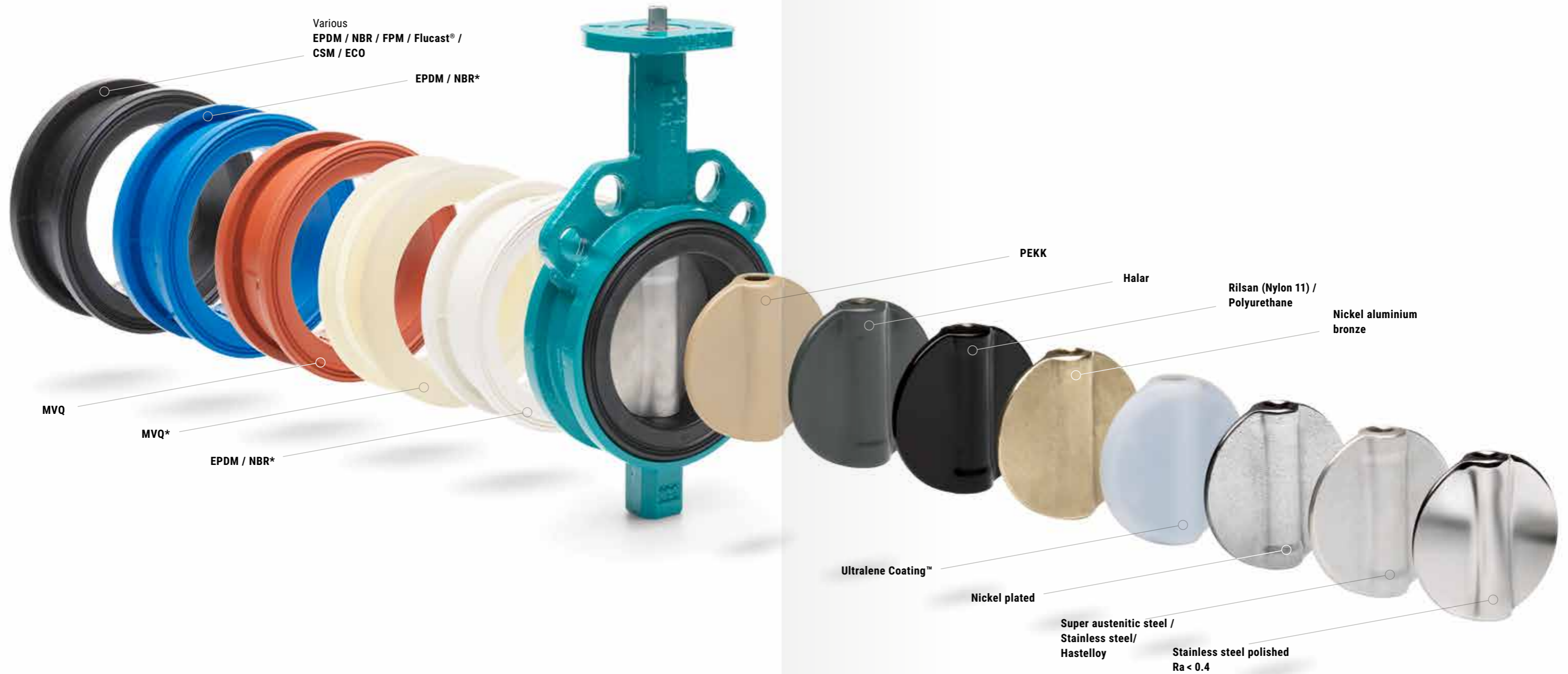
## Robust design for high performance



Liners are compliant with FDA rules and EU regulation No. 1935/2004.  
Approved for drinking water according to DVGW, ACS, NSF-61<sup>1)</sup>, SVGW, WRAS  
and gas according to DVGW.  
Grease-free, LABS-free and ATEX versions as well as bonded-liner types available.

1) NSF-61 approved Desponia with EE liner and 2AR or 4C0 disc.

# The right material selection for the most diverse applications.



From the specially developed family of Flucast® liners for abrasive applications to FDA and EU regulation No. 1935/2004, approved white and blue rubbers InterApp offers a wide range of high-performance elastomers.

Whether with Ultralene Coating™ or polished stainless steel with smooth shaped edges, the Desponia and Desponia plus discs are always designed and manufactured to meet the highest quality standards.

\* FDA and EU No. 1935/2004

# One of Europe's largest and most modern nitrification plant.

Relying on Desponia butterfly valves



Dry times capacity	20 m <sup>3</sup> /s
Rain days capacity	45 m <sup>3</sup> /s
Peak times capacity	52 m <sup>3</sup> /s
Water treatment for	8 million people



**SIAAP has been purifying water for the more than eight million people living in the Greater Paris area since 1970. Its main aim is to protect the Seine and Marne rivers while constantly improving the treatment of waste water. When SIAAP needed to build a new nitrification unit at the purification plant in Achères, west of Paris, the OTV-DEGT consortium was tasked with planning, developing and implementing the project.**

Today, the Achères plant is one of the largest and most modern nitrification plant in Europe. The volumes of waste water treated at this unit are impressive: 20 m<sup>3</sup>/s during periods of dry weather, 45 m<sup>3</sup>/s on rainy days and up to 52 m<sup>3</sup>/s at peak times.

When the project was put out to tender, InterApp was awarded the contract to develop, manufacture and supply the butterfly valves because of its proprietary technology, experience in handling large-scale projects and outstanding customer service.

One of the challenges at this station equipped with filter systems was the need for accurate and simultaneous cell-by-cell operating times to comply with treatment procedures. Also, InterApp had to come up with a solution that prevented the polystyrene globules in the water from escaping whenever the filters have to be emptied.

Based on its proprietary Desponia butterfly valves, InterApp developed and implemented a system designed to the specific requirements of the nitrification plant at Achères. InterApp supplied a total of 1,686 butterfly valves, including more than 600 with over DN 800, both manual and pneumatic, to fit the Biostyr® OTV cells. A total of 252 butterfly valves of DN 800 were specifically designed and built to prevent the polystyrene globules from escaping.

The OTV-DEGT consortium benefited from InterApp's experience in handling large-scale projects with ultra-short response times.

By offering a comprehensive package with both proprietary InterApp and third-party products, the OTV-DEGT consortium was able to obtain the most technologically advanced and cost-effective solutions available on the market.

# Designed and built for liquids and gases in industrial applications.



## Steel Industry

Shut-off valves, used to gas molten steel, are exposed to harsh conditions. The Desponia range ensures safe operation in this area due to the type of materials selected.



## Oil & Gas

The Desponia range offers carbon steel bodies for the petrochemical, gas and oil industry. The valves withstand any environment and are used worldwide.



## Water Treatment

The ever-increasing complexity of processes in the water treatment market demands that valves are extremely reliable and durable. Desponia and Desponia plus meet these demands.



## Life Science

Safety is paramount for applications within the life science segment. For the food & beverage industry, Desponia offers special blue and white liners compliant with FDA and EU regulations.



## Marine

Thanks to its outstanding reliability and international product certificates, Desponia is the preferred choice for marine applications such as ballast systems, scrubbers, etc.



## Chemical Process

Over the years, InterApp has developed discs and liners for demanding chemical-processing applications, e.g. Ultralene Coating™- and PEKK-coated discs combined with FPM liners.

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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