

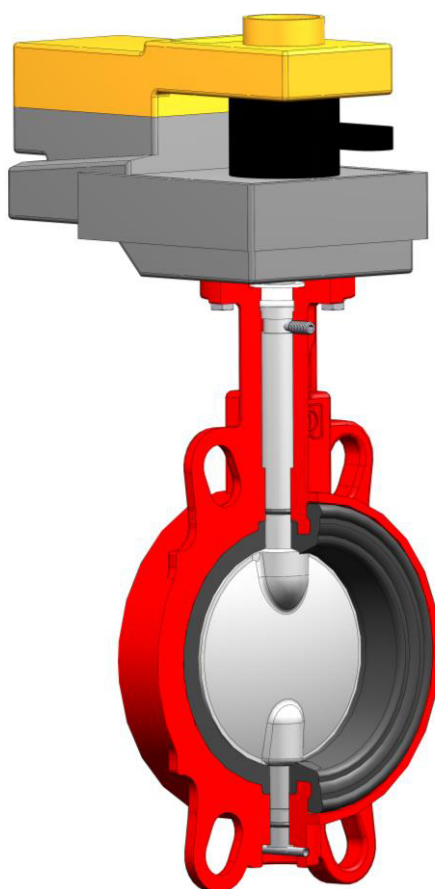
# REG-LINE

## BOILER CASCADE VALVE

"Boiler cascade" butterfly valves are specially designed for installations with several boilers functioning in series. They ensure compliance with all of the requirements of these systems, such as opening time, reduction of thermal loss and energy savings.

### TECHNOLOGY

- ✓ **Electric actuator** operation with emergency control
- ✓ Plate **standardised** in accordance with EN-ISO 5211
- ✓ **Epoxy** coated body for an **excellent corrosion resistance**
- ✓ Non-ejectable stem for **optimum security**
- ✓ High collar for insulation
- ✓ Hollow neck to **prevent seizing**
- ✓ Seat anchored in the body and self-centering disc guarantee a **low and constant torque** and a **durable seal**
- ✓ Moulding and spherical machining of the seat / valve body contact zone for a **perfect seal**
- ✓ Seat bossed at valve stems to eliminate the risk of external leaks
- ✓ Secondary O-rings for **additional safety**



Profiled disc for an **increased flow rate coefficient (Kv) (\*)**



Ductile iron body as standard for **increased resistance**



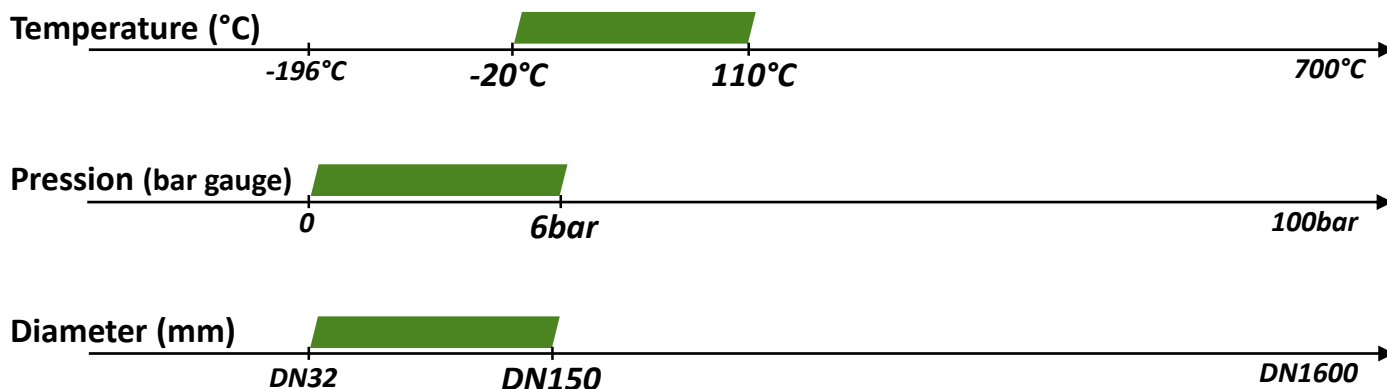
100% product testing to **guarantee performance**



A **premium service** through customer liaison and technical assistance

(\*) Depending on operating conditions, the annual energy savings can be **higher than the cost of the valve**.

### PERFORMANCE



The maximum pressures and temperatures depend on the pressure/temperature relationship and type of fluid.

Body	DUCTILE IRON ENJS1030 + EPOXY			
Liner	EPDM High Temperature			
Disc	DUCTILE IRON ENJS1030 + EPOXY		STAINLESS STEEL A351 CF8M	
Body type	Wafer	Lug	Wafer	Lug
Operation type	Electric actuator			

## Design

- Designed in accordance with standard EN 593
- Face-to-face in accordance with standard EN 558+A1 base 20

## Seal

- In accordance with standard EN 12266-1 Rate A

## Approval

- PED 2014/68/UE



Wafer



Lug



Electric actuator

# CHARACTERISTICS

Components	Material	Description	Benefit
Body	DUCTILE IRON ENJS1030	Spheroidal graphite ductile iron has a <b>superior mechanical strength</b> than lamellar graphite cast iron.	<b>Increased safety for personnel and equipment</b>
Coating	EPOXY	The EPOXY coating guarantees <b>excellent corrosion resistance</b> .	<b>Maintains product integrity and facilitates cleaning</b>
Liner	EPDM H.T.	Elastomer specifically formulated for <b>high temperature applications</b> .	<b>Durable seal</b>
Disc	DUCTILE IRON ENJS1030 + EPOXY	Assembly having the mechanical properties of <b>ductile iron</b> and the <b>chemical protection</b> of EPOXY.	<b>Cost effective</b>
	ASTM A351 CF8M	This grade of stainless steel has <b>excellent corrosion resistance</b> .	<b>Uncoated stainless steel material</b>
Stem and Pivot	1.4021 / 1.4028 (Inox 13% Cr)	The shafts have <b>excellent mechanical strength</b> and benefit from corrosion resistance of 13% Cr stainless steel.	<b>Lasting integrity of the shaft line</b>
Bearing ring	THERMOPLASTIC	Plastomers are <b>insensitive to corrosion</b> and have good mechanical strength.	<b>Improved shaft coaxiality</b>



**Energy Savings**

**46%**

Average increase in Kv coefficient compared to one-piece shaft design.