

# MAXI-GAZ

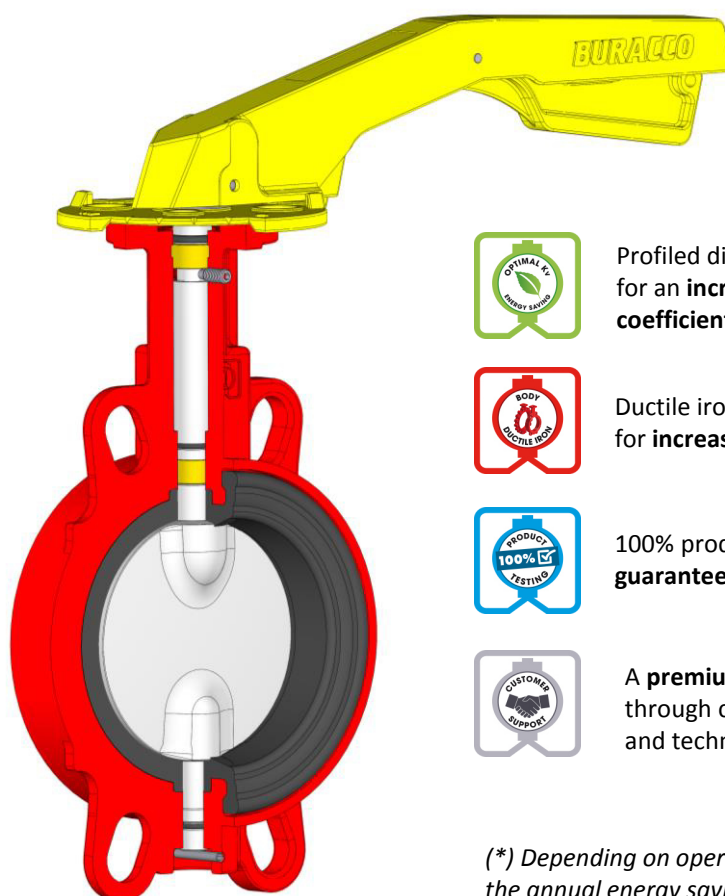
**GAS CERTIFIED VALVE**



MAXI-GAZ butterfly valves are specially designed for industrial gas networks. With 130 years experience in this field, and with our continuous development efforts, Buracco guarantees reliability, perfect shut-off, durability as well as significant energy savings.

## TECHNOLOGY

- ✓ **Yellow** aluminium hand lever, can be **locked out**, ergonomic design
- ✓ 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**
- ✓ **Self-lubricating bearings** for an **ideal shaft coaxiality** and **optimized torque**
- ✓ 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**



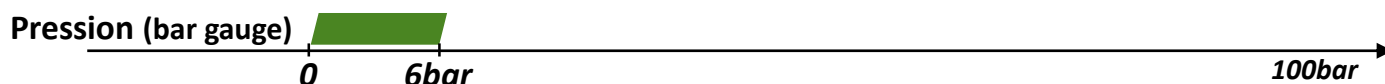
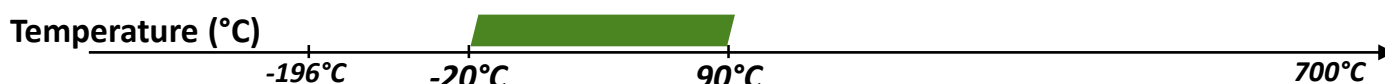
100% product testing to **guarantee performance**



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.

## CONSTRUCTION

<b>Body</b>	DUCTILE IRON ENJS1030 + EPOXY							
<b>Liner</b>	NBR				EPICHLORYDRIN			
<b>Disc</b>	DUCTILE IRON ENJS1030 + EPOXY		STAINLESS STEEL A351 CF8M		DUCTILE IRON ENJS1030 + EPOXY		STAINLESS STEEL A351 CF8M	
<b>Body type</b>	Wafer	Lug	Wafer	Lug	Wafer	Lug	Wafer	Lug
<b>Operation</b>	Yellow aluminium hand lever and manual gear box							

### 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

### Approvals

- PED 2014/68/UE
- NF, AFG, CERTIGAZ

### Main options

- ATEX construction
- Order conformity certificate / material certificate / pressure test certificate in accordance with standard EN 10204 types 2.1, 2.2 and 3.1
- ...



Wafer



Lug



Aluminium hand lever operation

Manual gear box operation

## CHARACTERISTICS

Components	Material	Description	Benefit
<b>Body</b>	DUCTILE IRON ENJS 1030	Spheroidal graphite ductile iron has a <b>superior mechanical strength</b> than lamellar graphite cast iron.	<b>Increased safety for personnel and equipment</b>
<b>Coating</b>	EPOXY	The EPOXY coating guarantees <b>excellent corrosion resistance</b> .	<b>Maintains product integrity and facilitates cleaning</b>
<b>Liner</b>	NBR	This elastomer has strong <b>resistance to gases</b> .	<b>Optimized liner selection for durable performance</b>
	EPYCHLORYDRIN	This elastomer has strong <b>resistance to gases at low temperatures</b>	
<b>Disc</b>	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</b>
<b>Stem and Pivot</b>	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>
<b>Bearings</b>	COMPOSITE THERMOPLASTIC	<b>Corrosion resistant, self-lubricating</b> bearings with <b>excellent mechanical characteristics</b>	<b>Torque stability and lasting of the shaft line</b>
<b>Hand lever</b>	ALUMINIUM	The special aluminium gas hand lever is <b>yellow, light, notched, and can be locked out</b> .	<b>CERTIGAZ compliant</b>



**Energy savings**

**40%**

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