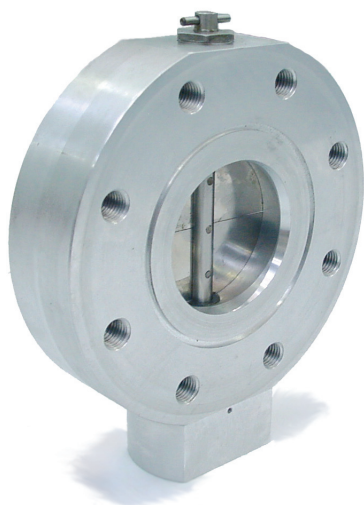


BUTTERFLY GAS VALVE

Series ITG



CHARACTERISTICS

Applications:

- Suitable gas hot air, natural gas, town gas, LPG and other non aggressive fuels.
- Low leakage rate and pressure loss.
- Possibility to mount any actuator chosen by the customer.
- Possibility to mount our suggested actuator.
- Low maintenance requirements.
- Modulating Ratio 1:10.

FUNCTION

The butterfly valves series ITG are designed for controlling the volume of gas to supply a modulating or two stage (progressive) burner. The actuating time depends on the type of actuator.

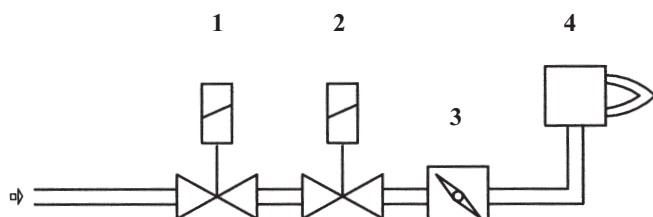
INSTALLATION NOTES

The butterfly valve must be installed between two flanges according to EN-1092. The length of the inlet and outlet section should be $2 \times DN$.

When built into a vertical pipe, dirt may accumulate on the stop bar, which may prevent the valve from closing properly.



Check for leak and function after installation.



Legend:

- 1 - Gas valve
- 2 - Gas valve
- 3 - ITG butterfly valve
- 4 - Burner

TECHNICAL DATA

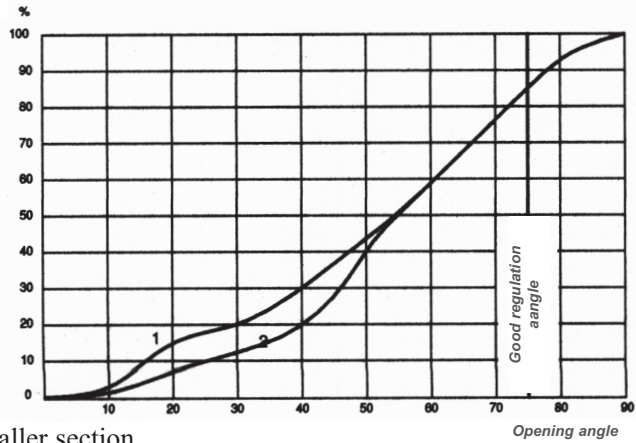
ITG

Max operation pressure	2000 mbar (200 kPa)
Ambient temperature	-20°C to +70°C
Adjusting angle	max.90°
Housing material	aluminium
Shaft material	stainless steel
Seals material	NBR (viton on request)

Legend:

- 1 - Standard butterfly valve
- 2 - ITALPUMP butterfly valve

SECTION-OPENING ANGLE

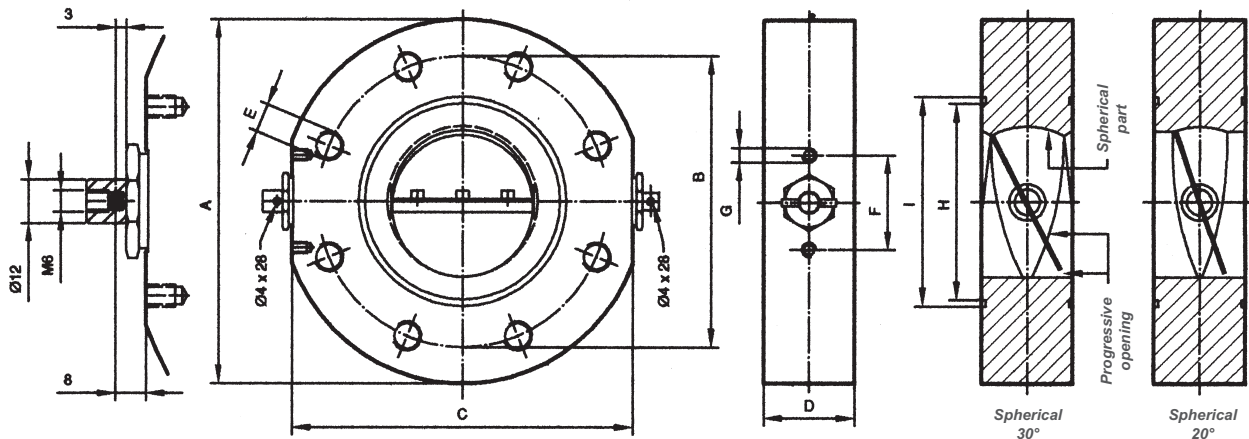


The diagram shows that the curve 2, up to 40°, has a smaller section.

The smaller section make easier the calibration of the burner with high modulating ratio, especially with LPG.

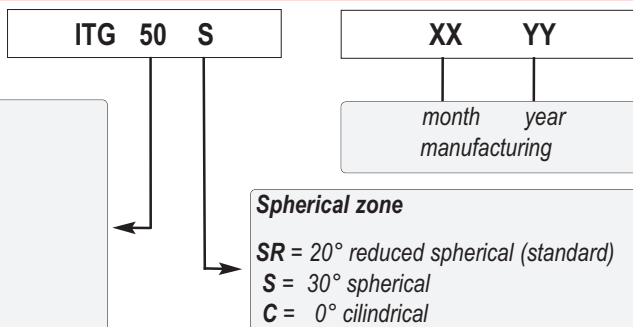
NOTE: In the selection of the correct butterfly valve size you have to consider higher pressure losses grant a better regulation, so according with the line pressure avoid to select butterfly valves with pressure losses 1 - 2 mbar.

DIMENSIONS OF THE VALVE



Type	Spherical	A	B	C	D	E	F	G	H/I -Oring
DN 50	30°	165	125	152	40	n°4 - M16	52	M6	92.8/100 - 2-154
DN 65	30°	185	145	173	44	n°4 - M16	52	M6	107.8/115 - 2-156
DN 80	30°	200	160	188	50	n°8 - M16	52	M6	107.8/115 - 2-156
DN100	30°	220	180	206	58	n°8 - M16	52	M6	144.8/152 - 2-162
DN125	30°	250	210	236	65	n°8 - M16	52	M6	144.8/152 - 2-162
DN150	30°	280	240	266	80	n°8 - ø 22 (on req. M20)	52	M6	184/193.6 - 2-263
DN200	30°	340	295	324	100	n°12 - ø 22 (on req. M20)	52	M6	240/259.6 - 2-272

IDENTIFICATION OF THE VALVE



Nominal diameter

- 50 = DN 50
- 65 = DN 65
- 80 = DN 80
- 100 = DN 100
- 125 = DN 125
- 150 = DN 150
- 200 = DN 200

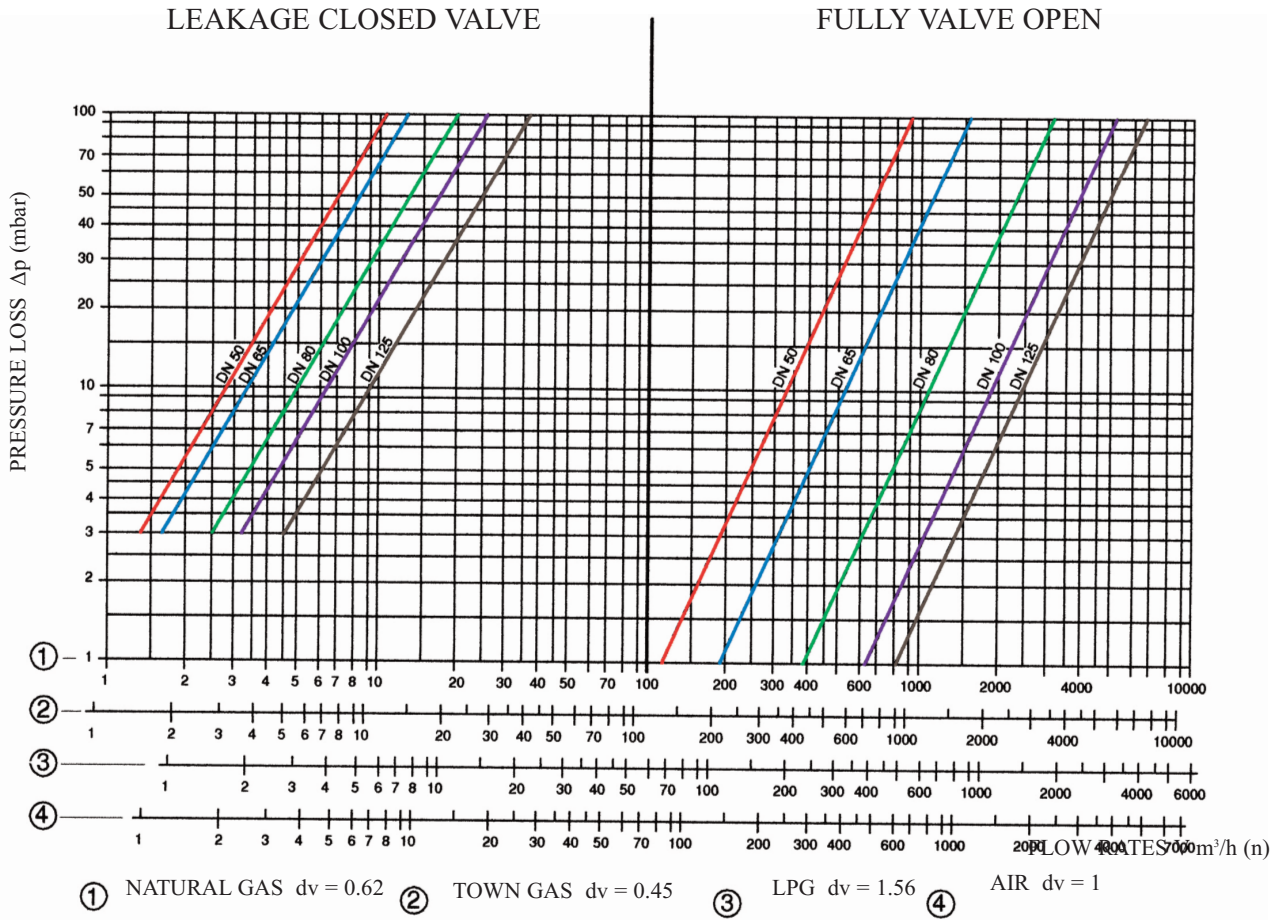
Spherical zone

- SR = 20° reduced spherical (standard)
- S = 30° spherical
- C = 0° cilindric

* Note:

- 0° - No spherical zone (cilindric)
- 30° - Spherical zone for high modulation ratio and LPG

DIAGRAM OF THE VALVE



APPLICATIONS WITH LEVER MECHANISM AND ACTUATOR

