

PRO Range

WAFER BUTTERFLY VALVE

USE

- heating/cooling systems
- systems using alternative energy
- industrial systems using hot and cold fluids
- automation plants
- irrigation systems
- waterworks



BUTTERFLY

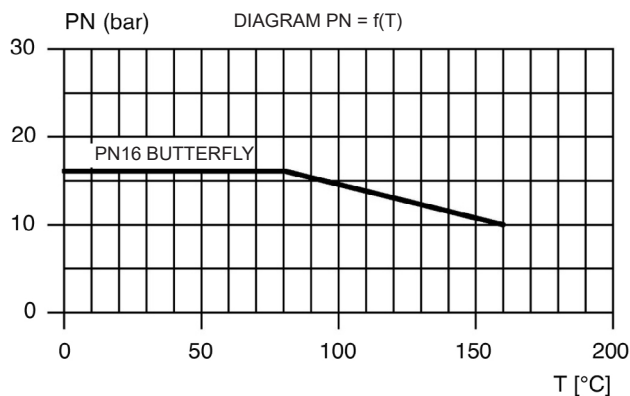
FUNCTIONS

The butterfly valves, in combination with the suitable actuator of the **PRO Range**, are used to intercept and regulate fluids.

TECHNICAL FEATURES

BALL VALVES

Cast iron butterfly



When the value of the flow is known, the general expression for the calculation of pressure losses is the following:

$$\Delta p [\text{bar}] = \left[\frac{Q [\text{m}^3/\text{h}]}{k_v} \right]^2$$

The expression provided applies to water or technically similar fluids.

FLUIDS
 NITRILE Untreated water - general industrial circuits
 EPDM Drinking water - EPDM compatible fluids

TEMPERATURES

	NITRILE
• Minimum	+5°C
• Maximum	+85°C

	EPDM
• Minimum	-10°C
• Maximum	+120°C



PRO Range

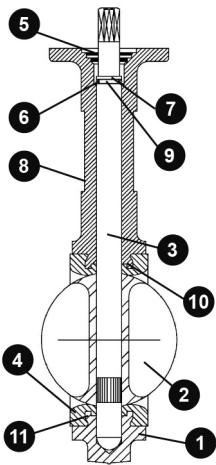
WAFER BUTTERFLY VALVE

VERSIONS AND HYDRAULIC FEATURES



DN	Connections	PS	PS max end of line	Kvs [m³/h]	To be combined with series
32	Wafer	16	12	62	COMPACT PRO
40	Wafer	16	12	62	COMPACT PRO
50	Wafer	16	10	79	COMPACT PRO
65	Wafer	16	12	174	UNIVERSAL PRO
80	Wafer	16	12	275	UNIVERSAL PRO
100	Wafer	6	4	496	UNIVERSAL PRO

MATERIALS USED

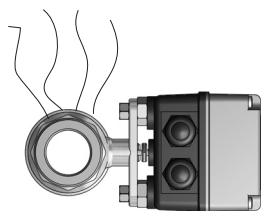


1	BODY	CAST IRON GG25 w/Epoxy powder coating
2	LENS	CAST IRON EN GJS 400-15 w/Polyamide coating
3	AXIS	STAINLESS STEEL 420
4	SLEEVE	EPDM OR NITRILE
5	SEALING RING	NITRILE
6	SEAL	NITRILE
7	RING	STEEL
8	RIVETED SIGNAGE PLATE	ALLUMINIUM
9	ANTI-EXTRUSION RING	PLASTIC
10	UPPER GUIDE BEARING	GALVANIZED STEEL + P.T.F.E.
11	LOWER GUIDE BEARING	GALVANIZED STEEL + P.T.F.E.

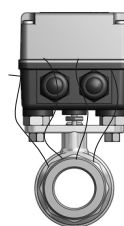
INSTALLATION

The valve shall not be installed with the actuator's connection facing downwards.

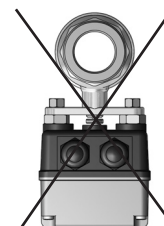
RECOMMENDED POSITION



ALLOWED POSITION



FORBIDDEN POSITION



CAUTION! Do not use high-pressure water directly on the actuator (e.g. a pressure washer)

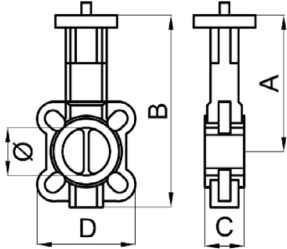


PRO Range

WAFER BUTTERFLY VALVE

OVERALL SIZE

BALL VALVE

	MODEL	DN	Ø	A	B	C	D
BUTTERFLY		32	1"1/4	130	187	32	144
		40	1"1/2	130	187	32	144
		50	2"	136	198	43	121
		65	2"1/2	145	229	46	136
		80	3"	151	240	46	127
		100	4"	175	281	52	153

ACTUATOR COMBINATION

The ball valves can be combined with all the IP67 and IP68 actuators in the **Compact PRO** and **Universal PRO** range, depending on their use.

BUTTERFLY



DN	Ø	FARFALLA
32	1"1/4	COMPACT PRO
40	1"1/2	COMPACT PRO
50	2"	COMPACT PRO UNIVERSAL PRO
65	2"1/2	UNIVERSAL PRO
80	3"	UNIVERSAL PRO
100	4"	UNIVERSAL PRO

COMPACT PRO

- COMPACT PILOT
- COMPACT SMART PRO
- COMPACT CLIMA
- COMPACT CRONO
- COMPACT PRO IP68
- COMPACT DC

UNIVERSAL PRO

- UNIVERSAL PILOT
- UNIVERSAL SMART PRO
- UNIVERSAL PRO IP68



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EXAMPLE OF SPECIFICATIONS

UNIVERSAL PRO ACTUATOR • ALL IN ONE, 2-point ON/OFF and 3-point ON/OFF or modulating, nominal torque: 40 Nm, power supply: 230V - 50/60 Hz, operating time: 55 sec / 90°, operating angle: 90°, protection degree: IP67, for 2 or 3-way ball valve, connection to ball valve via ISO 5211 F05/F07 connection, two auxiliary microswitches and manual override from the top.

BALL VALVE • GG25 cast iron butterfly valve, GGG40 cast iron lens coated with polyamide, nitrile sleeve, PS 16, wafer connections. Operating temperatures +5°C...+85°C. Fluid type: untreated water. Connection to actuator with ISO 5211 connection.

Version: 2-way butterfly PS 16, DN50 - 2" - Kvs 79.

Brand: **COMPARATO**

Code: **UY222AF2G6**

UPDATED DATA SHEETS AVAILABLE AT www.comparato.com

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