

## Butterfly valve RAPIDO

The 100% gastight RAPIDO butterfly valve meets the highest safety standards and is used in a wide range of applications. It features the PERFEKT concept as well as a durable, compact plus robust design.

### Your added value:

- 100% gastight and with PERFEKT when installed
- Planning and installation flexibility thanks to very space-saving and robust design
- Configuration according to your needs – individually selectable housing and sealing materials as well as various drive options (manual, electric or pneumatic)
- Durable and good chemical resistance (e.g. hydrogen peroxide)
- Highest process performance thanks to low pressure drop
- Efficient and simple servicing with standardised spare parts
- Standard sizes to DN1000 and larger nominal sizes available on request

### Operating principle:

The RAPIDO butterfly valve controls the flow of a medium in the pipe. When the valve is in the fully open position, the medium flowing through is not regulated. If the valve is moved to the closed position, the circulation is inhibited or completely stopped.

When closed, a 100% gastight seal of the two pipe sections is ensured by means of a butterfly valve seal. In the area between the pipe and valve housing, tightness is ensured via integrated flange seals.



**RAPIDO with hand gear** for manual operation:

- Drive orientation selectable



**RAPIDO with electric drive:**

- Selectable configuration
- Drive orientation selectable

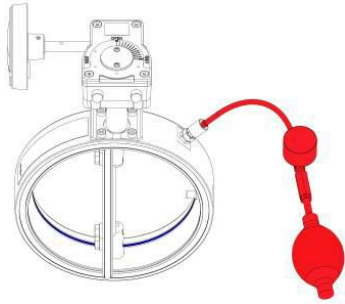


**RAPIDO with pneumatic drive:**

- Selectable configuration
- Drive orientation selectable

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### PERFECT – The test system:



The PERFECT test system allows the 100% tightness of the valve to be checked at any time, even when installed, by means of a test groove integrated in the valve housing. For this purpose, pressure is built up on the test groove via a hand pump with quick coupling. A possible leakage can be detected by means of a pressure gauge.

RICO tests all valves for leakage before delivery. The test is carried out in accordance with [DIN EN 12266-1 Leakage rate A<sup>1</sup>](#).

### Specifications and design:

Available nominal sizes:

- DN50 – DN1000<sup>2</sup>
  - Housing made of aluminium AW6082 and butterfly valve made of stainless steel 1.4404
  - Butterfly valve and housing made of stainless steel 1.4404
- DN80 – DN300
  - PP plastic

Housing and butterfly valve materials:

- Aluminium AW-6082 and stainless steel 1.4404
  - Colourless anodised
  - Black anodised
- Plastic PP (FDA; natural colour)
- Stainless steel 1.4404
- Stainless steel 1.4301 for DN600 - DN1000

Drives:

- Handwheel
- Electric
- Pneumatic

Sealing materials:

- EPDM
- FKM

Optional attachments:

- Solenoid valve
- Switch incl. switch cam
- Position controller

Min./Max. Operating temperature:

- Aluminium EN AW-6082 and stainless steel 1.4404: +5°C to +100°C
- Plastic PP: +5°C to +40°C
- Stainless steel 1.4404 +5°C to +100°C

<sup>1</sup> For further information on conformity to standards see document GD0469DE

<sup>2</sup> Larger nominal diameters on request

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### Permissible pressure loads<sup>3</sup>:

Housing and butterfly valve	DN80 - DN400	DN450 - DN700	DN800 - DN1000
Aluminium AW-6082 and stainless steel 1.4404	≤ 0.50bar	≤ 0.30bar	≤ 0.20bar
Stainless steel 1.4404			
Housing and butterfly valve	DN80 - DN150	DN200 - DN250	DN300
Plastic PP	≤ 0.20bar	≤ 0.15bar	≤ 0.10bar

### ATEX

RICO Sicherheitstechnik AG can optionally issue a declaration of conformity in accordance with Directive 2014/34/EU. The applicable EPL and marking depend on the specific configuration.

### Further and supplementary information:

- KB0003GB\_Betriebsanleitung RAPIDO (Operating Instructions RAPIDO)
- KT0004GB\_Technische Dokumentation RAPIDO (Technical Documentation RAPIDO)
- KD0012GB\_Transportverpackung RAPIDO (Transport Packaging RAPIDO)
- KT0020GB\_Druckabfall (Pressure Drop)
- GD0469DE\_Normkonformität gasdichte Absperrklappen (Standards Conformity: Gastight Butterfly Valves)

This document is for information purposes only and is not applicable to all installation situations and versions of the product. Please feel free to contact us for further and more detailed information.

<sup>3</sup> In accordance with the DIN 12266-1 standard, the specified pressures are tested with +10% safety.