

Butterfly valve QUADRO

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 1000x1000 and larger nominal sizes available on request

Operating principle:

The QUADRO 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.



QUADRO with hand gear for manual operation:

- Drive orientation selectable



QUADRO with electric drive:

- Selectable configuration
- Drive orientation selectable

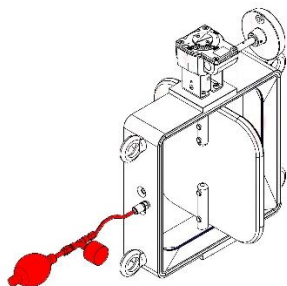


QUADRO with pneumatic drive:

- 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 A¹](#).

Specifications and design:

Available nominal sizes:

- 140x140 - 1000x1000²

Housing and butterfly valve materials:

- Aluminium AW-6082 and stainless steel 1.4301
 - colourless anodised
 - black anodised
- Aluminium AW-6082 (Housing and butterfly)
- Stainless steel 1.4301 (Housing and butterfly)
- Stainless steel 1.4404 (Housing and butterfly)

Drives:

- Handwheel
- Electric
- Pneumatic

Sealing materials:

- EPDM
- FKM

Optional attachments:

- Solenoid valve
- Switch incl. switch cam
- Position controller
- Rotation damper
- Lever linkage

Min./Max. Operating temperature:

- Aluminium EN AW-6082 and stainless steel 1.4301: +5°C to +100°C
- Aluminium EN AW-6082: +5°C to +100°C
- Stainless steel 1.4301 +5°C to +100°C
- Stainless steel 1.4404 +5°C to +100°C

¹ For further information on conformity to standards see document GD0469DE

² For nominal sizes >1000x1000, the valve disc is divided into two or four segments.

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Permissible pressure loads³:

Housing and butterfly valve	<12,5dm ²	>12,5dm ² until <40dm ²	>40dm ² until <80dm ²	>80dm ²
Aluminium	≤0.5bar	≤0.5bar	≤0.3bar	≤0.2bar
Stainless steel 1.4301 (V2A)/ 1.4404 (V4A)				

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:

- JD0003GB_Betriebsanleitung QUADRO (Operating Instructions QUADRO)
- JT0004GB_Technische Dokumentation QUADRO (Technical Documentation QUADRO)
- JD0012GB_Transportverpackung QUADRO (Transport Packaging QUADRO)
- JT0020GB_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.

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