Gastight Circular Shut-Off Damper, Type GD-C

Krantz Filter Systems and Dampers
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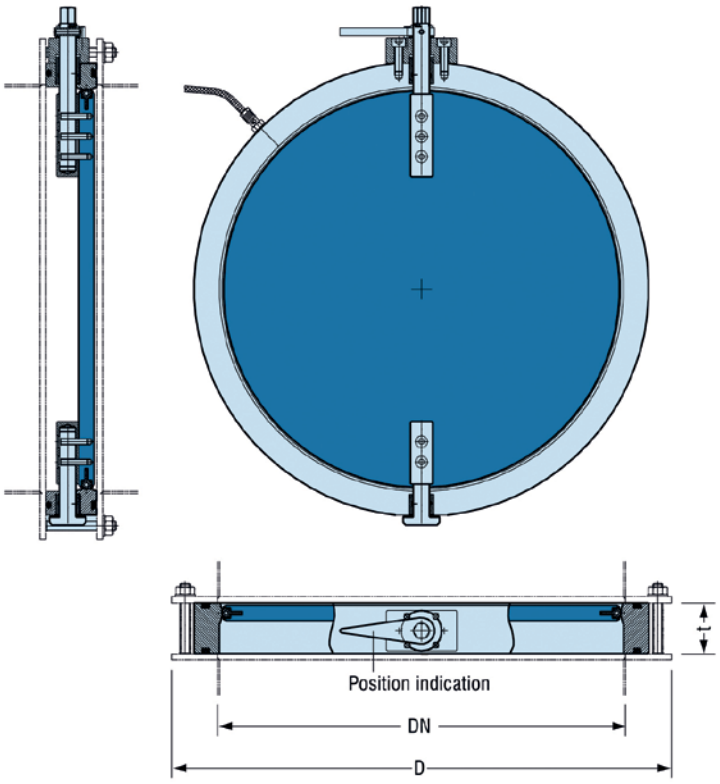
Gastight Shut-Off System

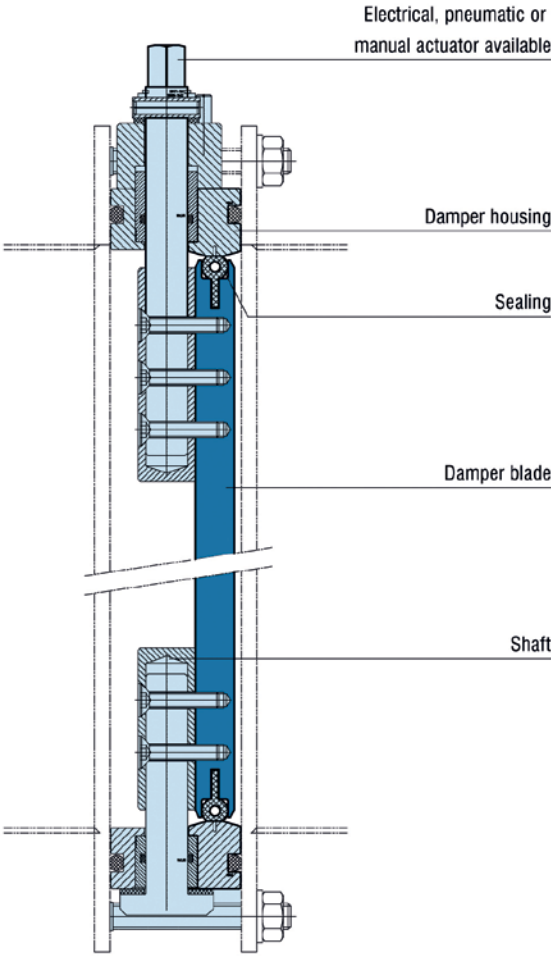
Gastight Circular Shut-Off Damper, Type GD-C

in solid and maintenance-free design, provided for systems with high tightness requirements.

- The actual leakage rates for housings and seat of damper blade are much lower than specified in the requirement according to DIN 25 496.
- The damper is designed to operate without any failure at an operating pressure of 1.1-times of the admissible operating pressure of the damper.
- The tightness of seat of damper blade is testable in built-in situation.
- For maintenance purposes, e.g. lubricating if required, there is no dismantling of the damper from the duct system necessary.
- All media touched parts are welded continuously and without gaps to ensure an easy decontamination.

Dimensions





DN	D	t
150	225	36
200	275	47
250	330	47
300	380	47
350	445	60
400	495	60

Text for tender

Design

Butterfly valve with robust damper housing made of stainless steel, material 1.4301 (AISI/SAE 304), in gastight design according to the tightness requirements of DIN 25 496, table 3.

Test groove according to DIN 1946-4 resp. KTA 3601 to proof the required leakage of seat of damper blade. In order to proof the leak free seat of the damper blade connect the test groove to the seal test device via fast acting coupling, positioned at the front side on the damper housing.

Circular damper blade made of stainless steel, material 1.4301 (AISI/SAE 304).

Transmission of force to damper blade for the opening- and/or closing process by means of outside positioned actuator and shaft. Gas-tight shaft transition through housing. Shaft sealing made of viton.

Electrical-, pneumatic- or manual actuator available. Emergency actuating by means of hand wheel.

Technical data

Fabricate:	Krantz
Type:	GD-C
Dimensions:	DN 150 – DN 400
Actuator:	electrical / pneumatic / manual
Adm. operation temperature:	up to + 100 °C
Adm. operation pressure drop:	10 000 Pa
Adm. leakage rate damper blade incl. seat of damper blade acc. DIN 25 496:	10 l / (h · m²) at 1 bar, 20 °C and Δp = 2 000 Pa
Adm. leakage rate housing incl. shaft transition acc. DIN 25 496:	10 l / (h · m²) at 1 bar, 20 °C and Δp = 2 000 Pa

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