Text for tender

Gastight Rectangular Shut-Off Damper, Type S

* in solid, maintenance free design
* Housing, damper seat and actuator insertion gastight. Allowable leakage rate 10 l/h · m2 at a pressure difference of 20 mbar acc. DIN 25496 Tab. 3
* Damper blade with sealing profile from silicone rubber. Tightness of the damper seat by means of inflating of a silicon tube which presses the sealing profile against the damper housing
* Sealing profile designed with double lips for testing the damper seat tightness from outside by means of a tight seat testing equipment
* Housing with connection frames on both sides
* Housing, damper blade, damper shaft and actuator rods made from stainless steel 1.4541
* Double-acting pneumatic cylinder for damper blade operation
* Two limit switches for signalization of damper position "open" and "close"
* Control unit for opening resp. closing the damper as well as for inflating resp. venting the silicon tube. The control unit is placed on the head of the pneumatic cylinder.

Technical data:

* Fabricate: Krantz
* Type: S
* Admissable operating pressure for housing: ±10 000 Pa
* Admissable differential pressure for damper blade in both directions : ±10 000 Pa
* Design temperature: –20 °C up to +120 °C
* Admissable leakage rate (related to housing surface resp. damper cross section):
 $10\frac{dm^{3}}{m^{2}h}$ at p = 2 000 Pa
* Medium supply, compressed air, oil free and waterless: positive pressure 3 bar
* Current: 230 V, 50 Hz
* Position indication “open” and “close”
– Mechanical: Position indicator
– Electrical: 2 limit switches
* Actuator: Pneumatic
* Regulation time: 30 s, longer times adjustable
* Material
– Housing: 1.4541 (AISI/SAE 321 or B.S. 321 S12)
– Damper blade: 1.4541 (AISI/SAE 321 or B.S. 321 S12)
– Damper sealing: Silicone

Subject to technical alterations.

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