Text for tender

Non Return Damper, Type RK-E20

* For shutting off air ducts at reverse flow
* Robust construction to withstand pressure 10 % higher than admissible operation pressure without impact on function
* All weldings are made according to DIN  25 496, item 6.2(4), that means using stabilised steel at austenitic material, e.g. material 1.4541 (AISI/SAE 321 or B.S. 321 S12) and using reassured steel at ferretic material
* All media touched parts are welded continuously and without gaps to ensure an easy decontamination
* The special design of the damper prevents the lamellae from fluttering
* The tightness requirements according to DIN 25 496 will be fulfilled

Design

* Robust and maintenance-free construction
* Damper housing in screwed construction with C-profiles
* Arrangement of flow-separating plates at escape side of damper to create single ducts behind each lamella to avoid transmission of impulse between partial air flows
* Lamellae made of silicone
* Reinforcing angle on incoming flow side and plate on back side of lamella to reinforce and stabilize sealing surface of lamella. Design of reinforcing angle as tear-off edge of air flow to guarantee a stable position of opened lamella

Material

Damper housing and separating plates:  
 galvanized steel or  
 stainless steel 1.4541 (AISI/SAE 321 or B.S. 321 S12)

Reinforcing angle and back plate: Aluminium

Lamellae: Silicone

Technical data

* Fabricate: Krantz
* Type: RK-E20
* Adm. operation temperature: 90 °C
* Dimension (W/H): see table page 4
* Total depth of damper: 360 mm
* Adm. leakage rate of damper housing acc. DIN 25 496 (outer tightness): 10 l/(h · m²) at 1 bar, 20 °C and Δp = 2 000 Pa
* Adm. leakage rate of damper housing acc. DIN 25 496 (inner tightness): 2 % of nominal air flow at 1 bar, 20 °C and Δp = 2 000 Pa

Subject to technical alterations!

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