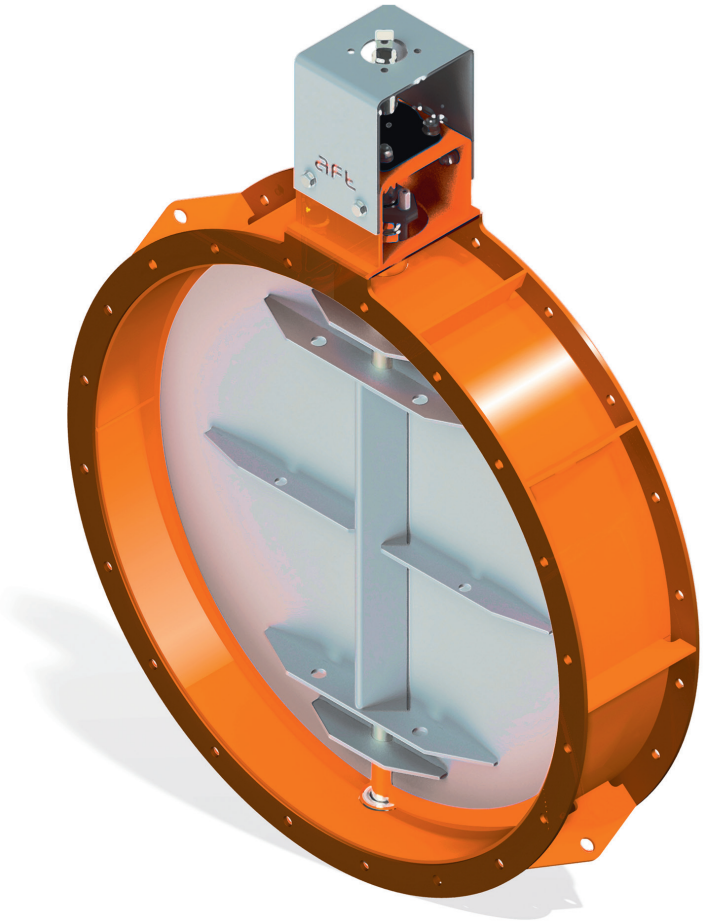
AFT-DV Damper Valves

"each of our damper is tailor made for the customer"

Applications

1 Actuator support
2 Nameplate ID
3 Bolting and fasteners
4 Bearing
5 Push stuffing box
6 Gland packing
7 Bearing support
8 Body
9 Limit bar (sealing line)
10 Slide gland packing
11 Slide bearing
12 Sealing end-plate
13 End-plate
14 Shaft connection
15 Main shaft
16 Disc
17 Free-end shaft



Technical description

Damper valves type **AFT-DV** serve for the shut-off and/or flow regulation of medium (air or process gas). Such valves find application in flue gas extraction installations, flue gas desulphurization, gas utilization SO2, SO3, NOx, dedusting of furnaces, glass factories, metallurgical plants for copper, zinc, plumb as well as cement factories and others.

The construction is of welded nature, discs can be joined with shafts by welding (fixed pins) or by pins (dismountable discs).
For special high temperature applications ceramic lining inside the body is available according to customer requirements.

Product properties:
range of diameters: Ø 50 mm – Ø 10 000 mm
(and other sizes on request)

Connection to duct:
- by flanges acc. to DIN 24154
- by flanges acc. to PN6, PN10, PN16 (acc EN1092-1)
- custom-made acc. to customer requirements (ANSI / GOST / OTHER)
- welding-ends
- rounded flanges for fiber compensator connection

Design and working parameters:
- design pressure < 0,5 bar
- design pressure < 3,0 bar (with PED Directive)
- design temperature -30°C do +750°C (max up to 1100°C)
- other temperatures on request, possibility to use isolation, concrete or ceramic lining etc.

Actuator connection:
- according to ISO 5211
- custom-made acc. to customer requirements
- adapted to work with customer actuators or on site actuators

Coating:
- Carbon steel elements:
  RAL 2008 as standard with epoxy primer
- Stainless steel elements:
  acid treatment and passivation
- other on request, all painting systems acc. to EN ISO 12944, systems C2 up to C5 - industrial/marine

Applicable directives:
- Declaration of Conformity in compliance with Machinery Directive
- CE Directive
- Declaration of Conformity in compliance with EU Directive
- ATEX Directive (all groups and zones)
- PED Directive

Tightness class:
- possible class I, II and III acc. to FCI 70-2 (ex ANSI B16.104)
- possible geometrical tightness from 95% up to 100% (see datasheet Materials & Sealings)
- possible 100% tightness with sealing air systems (see datasheet AFT-DV-T/DB)

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