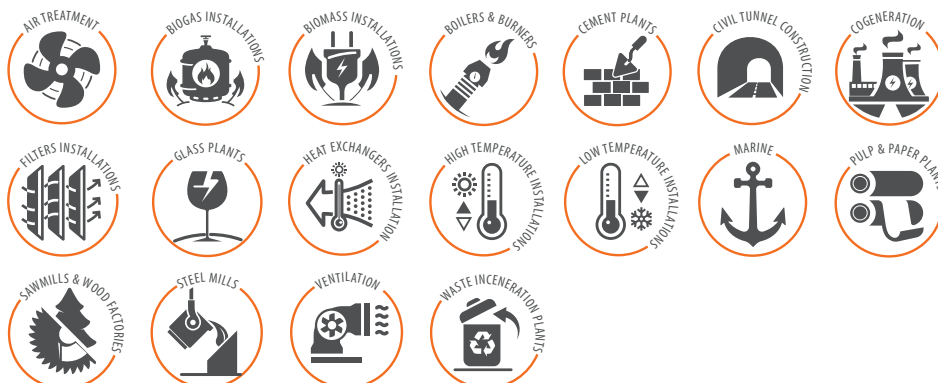
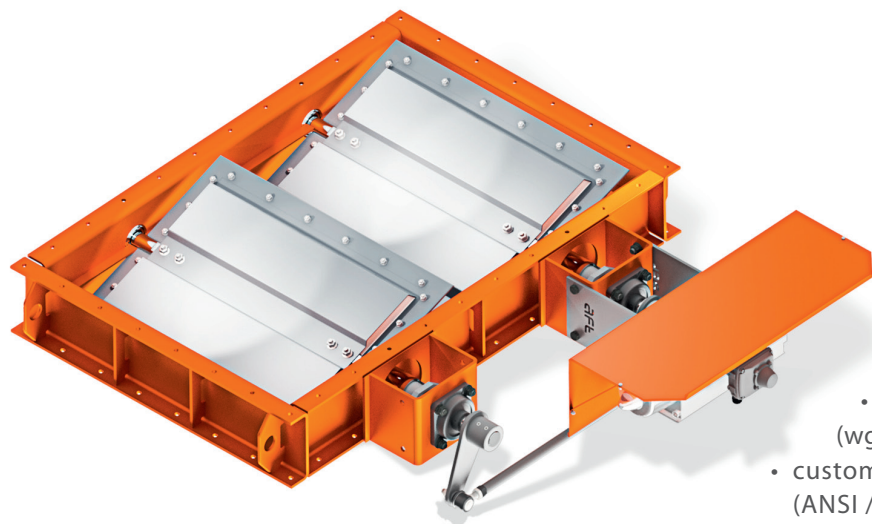


“each of our damper is tailor made for the customer”

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-drive lever
- 15 Pull rod with joints
- 16 Main shaft
- 17 Disc
- 18 Free-end shaft
- 19 Connection lever
- 20 Disc sealing line



Connection to duct:

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

Technical description

Damper valves type AFT-LDV serve for the shut-off and/or flow regulation of media such as air and process gas. Such valves find application in installations such as flue gas extraction, flue gas desulphurization, gas utilization SO₂, SO₃, NO_x, dedusting of furnaces, glass factories, metallurgical plants for copper, zinc, plumb as well as cement factories, etc.

The construction is of welded nature, blades can be joined with shafts by welding (fixed blades) or by pins (dismountable blades).

Depending on the strength calculation such valves (in particular louver types) can be executed as divided into segments with shaft supports inside the ducts. The driving torque is transmitted to the second blades segment. Taking into account the plant requirements and valve function, the valve can be delivered as quick-closing or quick-opening by using special fail-safe or fast acting actuators.

Dampers of large dimensions are designed and manufactured in modules, which enable standard truck transportation in segments and are mounted on site.

Product properties:

range of dimension (WxH):
50 x 50 mm – 12 000 x 12 000 mm
(other sizes on request)

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)

Tightness class:

- possible class I, II and III according 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 for Tandem Damper AFT-LDV-T)

