

Pos.	Stück	Leistungsbeschreibung	E-Preis	G-Preis
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10 1 **PRIOAIR SD-RDA-V**
Smoke extraction damper for use in smoke protection pressure systems according to EN 12101-8

Large-format, single-leaf, fire-resistant smoke damper, specially designed to seal off outflow shafts as part of a smoke pressure system. The goal of using these is to keep safety stairwells free from smoke. In case of a fire, the controller of the on-site smoke pressure system opens the smoke damper automatically. Large cross-sections offer a free, unimpeded outflow area for flue gases. The closure is smoke proof and offers a fire resistance rating of over 90 minutes.

PRIOAIR SD-RDA-V is classified for vertical installation in walls and ducts and thus has the classification V_{edw} (d = duct smoke extraction duct, w = wall, wall - part of the smoke extraction duct) required for installation in shaft walls and offers an outflow area of up to 1.74 m² at pressure stage 2 in the largest dimension.

Function

- Performance level according to MVV TB 2023/1:
EI90(V_{edw} i<->o)S1000C₁₀₀₀₀
- Smoke extraction damper according to EN12101-8
- Fire resistance 90 minutes EI90
- Fire from inside, fire from outside
- Pressure suction – pressure stage 2 1000 Pa
- Automatic motorised release AA
- Smoke protection – circumferential fire and smoke protection seals
- Tight seal

Installation and assembly

- Vertical, flush installation in solid walls for smoke extraction, also in connection with smoke extraction ducts according to EN 12101-7, tested according to EN 1366-8 or EN 1366-9
- Flush installation in PRIOWALL and GKF shaft wall
- Installation in duct / vertical line
- Raised installation
- Mounting frame included

Opening and closing

- Large free outflow area in relation to the installation opening
- Opening and closing via high-quality chain drive
- Emergency release
- Easy unlocking of the cover frame (standard version with screw connection)
- Large opening angle (75°)
- Quick opening and closing of the smoke control damper,
- Speed approx. 10 mm/sec.
- Opening after approx. 35 seconds
- Pressure loss coefficients ζ determined by the Institute for Industrial Aerodynamics (I.F.I.) and available on request

Drive

- Bolt drive for additional locking (multi-point locking)
- Opening and closing by chain drive
- Connection cable chain drive 6-pole, (2 wire pairs each for

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- drive, end positions and programming)
- System voltage 24 V DC
- Adjustment of the chain drive via software
- Automatic reversing in case of overload (reversal of the direction of movement when an obstacle is detected)

Material & Surface

- Standard surface light grey, similar to RAL 7035, edges and chamfers dark
- Different surface designs - from décor to primer film, paint
- Surface can be plastered over/coated according to manufacturer's instructions

Look

- No visible bands from the corridor side
- No visible drive from the corridor side
- One-piece frame cover without joints
- Optionally with suspended frame cover (without visible screw connection)

Quality

- Declaration according to DGNB, LEED and BNB
- Production exclusively "Made in Germany"
- All tests by renowned test institutes within Germany

Sizes

- Single-leaf manhole cover
- Nominal sizes from 620 x 1050 mm to 1000 x 2500 mm (W x H)

Options

- Special version without visible screws

Surface:

Options:

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Typ: PRIOAIR SD-RDA-V

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