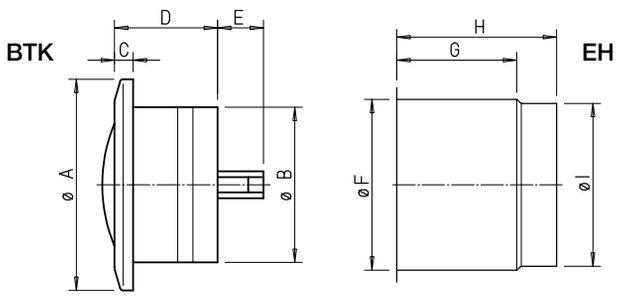
BTK

EU Certificate of
Constancy of Performance
0749-CPR-BC1-606-0464-15650.69-2517



Dimensions BTK



Dim. in mm see table

Fire dampers are construction products according to the European Construction Products Regulation.
They have an official Certificate of Constancy of Performance and a Declaration of Performance according to European construction law.

Application
Fire damper to prevent the spread of fire and smoke.
For installation in walls, ceilings or ventilation shafts which serve as fire sections with the required fire resistance class EI 90 S.
Suitable for wall and ceiling installation or as overflow openings.
Can be inserted in spiral ducts.
Installation sleeve EH (accessories) recommended for one-sided duct connection.

Function
When an air temperature of +72 °C is exceeded, the fusible link responds. The built-in pressure spring automatically closes the valve.

European certification
- ☐ Declaration of Performance according to European Construction Products Regulation 305/2011.
- ☐ Tested according to EN 1366-2.
- ☐ Classification according to EN 13501-3: EI 90 (ve, ho, i↔o) S – (300 Pa). Room closure and insulation 90 min., vertical, horizontal, applicable in both directions, sealed against 300 Pa, even during fire.
- ☐ Complies with European product standard DIN EN 15650.

Special features
- ☐ Installation directly in spiral duct in the room-closing component.
- ☐ Officially tested fire protection disc valve with low air noise in case of high pressure drop.
- ☐ High damping value.
- ☐ Attractive, functional design.
- ☐ Simple adjustment, which cannot be changed by unauthorised persons, reduces the work load.
- ☐ Easily removable for inspection and cleaning, without unauthorised adjustment being possible.
- ☐ Large operating range.

Design
Valve body made of plastic, aerodynamically optimal design with inner cone and inlet ring. Cylindrical duct sleeve with butterfly valve and integrated fusible link.

Delivery
Individually shrink-wrapped in plastic film.

Installation and setting
- ☐ The installation and operating instructions contain exact specifications with regard to application and installation.
- ☐ The specifications in the related approval must be observed.

Installation examples
- ☐ **Duct installation in walls or ceilings**
The element is installed by simple insertion in the spiral duct or in the installation sleeve EH (accessories) and then fixed in the wall, ceiling or shaft wall. Installation is possible regardless of the air flow direction. Subsequent one-sided duct connection.

- ☐ **Overflow opening**
Without one-sided or double-sided duct connection, as overflow opening, can only be installed where there is no reason to fear smoke overflow below the trigger temperature. Approval required from building inspection authority in individual cases.

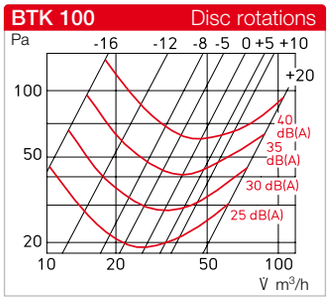
Accessories

End switch
For BTK monitoring and signalling the operating status to the central building management system. Attachable to all ND, simple snap-in installation.

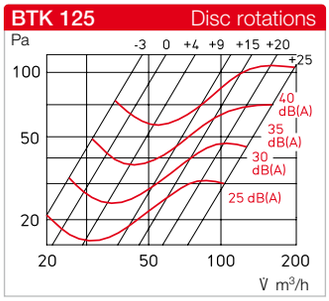
BA-S	Ref. no. 02585
Switch as changeover contact	IP 67
Max. load	5 – 250 V / 6 A (2 A ind.)
Connect. cable 50 cm long / 3 x 0.34 mm²	
Wiring diagram no.	830



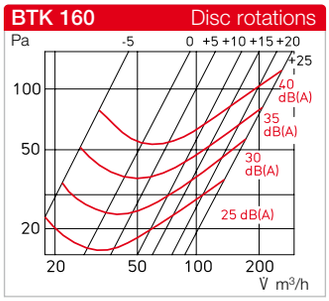
BTK 100 Disc rotations



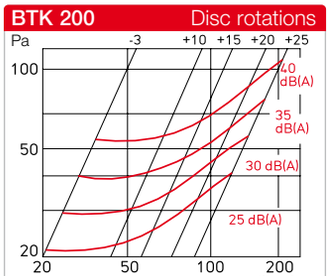
BTK 125 Disc rotations



BTK 160 Disc rotations



BTK 200 Disc rotations



Order data

								Accessories:						
Type	Ref. no.	Dimensions in mm Ø A	Ø B	C	D	E	Weight aprx. kg	**Installation sleeve**	Ref. no.	Dimensions in mm Ø F	G	H	Ø I
BTK 100	02633	150	98	19	129	20	0.45	**EH 100**	02639	100	110	140	98
BTK 125	02630	165	123	19	129	33	0.60	**EH 125**	02640	125	110	140	123
BTK 160	02631	220	158	19	129	51	0.85	**EH 160**	02641	160	110	140	158
BTK 200	02632	245	198	19	129	71	1.20	**EH 200**	02642	200	110	140	198