



**QUIET**



**SAFE**



**RETRO-FIT POSSIBLE**

## BKA-EN shut-off device

- no rabbet - unequalled quietness



Air outlets  
Air-water systems  
Ventilation grilles

**Fire protection**

Sound insulation

## BK-188 shut-off device

- with steel plate flap leaf



Building control equipment  
Living room ventilation  
Shut-off devices

Control units

Filter outlets

Laboratory ventilation systems



## BKA-EN shut-off device

The quietest shut-off device on the market

- used in air-conditioning equipment
- tested in accordance with DIN EN 1366-2 and in association with DIN EN 1363-1
- classification K90 (EI90 (ve, ho,i↔o)S).
- connection to flammable and non-flammable ducts
- installation is possible regardless of air direction
- Abmessungen: BxH 200x200 bis 1500x800
- dimensions: W x H 200 x 200 up to 1,500 x 800
- steel plate housing –galvanized (1.25 mm).
- closing vane: glass-fibre reinforced lightweight concrete with surrounding hose seals („cold“) and intumescent („hot“) seals.
- installation locations:
  - in solid walls/ceilings
  - in lightweight partition walls according to DIN 4102-4, Table 48
  - outside/remote from walls
  - flange-flange
  - partial mortaring (e.g. in corners)
- housing dimensions based on DIN EN 1505, it may be possible to omit transition pieces



BKA-EN shut-off device

Accessories/versions: 98° trigger temperature, stainless steel material no. 1.4301 / 1.4571, corrosion protection painting with DD-PU paint, spring return drive electrical (24/230 V AC DC)/pneumatic (6 bar), mechanical/sensor-based position indicator.

Price/performance comparison between the BKA-EN and the BK-188															
BK-188							BKA-EN							Difference €	BKA-EN cheaper in %
Dimensions		Technical data				Price according to Luft 2007 list	Dimensions		Technical data				Price according to Luft 2007 list		
W (mm)	H (mm)	V <sub>inlet</sub> (m <sup>3</sup> /h)	V <sub>frontal</sub> (m/s)	Δpt (Pa)	Noise Power [dB(A)]		W (mm)	H (mm)	V <sub>inlet</sub> (m <sup>3</sup> /h)	V <sub>frontal</sub> (m/s)	Δpt (Pa)	Noise Power [dB(A)]			
503	503	5000	5.3	13	47	359.00 €	500	400	5000	6.9	30	47	338.00 €	21.00 €	-6%
711	711	10000	5.4	9	47	466.00 €	700	600	10000	6.6	25	47	443.00 €	23.00 €	-5%
1003	797	15000	4.9	6	45	585.00 €	800	800	15000	6.5	13	41	517.00 €	68.00 €	-12%

# BK-188

## BK-188 shut-off device

Galvanised steel plate closing vane greatly reduces abrasion of the flap leaf

- used in air-conditioning equipment
- tested according to DIN EN 4102-6
- classification K90
- vertical or horizontal installation
- connection to non-flammable ducts
- installation is possible regardless of air direction
- dimensions: W x H 201 x 201 up to 1,500 x 797
- steel plate housing – galvanized
- closing vane: clad in steel-plate
- installation locations:
  - in solid walls/ceilings
  - remote from walls/ceilings
  - directly in front of walls/ceilings
  - in lightweight partition walls according to DIN 4102-4, Table 48
  - in duct walls
  - in wood joist ceilings.
  - flange-flange
  - partial mortaring (e.g. in corners)



BK-188 shut-off device

### Accessories/versions:

98° trigger temperature, stainless steel material no. 1.4301 / 1.4571, corrosion protection painting with DD-PU paint, spring return drive electrical (24/230 V AC DC)/pneumatic (6 bar), magnetic, mechanical/sensor-based position indicator.

## SCHAKO BKA-EN shut-of device – the quietest flap on the market

Exhibition report Comparison; pressure drop and noise																										
Flow noise																										
Dimensions		Noise level in dB																								
W: 400mm H: 400mm		Frequency																								
Type:	$V_{\text{frontal}}$ (m <sup>2</sup> /s)	$V_{\text{inlet}}$ (m <sup>3</sup> /h)	P stat. (Pa)	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	Noise Power [dB(A)]	
SCHAKO BKA-EN without closing grille	5	2880	4,5	36	30	31	30	29	30	23	25	20	19	18	20	23	19	16	<	<	<	<	<	<	<	<b>32</b>
SCHAKO BKA-EN with closing grille	5	2880	14	37	33	34	35	35	37	32	33	30	28	27	25	27	24	23	20	17	15	<	<	<	<b>38</b>	
Trox FKX90 without closing grille	5	2880	15	40	37	40	39	37	37	36	36	35	35	35	33	31	28	26	21	17	14	<	<	<	<b>43</b>	
Trox FKX90 with closing grille	5	2880	22	41	38	41	40	40	40	39	40	40	40	40	38	35	33	31	27	23	18	14	<	<	<b>47</b>	
Trox FK-K90-LD without closing grille	5	2880	7	41	34	34	33	30	32	28	26	26	23	23	22	20	19	19	14	<	<	<	<	<	<b>34</b>	
Trox FK-K90-LD with closing grille	5	2880	17	39	35	36	36	36	36	34	35	35	34	33	30	28	26	25	21	17	15	14	<	<	<b>42</b>	
Wildeboer FK90 without closing grille	5	2880	12	38	35	37	35	34	34	33	33	33	30	29	28	27	25	23	20	16	14	<	<	<	<b>39</b>	
Wildeboer FK90 with closing grille	5	2880	14	45	41	42	40	39	40	38	39	39	36	36	36	34	33	31	28	25	23	20	18	17	<b>44</b>	