V-750

PRESSURE RELIEF DAMPER

VARIANTS

VF750, NF750, VU750

The aluminium pressure relief damper can be used for positive (V-750) or negative (N-750) pressures. Mounting possible in the wall (-F750) or in between rectangular ducts (-U750). They are used as non-return dampers in airhandling systems to prevent air from flowing against the intended airflow direction. When the airhandling system is turned off, the blades close due to their own weight. The blades have an acoustic joint and are running in nylon bushings. In order to prevent the blades from rotating, a blade stop has been provided. Distance of the blades is 75mm.

Non-return damper for positive or negative pressures

Wall- or duct mounting

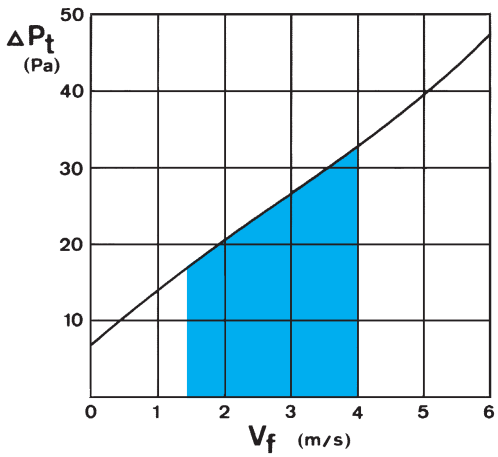
Distance of the blades is 75mm

RECTANGULAR WALL 1 WAY THROW TRANSFER

TECHNICAL INFORMATION

APPLICATION	Type	V-750: Positive pressure N-750: Negative pressure
CONSTRUCTION	Center distance between blades	75mm, automatic closing without additional energy
	Min. Length	200mm
	Max. Length	1800mm
	Available steps in length	25mm
	Min. Height	200mm
	Max. Height	1800mm
	Available steps in height	25mm
MATERIAL	Standard material	Blades: Aluminium mill finish Wall flange -F750: Anodized aluminium Duct flange -U750: Galvanised steel (275 g/m²)
	Product finishing options	/
OPTIONS	Mounting options	Wall flange -F750: With pre-drilled screw holes in the frame Duct flange -U750: Without screw holes, the frame has to be drilled on site

PRESSURE LOSS



= Recommended air velocities

ΔP_t = Total pressure loss in Pa
v_f = Air velocity in the duct (m/s)

PRODUCT KEY

PRESSURE RELIEF DAMPER

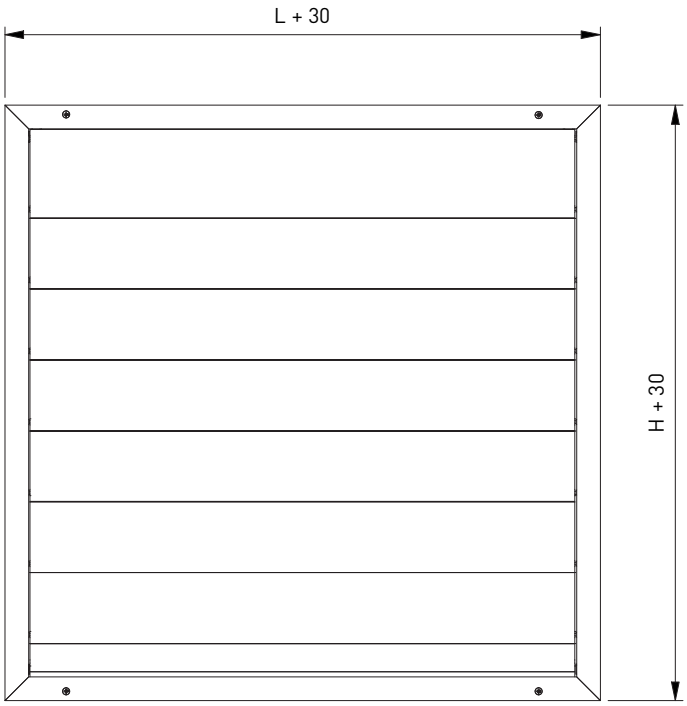
V	F	7	5	0	0	5	0	0	0	5	0	0

Nominal length L (mm): From 200 to 1800mm, per 25mm

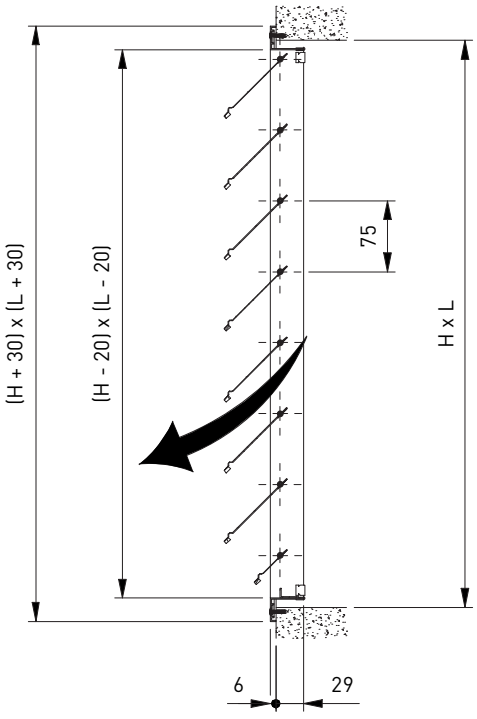
Nominal height H (mm): From 200 to 1800mm, per 25mm

F: Frame width 25mm, screw fixing
U: Mounted in U-frame with 40mm flange

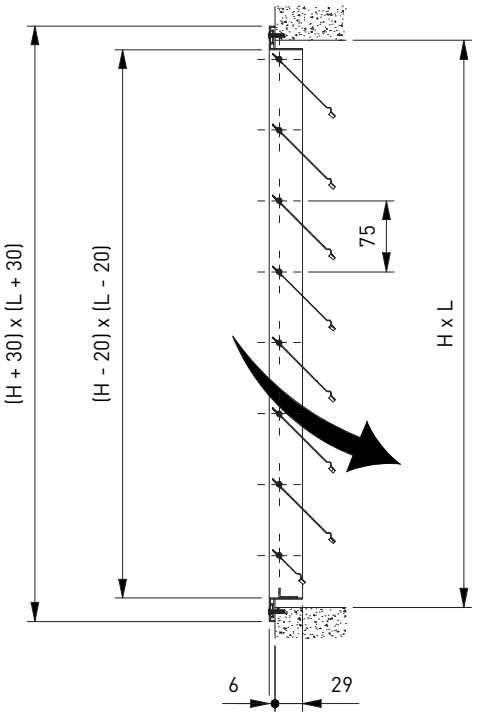
V: Overpressure
N: Underpressure


L + 30
H + 30

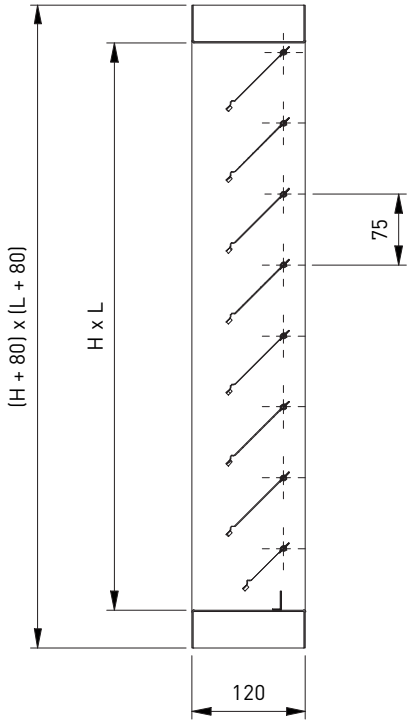
VF750


(H + 30) x (L + 30)
(H - 20) x (L - 20)
75
H x L
6
29

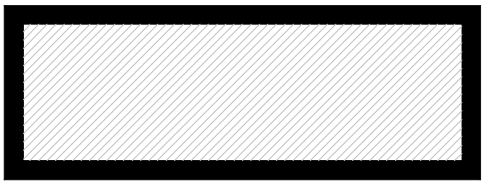
NF750


(H + 30) x (L + 30)
(H - 20) x (L - 20)
75
H x L
6
29

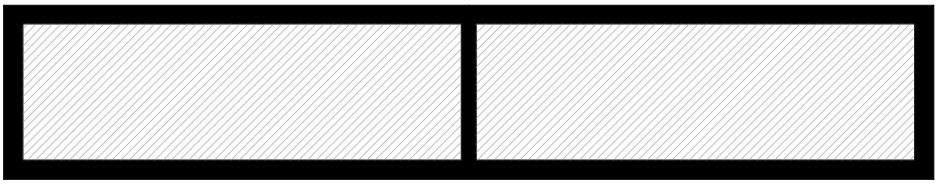
VU750



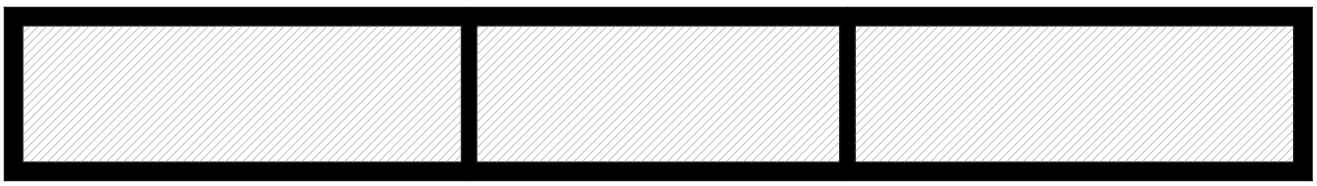
MULLION LOCATION



Nom. L<= 625



650<= Nom. L<= 1250



1275<= Nom. L<= 2000

SCREW HOLE LOCATION IN THE FRAME