

## BOREA air diffuser for ceiling or wall



### Description

The Borea valve is adjustable and can be used for supply and exhaust air. The valve can be installed in ceilings and walls.

### Function

The outlet can be partly closed for an individual regulation of supply air flow.

### Design

Borea is completely made of polystyrene. It consists of a main casting, a plate closer and adjustable front grid. Therefore, different flow forms and routes can easily be adjusted.

They can be inserted into DN125 pipes or DN125 flange collars.

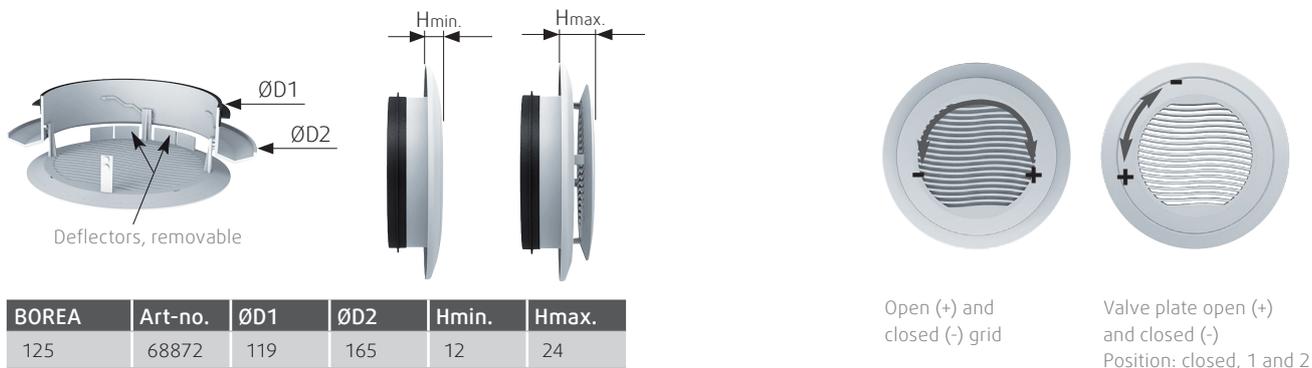
## BOREA settings

	Wall mounting	Ceiling mounting	
Supply air			
	Grid open/plate closed	Grid closed/plate in position 1 without shielding	Grid closed/plate in position 2 with or without shielding
Extract air			
	Grid open/plate in position 2 without shielding	Grid closed/plate in position 1 without shielding	Grid closed/plate in position 2 without shielding

The plate inlet can be partly closed by deflectors to shield some areas.

Deflectors can be removed for extract or 4-sided outlet.  
**The valve should never be completely closed!**

## Dimensions



BOREA	Art-no.	ØD1	ØD2	Hmin.	Hmax.
125	68872	119	165	12	24

## Technical data

Type	Air volume Qv[m <sup>3</sup> /h]	Supply air								Extract air					
		Grid open, Plate closed wall mounting		without deflector				with deflector		Grid open, Plate open		Grid closed, Plate open			
				Grid closed, Plate open, ceiling mounting		Position 2		Position 2				Position 1		Position 2	
		dp (Pa)	Lw (dB(A))	dp (Pa)	Lw (dB(A))	dp (Pa)	Lw (dB(A))	dp (Pa)	Lw (dB(A))	dp (Pa)	Lw (dB(A))	dp (Pa)	Lw (dB(A))	dp (Pa)	Lw (dB(A))
BOREA 125	45	9	< 20	18	26	7	< 20	13	22	3	< 20	20	23	7	< 20
	60	17	< 20	30	31	13	21	20	27	5	< 20	37	33	13	21
	75	25	24	40	35	18	24	31	32	8	< 20	57	41	20	25
	90	36	31	56	39	25	28	43	36	11	20	80	46	27	29
	120	62	43	-	-	40	36	70	43	19	28	-	-	48	36
	150	-	-	-	-	62	41	-	-	28	34	-	-	74	43

## Installation instructions

### Direct installation:

Simply fit into the duct, the seal ensures the airtightness.

### Installation with an air volume controller:

The air volume controller is simply fitted inside the duct. In blowing mode, the distance to the BOREA must be at least three times the diameter.

In extract mode, the distance to the BOREA must be at least once the diameter.