



## FKV

### CIRCULAR MULTI-CONE DIFFUSER

FKV is a circular multi-cone diffuser for high volume flows.

- For medium and high ceilings
- Heating and cooling
- Both for open installation and installation in closed ceiling
- Manual or thermal change of flow patterns
- High induction

### APPLICATION



FKV is a circular multi-cone diffuser for high volume flows. The diffuser has an adjustable cone that allows for converting between vertical and horizontal air supply. Recommended installation height is set between 2,7m and 6m.

### DESIGN

FKV is a circular multi-cone diffuser with adjustable cones. Via a central screw, the cones can be adjusted to alter the flow pattern. FKV can be shipped with manual or thermal adjustment. The flow pattern is adjusted by screwing the cones up or down when using manual commissioning. If the air temperature is high, adjust the cone upwards. If the air temperature is low, adjust the cone downwards. Thermal adjustment is based on the air supply and a thermal spring. The air supply temperature directly affects the thermal spring, which adjusts the flow pattern of the diffuser. The cones rises when the temperature is high, and lowers when the temperature is low, to ensure correct air supply.

### DESCRIPTION



The body of FKV is manufactured in aluminum. The shaft, screws, cones and rod is made out of steel. The diffuser is coated in RAL 9003, gloss 30.

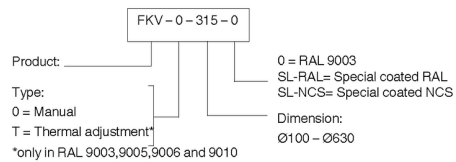
### INSTALLATION



FKV is mounted with screws from the spiro and into the neck of the valve. A thermal spring automatically adjusts to the air supply temperature. The cones rises when the temperature is too high, and lowers when the temperature is too low. The cones are easily adjusted in- and outwards by the central screw. If the air temperature is too low, the cones should be screwed outwards. If the air temperature is too high, the cones should be screwed inwards.

## TECHNICAL INFORMATION

### Order Code, FKV



**Example:**

FKV - 0 - 315 - 0  
FKV with manual regulation, dimension Ø315, coated RAL 9003, gloss 30

### QUICK SELECTION, FKV

Dim.	m <sup>3</sup> /h			
	25 dB (A)	30 dB (A)	35 dB(A)	40 dB(A)
100	63	84	105	127
125	110	151	187	228
160	181	241	301	361
200	301	402	502	602
250	484	645	806	968
315	785	1044	1307	1569
400	1267	1692	2113	2539
500	2012	2682	3352	4026
630	3233	4309	5386	6467

Table 1. Quick select FKV in duct end.