



JTKT

Jet diffuser Supply Thermal operation

Available types

JTKTO-OA

- J jet diffuser
- T supply
- K ball-shaped
- T thermal operation
- O none

- Accessories

- O none
- V volume unit
- O mounting in spiro duct
- A cover ring

SA-Select

Check SA-Select to create extended order codes and selection details online. **NB!** At this moment, SA-Select is only available in Dutch. But it is possible to create extended order codes and selection details online.

Use

The JTKT diffuser is suitable for supplying cooled or heated air in large rooms. The diffuser has a thermal spring that adjusts the discharge angle on the basis of the primary air temperature. This ensures that the diffuser blows downwards during heating and upwards during cooling. The maximum turning angle is 60° (+ and - 30°) compared to the horizontal discharge direction. This turning angle can be limited up or down with a mechanism that is built into the mounting ring. The diffuser has a standard transparent coating so that it can be used in humid areas or swimming pools. The design version means the diffuser can also be used in representative rooms.

Characteristics

Max. number of air changes:	up to 8 x
Undertemperature:	up to 10 K
Overtemperature:	up to 15 K

Version

Jet diffuser

Frame:	anodised aluminium
Post-treatment:	none

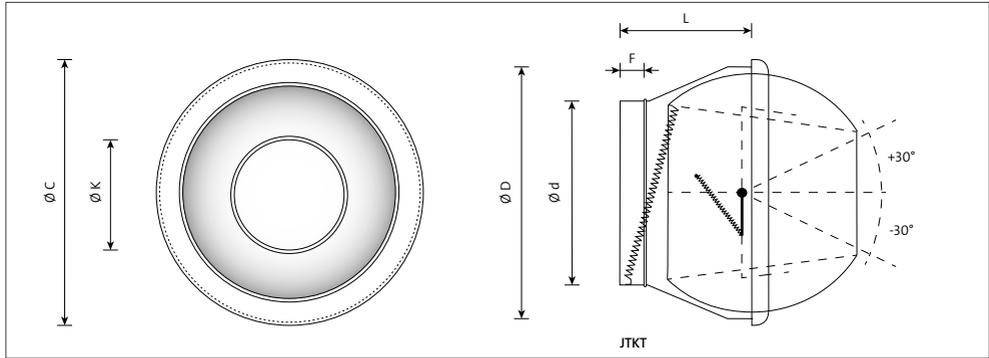
Optional

Post-treatment:	epoxy
Colour:	white RAL 9010, optional RAL colour of your choice

Accessory

Volume unit:	sendzimir galvanised steel
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Dimensions



Available dimensions and sizes

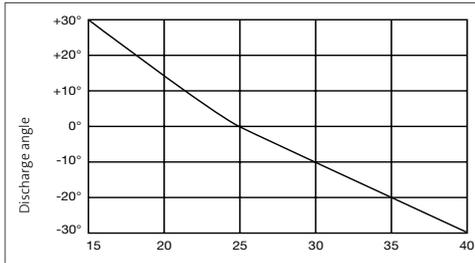
model	d	D	C	K	L	F
80	158	207	258	80	200	50
110	198	255	288	110	215	60
150	313	352	387	150	283	60
200	398	452	485	200	283	60
230	398	452	485	230	283	60

Note

- The listed dimensions are in mm.
- D is the recess size.

Air direction

Discharge angle depends on the primary air temperature.



Fitting instructions

- At the top of the diffuser, there is a sticker with the text 'High'.
- If the diffuser is fitted with the sticker facing up, the air will be directed downwards during heating and upwards during cooling.
- After fitting, the maximum angle must be set for cooling and heating.
- The mechanism can be adjusted with a standard cross-head screwdriver.
- Remove the cover ring from the diffuser and set the required angles.

Selection details

JTJKO-OA

air volume		model	throw m	Δp_s Pa	L_{PA} dB(A)
m ³ /s	m ³ /h				
0.020	72	80	9.7	10	-
0.025	90	80	11.2	16	-
0.030	108	80	12.5	23	-
0.040	144	80	14.5	40	-
0.050	180	80	16.0	63	13
		110	13.3	18	-
0.060	216	80	17.3	90	17
		110	14.6	25	-
0.080	288	110	16.4	45	13
		150	13.5	13	-
0.100	360	110	18.0	70	19
		150	14.9	21	-
0.125	450	110	19.4	109	24
		150	16.3	32	-
0.150	540	150	17.4	46	14
		200	15.6	15	-
		150	19.3	81	21
0.200	720	200	17.4	26	-
		230	17.7	15	-
		200	20.0	58	16
0.300	1080	230	20.4	33	10
		200	21.8	102	24
0.400	1440	230	22.4	59	19

General

- The throw is given without ceiling influence.
- The pressure loss applies without a volume unit.
- The assumed room attenuation is 10 dB.
- It is permitted to interpolate the interim values.