

# FK-QP

- > Jet flow diffuser
- > Supply
- > Spherical

## APPLICATION

The jet flow diffuser is suitable for cooled and heated air supply in large areas. The direction of airflow can be manually adjusted in a wide range of directions. Due to the unique design it is often integrated into architectural features. The jet nozzle includes a spigot for direct connection to a circular duct.

## FEATURES

Max. air exchange rate: up to 8x  
 Under temperature: up to 10k  
 Over temperature: up to 15k

## DESIGN

### Jet flow diffuser

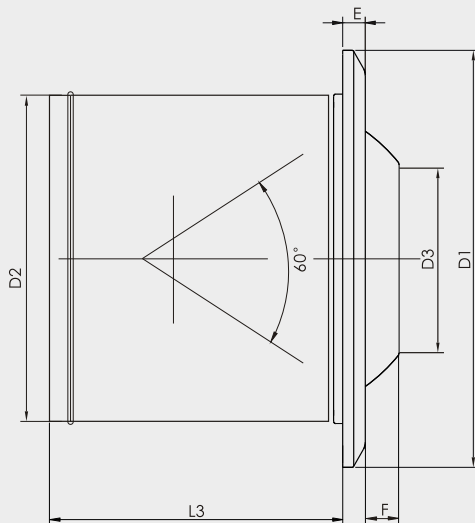
diffuser: c/w wall flange  
 finish: RAL 9010

## AVAILABLE TYPES

### FK-QP

**FK** diffuser  
**QP** Jet nozzle

- **type**  
 duct mounted



## REMARKS

All dimensions are given in mm.

SIZE	DIMENSIONAL DATA				
	D1	D2	D3	E	F
250	302.5	247	135	25	28
315	382	312	186	29	32

# FK-QP PERFORMANCE DATA

SIZE	Effective area (m <sup>2</sup> )	Air volume		Pressure loss (Pa)	Noise dB(A)	Throw (isothermal)	End air velocity (m/s)
		m <sup>3</sup> /h	l/s				
250	0.0145	250	70	11	29	12.9	0.25
		320	89	22	34	16.9	
		400	111	55	39	25.2	
		500	139	81	42	31.5	
		630	175	116	46	37.5	
		320	89	22	34	8.4	0.5
		400	111	55	39	12.5	
		500	139	81	42	15.6	
		630	175	116	46	18.6	
		800	222	142	50	21.4	

SIZE	Effective area (m <sup>2</sup> )	Air volume		Pressure loss (Pa)	Noise dB(A)	Throw (isothermal)	End air velocity (m/s)
		m <sup>3</sup> /h	l/s				
315	0.023	400	111	30	26	16	0.25
		500	139	21	34	20	
		630	175	46	38	25	
		800	222	68	42	30.2	
		1000	278	94	46	37	
		500	139	21	34	9.9	0.5
		630	175	46	38	12.5	
		800	222	68	42	15	
		1000	278	94	46	18.4	
		1250	347	148	50	21.6	

The technical parameters listed are confirmed for isothermal conditions.

Centre frequency (Hz)	SOUND POWER LEVEL CORRECTION							
	63	125	250	500	1000	2000	4000	6300
Correction dB(A)	-3	-7	-9	-13	-13	-17	-21	-18

## GENERAL

The throw is stated without ceiling influence.

- throw T in meters

The pressure drop applies without volume damper.

- static pressure drop is Ps in Pa

The adopted room absorption is 10 dB.

- sound pressure level Lp in dB(A).

Interpolation of intermediate values is acceptable.