

FK-YXIA

- > Swirl diffuser
- > Supply, round
- > Fixed blades

APPLICATION

The round, conic swirl diffuser is suitable for the supply of cooled or heated air with a big temperature difference and is suitable for constant and variable volume installations. The housing consists of a round aluminium nozzle body within fixed swirl blades. The diffuser can be installed into a plenum box or ceiling mounted.

DESIGN

Swirl diffuser

metal nozzle body: steel
finish: RAL 9010

AVAILABLE TYPES

FK-YXIA - Q - R

FK diffuser

YXIA Swirl diffuser with fixed blade

– **frame**

Q square

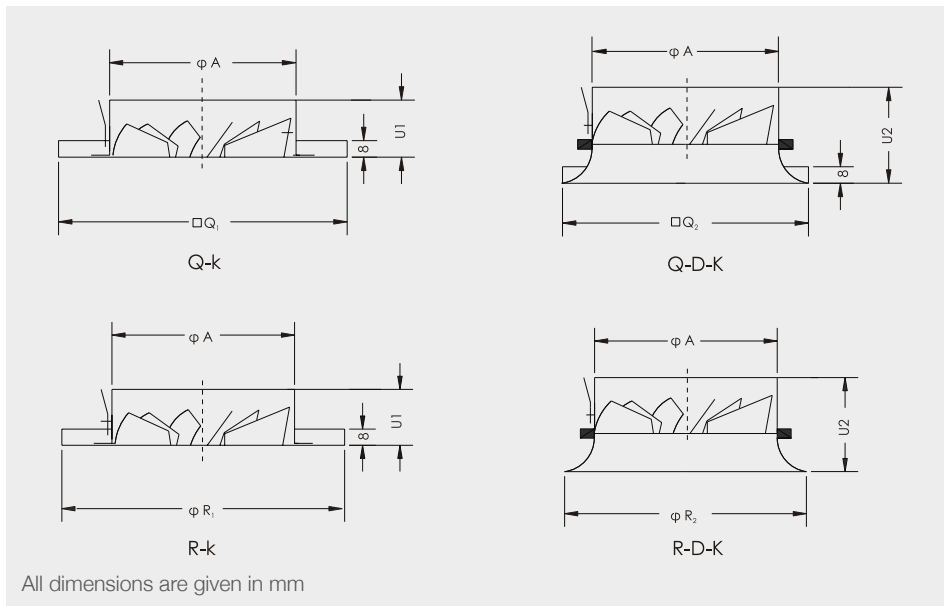
R round

– **designed with**

round top connection

unlined side entry plenum box (delivered separately)

lined side entry plenum box (delivered separately)



FEATURES

Max. air exchanges: up to 15x
Under temperature: up to 10k
Over temperature: up to 15k

SIZE	DIMENSIONAL DATA						
	A	Q1	Q2	R1	R2	U1	U2
250	248	595	595	295	350	60	90
315	313	595	595	364	450	60	125

PERFORMANCE DATA

SIZE	Air volume		Pressure (Pa)	Noise dB(A)	Throw
	m³/h	l/s			
250	100	28	4	<20	2.0
	150	42	12	20	2.2
	175	49	14	24	2.7
	200	56	19	28	3.1
	250	69	30	34	3.6
	300	83	45	40	4.1

SIZE	Air volume		Pressure (Pa)	Noise dB(A)	Throw
	m³/h	l/s			
250	200	56	6	<20	2.2
	250	60	9	<20	2.7
	300	83	13	27	3.3
	350	97	17	31	3.5
	400	111	22	36	3.9
	500	139	36	43	4.3

Throw to 0.25 m/s based on 2.6 m ceiling height