

Overview

12 Months
Warranty

STOCKED RANGE

Round Aluminium Ceiling Diffusers

Description

Suitable for supply applications for cooling, heating and isothermal conditions. Suitable for modular ceiling systems. Capable of handling high airflow rates at moderately low pressure drops and noise.

Construction

From spun aluminium, providing long term strength and rigidity. The airflow passages are smooth ensuring quiet and efficient airflow.

PRODUCT CODE	DESCRIPTION
RCD	Round Aluminium Ceiling Diffusers with Collar and Butterfly Damper

Note:

- Powder coated white as standard
- Custom colours are available upon request
- [For product performance data, see page 315](#)



QAE strive to provide products that best suit the market's requirements. As such, QAE reserve the right to supply products which may differ slightly from those shown in this and other publications. For product warranties please refer to our standard terms and conditions.

Round Aluminium Ceiling Diffusers					
PRODUCT CODE	EXACT NECK (mm)	CEILING OPENING (mm)	FACE SIZE (mm)	HEIGHT (mm)	PIECES/CARTON
RCD6	150 Dia	250 Dia	300 Dia	120	5
RCD8	200 Dia	300 Dia	350 Dia	120	5
RCD10	250 Dia	350 Dia	400 Dia	120	5
RCD12	300 Dia	400 Dia	450 Dia	120	5
RCD14	350 Dia	450 Dia	490 Dia	120	5



Fast Installation

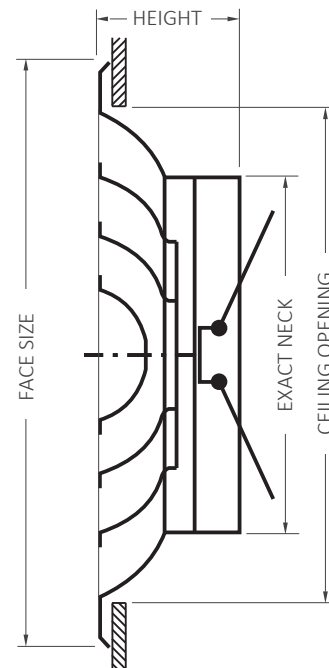
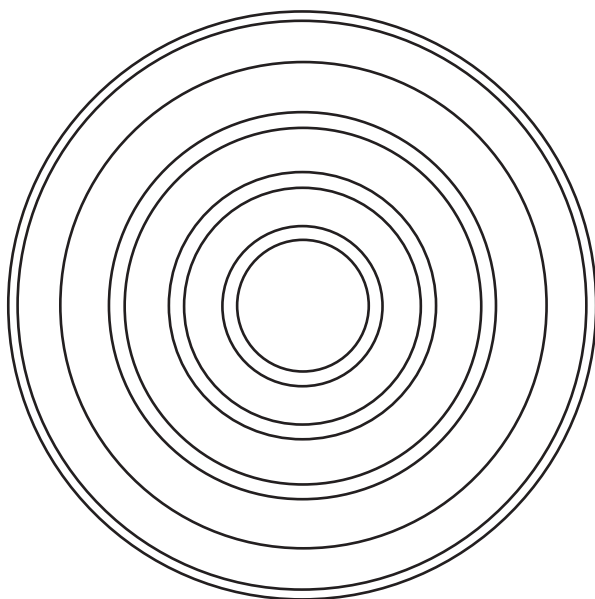
The quick release core makes rear access much easier.



Convenient and Easy

The addition of the rear butterfly damper allows for airflow adjustment. The fixing clip makes installation quick and easy.

Round Aluminium Ceiling Diffuser: RCD



Round Aluminium Ceiling Diffusers: RCD

Test Conditions

Data is based on Isothermal conditions with a ceiling height of 2.7m with the diffuser mounted flush in an unobstructed ceiling without damper fitted. Throws are given at a terminal velocity of 0.25m/s.

Noise Ratings are based on a room absorption level of 10db.

Product Code	Performance Data	Units						
RCD6	Air Flow	l/s	25	40	55	70	85	95
	Sound Level	dB(A)	<20	<20	23	28	32	34
	Pressure Drop	Pa	3	9	16	26	39	48
	Throw - 0.25m/s	m	0.9	1.4	1.9	2.5	3.0	3.3
RCD8	Air Flow	l/s	50	75	100	130	155	180
	Sound Level	dB(A)	<20	<20	26	31	35	38
	Pressure Drop	Pa	4	10	17	29	41	55
	Throw - 0.25m/s	m	1.3	2.0	2.6	3.4	4.1	4.7
RCD10	Air Flow	l/s	80	125	165	210	250	290
	Sound Level	dB(A)	<20	23	29	34	38	41
	Pressure Drop	Pa	4	11	19	31	43	58
	Throw - 0.25m/s	m	1.7	2.6	3.5	4.4	5.3	6.1
RCD12	Air Flow	l/s	120	185	245	310	370	430
	Sound Level	dB(A)	<20	25	31	36	40	43
	Pressure Drop	Pa	5	11	20	32	46	62
	Throw - 0.25m/s	m	2.1	3.3	4.3	5.4	6.5	7.6
RCD14	Air Flow	l/s	220	330	440	550	660	770
	Sound Level	dB(A)	23	32	38	43	47	50
	Pressure Drop	Pa	9	20	35	55	79	107
	Throw - 0.25m/s	m	3.3	5.0	6.6	8.3	9.9	11.6