

envirovent®

QURO

Specification Guide

SAP PCDB Listed Decentralised Mechanical Extract Ventilation Unit



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QUORO



Decentralised Mechanical Extract Ventilation Unit

ABOUT

The QURO is a decentralised mechanical extract fan that incorporates constant volume technology to provide a high efficiency, low cost and low noise solution. The fan is SAP PCDB listed, with an SFP of down to 0.08w/l/s, and has adjustable speeds from 5l/s up to a maximum of 30l/s.

The fan is designed to be flexible, and meets the airflow requirements for a kitchen, utility, bathroom, WC and en-suite making it perfect for the new build and specification market.

The fan is suitable for use with 100mm ducting, and is unobtrusive with a low profile of only 175 x 175 x 128.5mm.

There are three models available including a standard variant with adjustable timer, an adjustable timer and humidity sensor option, and an adjustable timer, humidity sensor and pull cord version.

APPLICATION



Wall



Ceiling

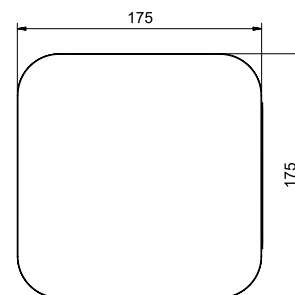
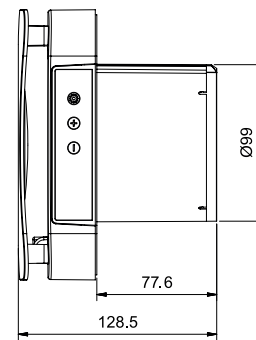
ORDER CODES

CODE(S)	DESCRIPTION
QURO QRST	Standard with adjustable timer model
QURO QRHT	Adjustable timer and humidity sensor model
QURO QRHTP	Adjustable timer, humidity sensor and pullcord model

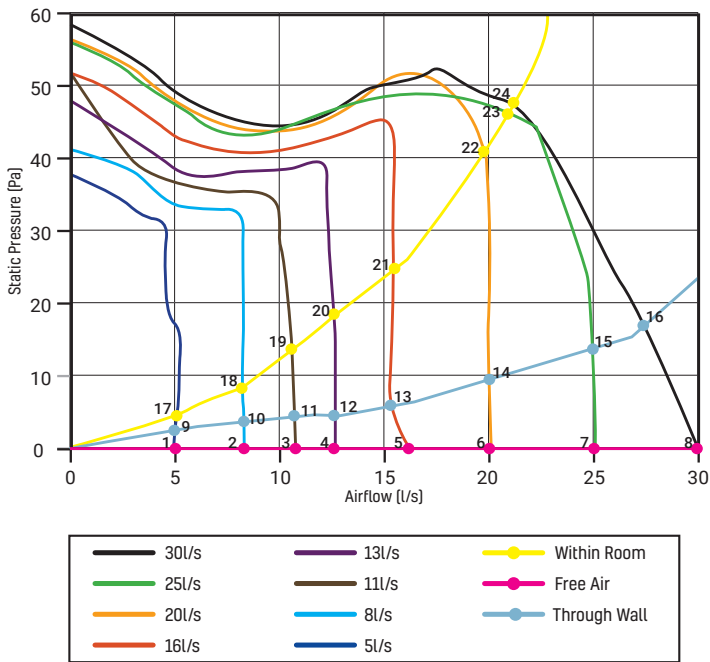
KEY FEATURES

- ✓ SAP PCDB Listed achieving a market leading low Specific Fan Power down to 0.08 W/l/s
- ✓ 30l/s maximum airflow
- ✓ Extremely low sound levels below 9 dB(A)
- ✓ Limited constant volume, continuously running extract ventilation with five selectable speed settings
- ✓ Timer, humidity sensor and pullcord models
- ✓ Suitable for use with 100mm ducting
- ✓ Side panel display
- ✓ Fitted with low watt DC motors for a maximum energy consumption of 4.5 Watts
- ✓ Automatic timer and humidity sensor options
- ✓ 3 year warranty
- ✓ Low profile and low maintenance


DIMENSIONS (mm)



PERFORMANCE



OPTIONS & ANCILLARIES

CODE(S)	DESCRIPTION
1RD EFWAK**	Standard wall kit
1RD GRILL 100**	Fixed louvre grille
 WH TC BR CO	Available in White, Terracotta, Brown, and Cotswold Stone. When ordering, please state which colour grille you require and replace the ** at the end of the code with one of the four colour codes

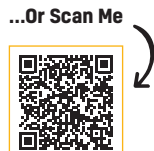
TECHNICAL DATA

MAXIMUM FLOW RATE L/S (m ³ /h)	30 (108)
MOTOR	DC
SPECIFIC FAN POWER (w/l/s)	0.08
ELECTRICAL SUPPLY	230V / 1PH / 50Hz
MAX POWER CONSUMPTION (W)	4.5
PROTECTION CLASS	IP45
SPIGOT (mm)	99 (suitable for 100mm ducting)
DIMENSIONS (mm)	175 x 175 x 128.5
WEIGHT (kg)	0.53

Link to Specification visit: envirovent.com/downloads



Link to Installation Guide visit: envirovent.com/downloads



PRODUCT CHARACTERISTICS DATABASE (SAP 10)

SYSTEMS WITH RIGID DUCTWORK (INSTALLATION ONLY)		
UNIT CONFIG	LOCATION	SAP (W/l/s)
IN ROOM (DUCTED)	Kitchen	0.11
	Wetroom	0.10
THROUGH WALL	Kitchen	0.08
	Wetroom	0.08

SYSTEMS WITH SEMI-RIGID DUCTWORK (INSTALLATION ONLY)		
UNIT CONFIG	LOCATION	SAP (W/l/s)
IN ROOM (DUCTED)	Kitchen	Coming Soon
	Wetroom	Coming Soon
THROUGH WALL	Kitchen	Coming Soon
	Wetroom	Coming Soon

SOUND DATA*

Speed Levels	Constant Air Volume		Sound Pressure Level - Free Air		Sound Pressure Level - Through Wall		Sound Pressure Level - Within Room	
	m ³ /h	l/s	Point	dB(A)	Point	dB(A)	Point	dB(A)
Trickle Speeds	18	5	1	8.8	9	9.3	17	11.2
	29	8	2	9.9	10	11.1	18	15.1
	40	11	3	13.1	11	14	19	19.3
	47	13	4	14.8	12	15.7	20	21.8
	58	16	5	20.2	13	19.8	21	25.7
Boost Speeds	72	20	6	21.5	14	21.4	22	30.7
	90	25	7	27.2	15	27.4	23	32.3
	108	30	8	36.1	16	34.7	24	33.2

*Testing performed to the requirements of BS EN 13141-6



CONSULTANT SPECIFICATION

QURO

The QURO is a high performance extract fan with low Specific Fan Power down to 0.08 W/l/s. The fan is suitable for wall or ceiling mounting in kitchens, WCs, bathrooms and shower rooms to meet Approved Document F: Ventilation in England and Wales, Technical Handbook for Scotland, Northern Ireland Technical Booklet, Part K. The one fan shall ventilate any domestic kitchen, utility room, bathroom or shower room and be PCDB listed for decentralised Mechanical Ventilation Equipment (dMEV).

The QURO offers a mixed flow fan impeller, driving performance without any nuisance running. The fan offers extremely low noise levels below 9 dB(A) at 3m distance.

The unit shall be the QURO as manufactured by EnviroVent.

The QURO is powered by a low energy, DC motor for minimum energy consumption down to 2 Watts, supplied in a 230V format with five selectable trickle speeds ranging between 5 and 16l/s, with a maximum high speed (boost) of 30l/s.

The QURO is available in standard with adjustable timer (QRST), adjustable timer and humidity sensor (QRHT) and adjustable timer, humidity sensor and pull cord (QRHTP) variants.

The unit is capable of operating continuously on constant volume to work in direct correlation with any resistance in the ductwork, ensuring that the commissioned airflow is always delivered and maintained. This has a limiter to prevent nuisance running during periods where high levels of resistance are encountered. The unit will operate on trickle at the pre-set rate and with the facility to boost to maximum air volume via a switch, pullcord or humidity sensor.

The unit shall enable ease of commissioning through the intelligent constant volume microprocessor technology.

The QURO offers a side display, that can show total running time as well as humidity and timer details (variant depending).

The fan offers the potential to run in automatic timer or humidity sensor mode depending upon the requirements of the property.

The unit is supplied with a 3 year warranty.

envirovent®

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