



QAL Submittal



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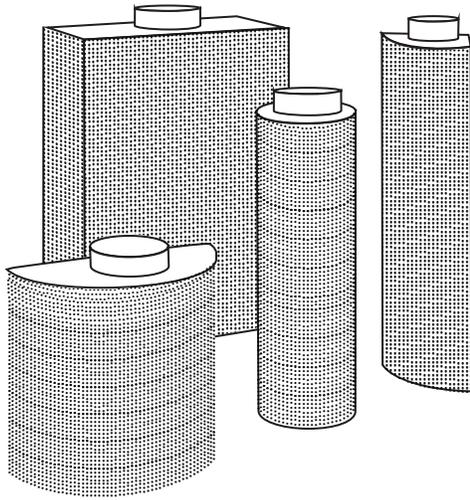
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Date

Project

Engineer

Contractor



The diffusers

- Air displacement diffuser
- Low airflow exit speed and low level of turbulence.
- Made of galvanised steel
- Integrated air dividing mechanism.
- Interior joints shall be sealed with silicon.
- Interior and the exterior painted with TGIC-free powder coated thermo-lacquered paint.
- RAL colour chosen by the client.

QAL - L - Wall installation

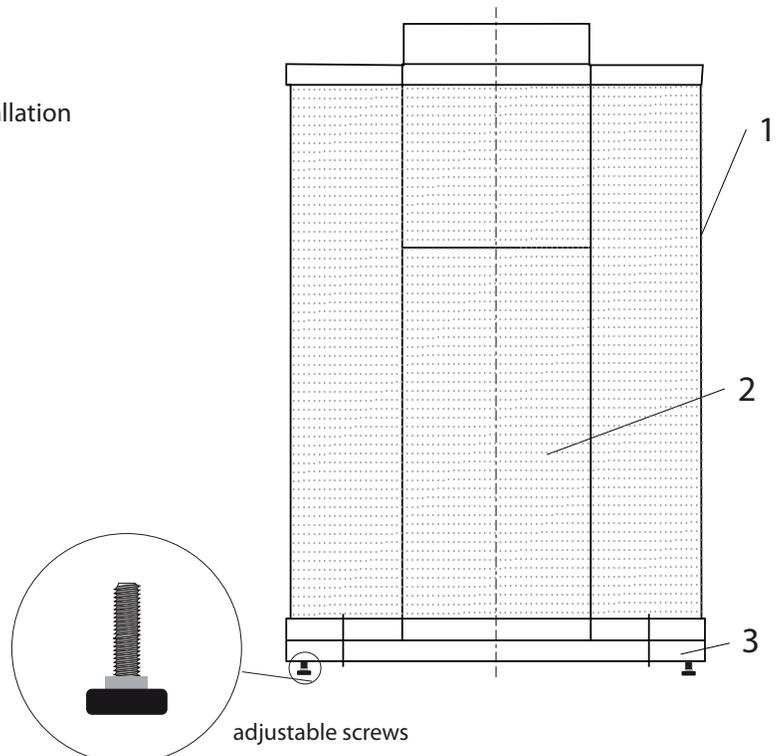
QAL - H - Semi-circular - 180° - wall installation

QAL - R - Round displacement diffuser (360°), floor installation

QAL - V - Quarter circle 90°- corner installation

Configuration

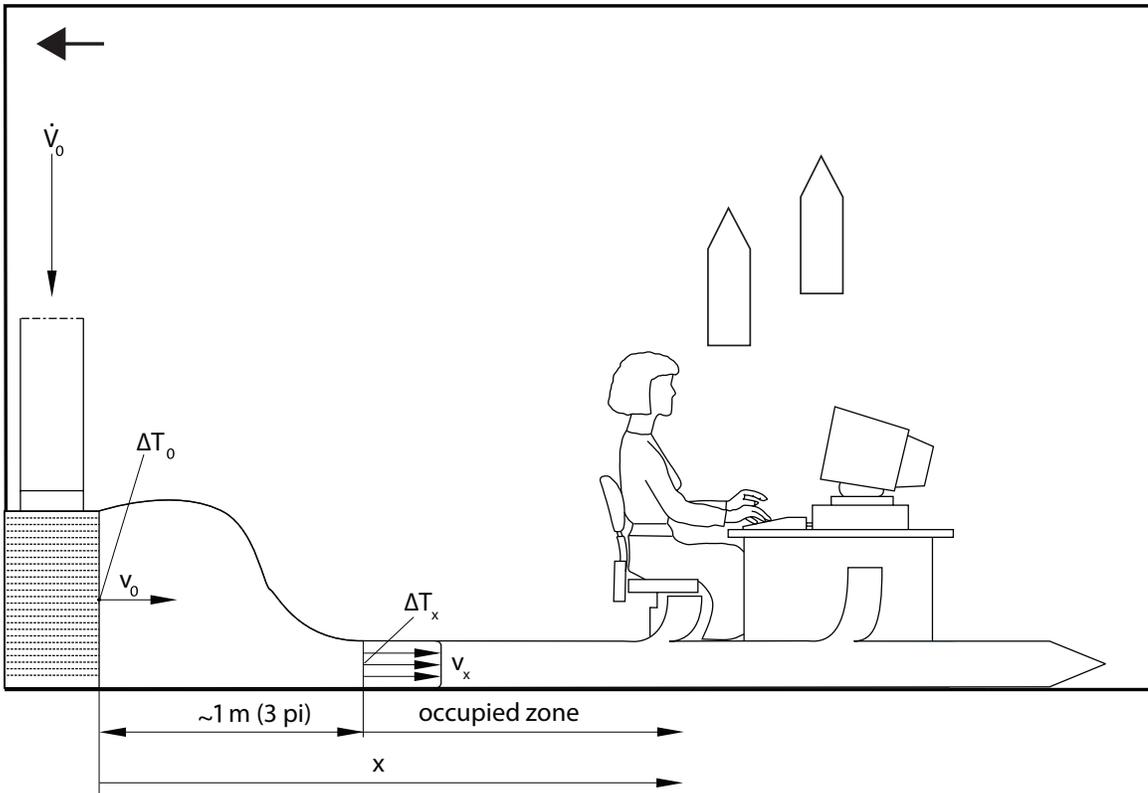
The QAL air displacement diffuser is composed of a perforated flat or cylindrical screwed (1) frontal plate (quarter circle, semi-circular or completely circular) and an air dividing mechanism on the main surface (2). The regulatory system allowing height adjustment is found in the diffuser's plinth (3).



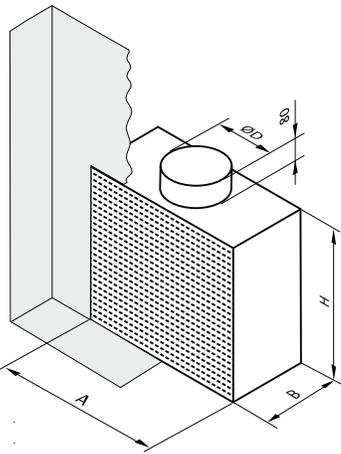
QAL - Air flow

Mode of operation

The air dividing mechanism distributes the air flow uniformly across the perforated frontal plate. As a result of its lower temperature and the low outlet air speed is directed downwards without significant mixing with the ambient air and spreads across the floor, forming a thin layer of fresh air. When it meets heat sources in the zone, the air is heated and slowly climbs towards the ceiling.



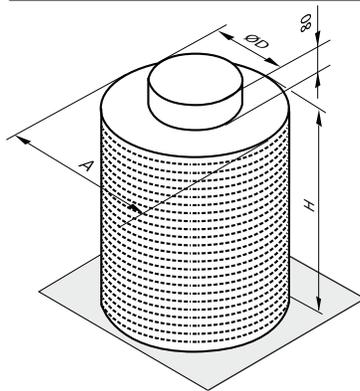
QAL - Dimensions



QAL - L Wall installation

Dimensions

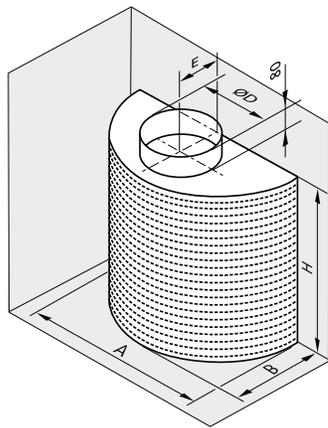
	DN 400				DN 600				DN 800				DN 1000			
Size A	406				610				813				1016			
Size B	330				381				381				406			
Size ØD	150	150	200	200	200	200	250	250	200	2250	250	300	250	250	300	300
Size H	750	1000	1250	1500	750	1000	1250	1500	750	1000	1250	1500	750	1000	1250	1500



QAL - R Round (360°), floor installation

Dimensions

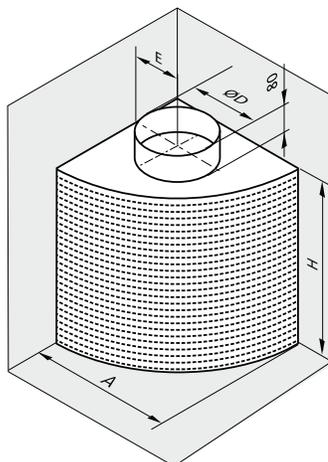
	DN 400				DN 600				DN 800				DN 1000			
Size A	406				610				813				1016			
Size ØD	229	280	305	356	254	356	381	406	356	406	457	508	381	457	508	559
Size H	750	1000	1250	1500	750	1000	1250	1500	750	1000	1250	1500	750	1000	1250	1500



QAL - H Semi-circular (180°) wall installation

Dimensions

	DN 600				DN 800				DN 1000			
Size A	610				813				1016			
Size B	381				406				508			
Size E	193				203				254			
Size ØD	200	200	250	250	200	250	250	300	250	250	300	300
Size H	750	1000	1250	1500	750	1000	1250	1500	750	1000	1250	1500



QAL - V Quarter circle (90°), corner installation

Dimensions

	DN 800				DN 1000				DN 1200				DN 1400			
Size A	406				508				610				711			
Size E	203				254				305				356			
Size ØD	200	200	250	300	200	250	250	250	200	250	300	300	250	300	300	356
Size H	750	1000	1250	1500	750	1000	1250	1500	750	1000	1250	1500	750	1000	1250	1500

QAL - Codification

QAL					Product
L = Linear – encased in a wall R = Round (360°) – floor installation H = Semi-circular (180°) – wall installation V = Quarter-circular (90°) – corner installation					Configuration
0400, 0600, 0800, 1000					Nominal dimension
0600, 0800, 1000					- L, -R
0800, 1000, 1200, 1400					- H
0750, 1000, 1250, 1500					- V
9003 = White 9010 = Cream 00SB = Solar Black (standard matte black) 00SM = Silver Matte (standard metallic grey) _____ = RAL color (write the RAL color number)					Height
					Diffuser color
QAL	L	0400	0750	9003	Example