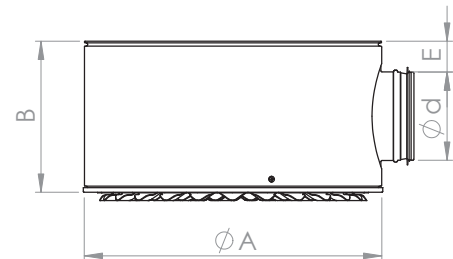
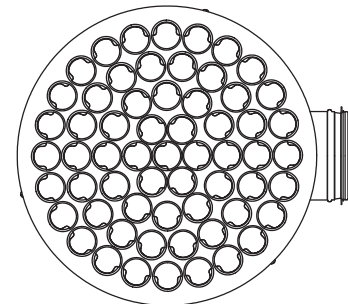


DEZ Nozzle diffuser

DEZ is a round nozzle diffuser, which is designed to provide effective supply air distribution with low noise level, while also avoiding draft in the occupied zone. DEZ diffuser has an integrated circular plenum box, and may be used for either supply or exhaust air. Diffusers front plate is easily removable, making the cleaning process more comfortable and less time consuming.

- Nozzles can be rotated by 360°
- Suitable for rooms without false ceiling
- Suitable for CAV and VAV systems
- High mixing ratio
- Can be used for heating, cooling and isothermal supply air
- Multiple air distribution patterns:
 - horizontal
 - swirl
 - vertical
- Round plenum box
- Cylindrical air volume regulator
- Easy access front panel
- Easy to clean
- Low noise level
- Available in alternative colors
- Duct sizes Ø100-315 mm



Material and surface treatment

Nozzle diffuser DEZ is manufactured from galvanized steel and the nozzles are from ABS. The front plate and nozzles have a white (RAL 9003), grey (RAL 9006) or black (RAL 9005) finish by standard, but are also available in any other RAL colours.

Nominal size	ØA	B	E	Nozzles, pc	Weight, kg
100	435	226	62	37	4,9
125	435	226	50	37	5,1
160	541	273	55	61	7,2
200	631	322	60	85	10,0
250	631	379	64	85	11,2
315	745	471	77	121	15,2

Nozzle pattern on different sizes



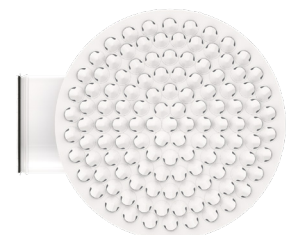
DEZ 100 ja 125



DEZ 160



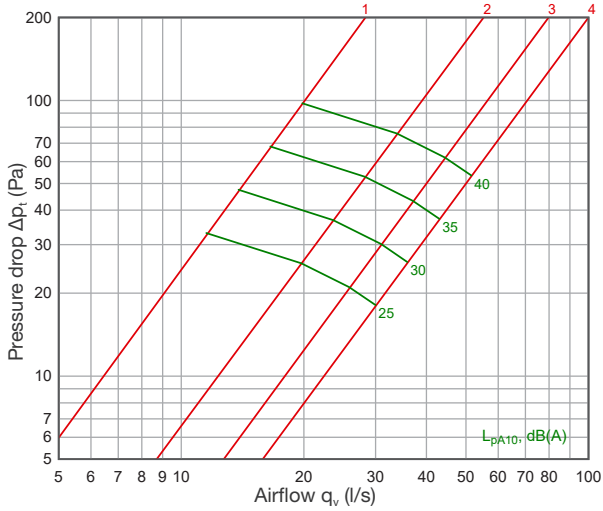
DEZ 200 ja 250



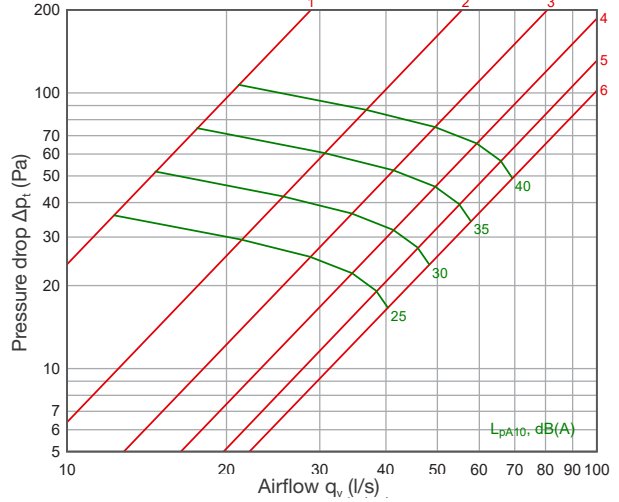
DEZ 315

Technical data

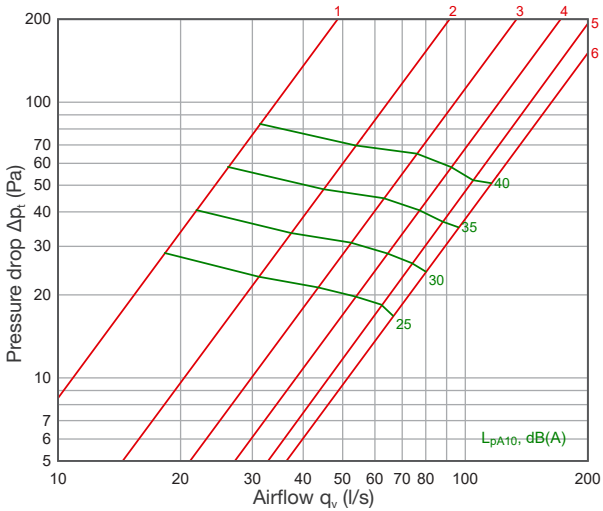
DEZ 100



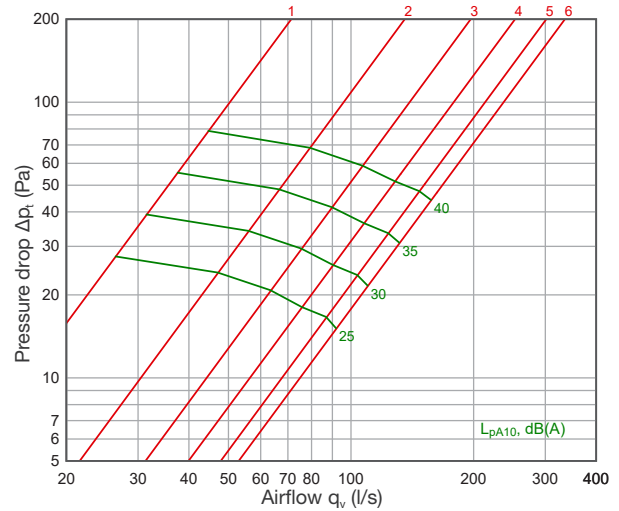
DEZ 125



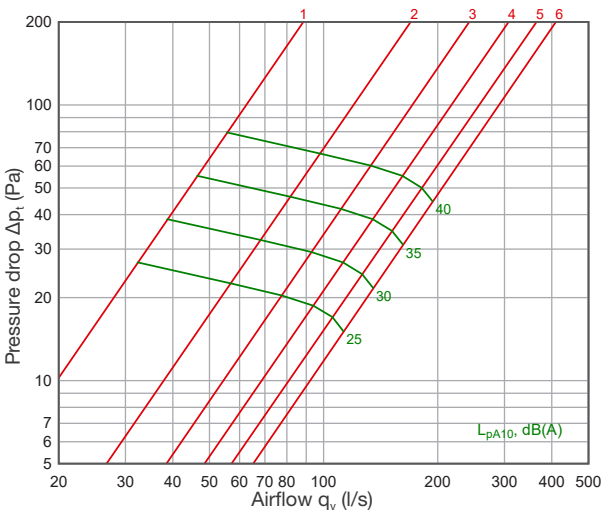
DEZ 160



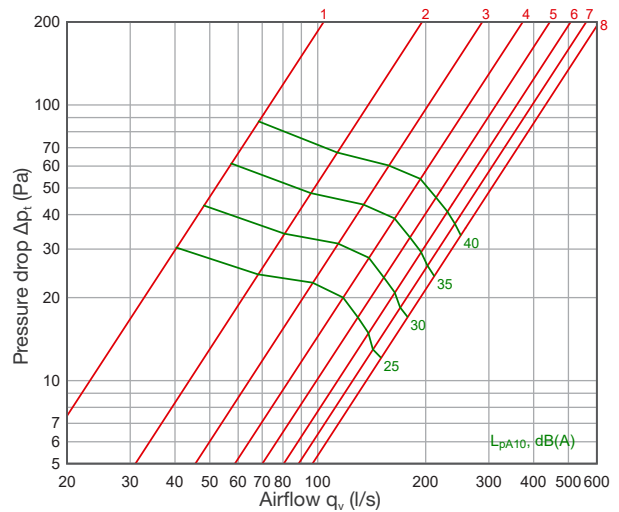
DEZ 200



DEZ 250



DEZ 315



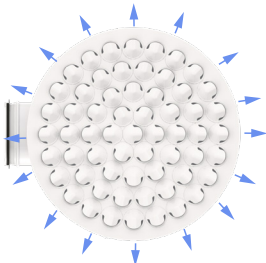
Acoustic data

DEZ	Position	k-factor	Sound level correction factor K_{okt} (dB)							
			63	125	250	500	1k	2k	4k	8k
DEZ 100	s = 1	2,0	-8	0	1	-4	-4	-8	-13	-22
	s = 2	4,0	-7	2	3	-3	-5	-11	-16	-25
	s = 3	5,9	-6	3	4	-2	-6	-13	-18	-27
	s = 4	7,5	-5	4	5	-2	-6	-14	-19	-28
DEZ 125	s = 1	2,1	-9	-1	0	-4	-3	-7	-11	-20
	s = 2	4,1	-8	1	2	-3	-4	-9	-14	-23
	s = 3	6,0	-7	2	3	-3	-5	-11	-16	-25
	s = 4	7,9	-6	3	4	-3	-5	-12	-17	-26
	s = 5	9,5	-6	3	4	-2	-6	-13	-18	-27
	s = 6	10,7	-5	4	5	-2	-6	-14	-19	-28
DEZ 160	s = 1	3,5	-8	-1	-1	-4	-4	-8	-14	-21
	s = 2	6,7	-7	1	2	-3	-5	-10	-16	-25
	s = 3	9,9	-6	3	4	-3	-6	-12	-17	-26
	s = 4	12,9	-5,0	5	4	-2	-6	-13	-18	-27
	s = 5	15,6	-5,0	4	4	-2	-7	-12	-19	-27
	s = 6	17,7	-5,0	4	5	-2	-7	-14	-20	-28
DEZ 200	s = 1	5,1	-4	3	0	-4	-4	-8	-14	-23
	s = 2	9,9	-1	6	2	-3	-6	-10	-16	-25
	s = 3	14,7	-1	7	3	-3	-6	-12	-18	-27
	s = 4	19,4	-1	6	3	-2	-7	-13	-20	-28
	s = 5	23,6	-1	6	3	-2	-7	-14	-20	-29
	s = 6	26,8	-1	6	3	-2	-7	-15	-22	-29
DEZ 250	s = 1	6,3	-4	3	-1	-4	-4	-6	-12	-21
	s = 2	12,5	-3	5	1	-3	-5	-9	-15	-24
	s = 3	18,5	-2	6	2	-3	-6	-10	-17	-26
	s = 4	24,4	-1	6	3	-3	-6	-12	-18	-27
	s = 5	30,0	0	7	3	-2	-7	-13	-19	-28
	s = 6	35,3	0	7	4	-2	-7	-13	-20	-29
DEZ 315	s = 1	7,4	-3	2	-4	-2	-4	-9	-15	-22
	s = 2	14,2	-1	5	-2	-1	-5	-11	-17	-26
	s = 3	21,5	0	5	0	-1	-6	-13	-19	-27
	s = 4	29,0	0	6	1	0	-7	-15	-22	-29
	s = 5	36,0	2	7	1	0	-7	-16	-23	-29
	s = 6	43,1	1	6	0	0	-7	-17	-24	-31
	s = 7	50,0	1	6	0	0	-7	-15	-24	-32
	s = 8	56,4	2	6	0	0	-7	-17	-24	-32

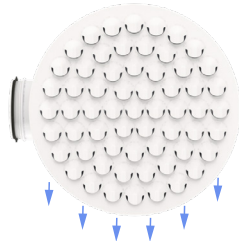
DEZ	Position	Sound attenuation (dB)							
		Mean frequency of octave band (Hz)							
		63	125	250	500	1k	2k	4k	8k
DEZ 100	s = 1	24	14	13	12	12	14	14	18
	s = 4	23	13	11	11	9	8	10	12
DEZ 125	s = 1	22	12	12	12	12	14	14	18
	s = 6	21	12	10	11	9	8	10	12
DEZ 160	s = 1	19	10	11	11	12	14	14	18
	s = 6	19	10	11	10	7	8	11	13
DEZ 200	s = 1	16	10	13	9	9	11	13	17
	s = 6	13	9	10	9	6	7	9	11
DEZ 250	s = 1	13	9	13	9	9	11	13	17
	s = 6	12	8	11	9	6	7	9	11
DEZ 315	s = 1	9	8	13	11	12	14	16	20
	s = 8	9	7	11	9	8	8	12	14

Nozzle settings

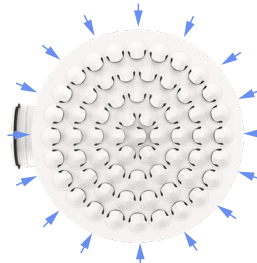
The nozzles are located on the front panel of the diffuser, allowing variable options for different air flow patterns. Depending on rooms characteristics and supply air temperature, the air flow can be distributed either horizontally, vertically or by swirl. By facing nozzles to the sides, horizontal air flow is enabled. By facing nozzles to the center, vertical air flow is enabled. By facing nozzles circularly, swirl air flow is enabled. The nozzles are preset on 4-way diffusion.



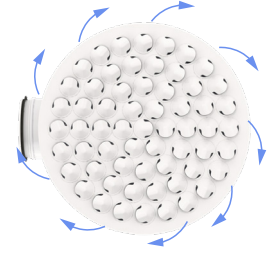
1. 4-way



2. 1-way

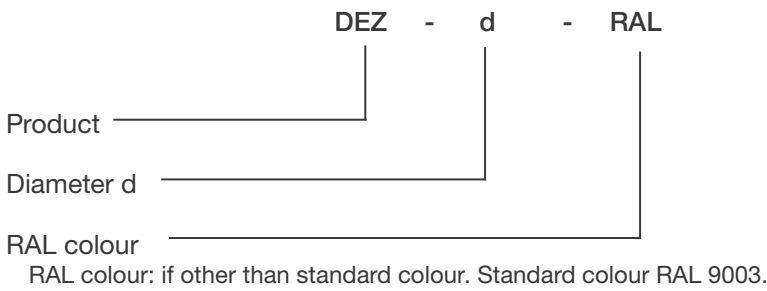


3. Vertical



4. Swirl

Product codes



Example: DEZ 200 RAL 9003