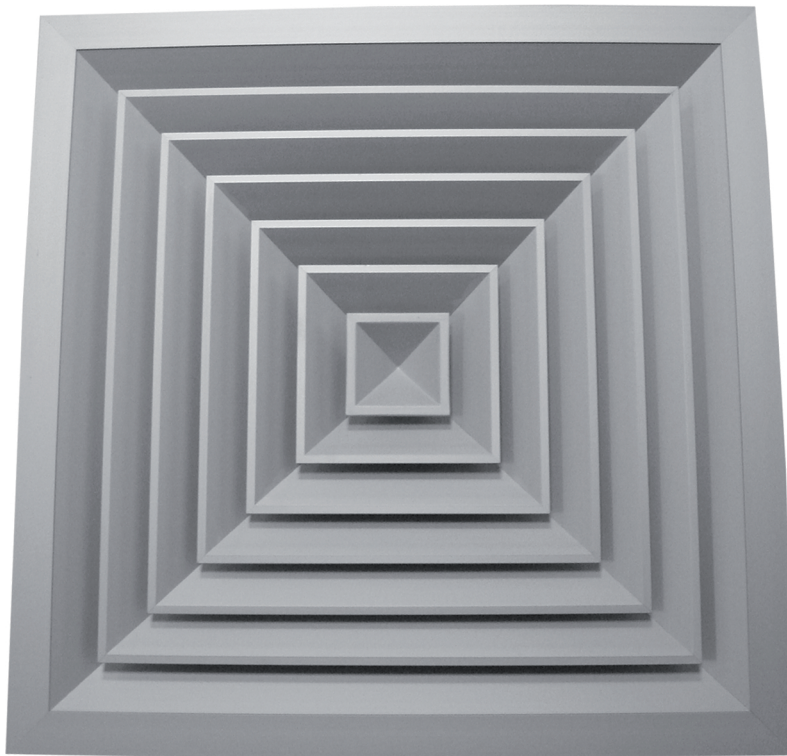




Ceiling diffusers type APGW-4 RAL 9016

4-way ceiling diffusers with removable core

Application

- For air supply and exhaust in ventilation and air conditioning systems.

Material

- Aluminium

Colour

- Anodized aluminium, natural finish

Composition

- Frame provided with airtight strip
- 4-way positioned fixed blades

Mounting

- Fixing by the collar of the diffuser in the plenum box

Accessories

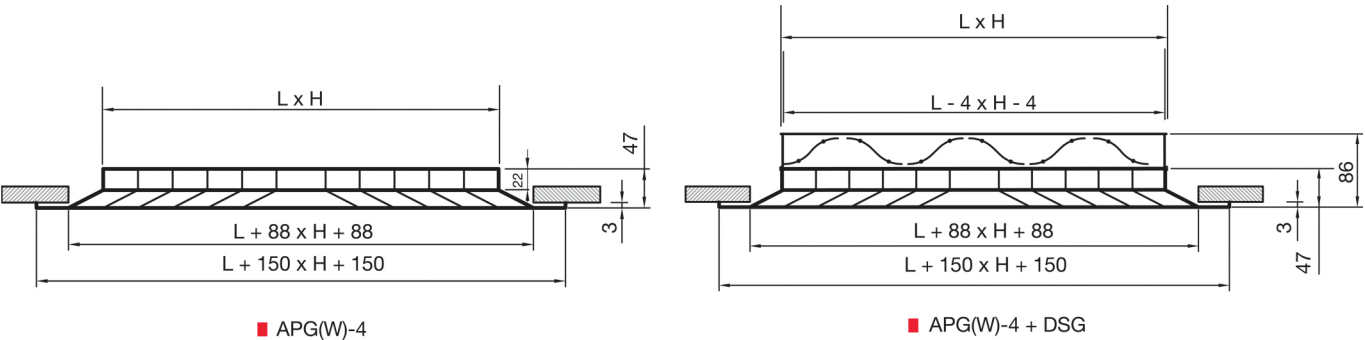
- Opposite blade volume control damper type **DSG**

Text for tender

- The air supply ceiling diffusers are square with a fixed 4-way pattern. They are made of anodized aluminium, with natural finish and are supplied with a volume control damper.
- **Cairox** Type **APG-4+DSG**

Other available products

- Available also painted white RAL 9010, type **APGW-4**



■ APG(W)-4

■ APG(W)-4 + DSG

Quick selection						
Qv	TIP	294	369	444	519	595
	LXH	145x145	220x220	295x295	370x370	445x445
	Aeff	0.01	0.02	0.04	0.07	0.10
100	Lth	0.50				
	Ps	4.50				
	veff	2.50				
	Lw	18				
160	Lth	0.80	0.50			
	Ps	12	2.30			
	veff	4.10	1.80			
	Lw	29	13			
200	Lth	1	0.70	0.50		
	Ps	18	3.60	1.10		
	veff	5.10	2.30	1.30		
	Lw	35	18	6		
300	Lth	1.50	1	0.70	0.60	
	Ps	41	8.20	2.60	1.10	
	veff	7.60	3.40	1.90	1.20	
	Lw	45	28	16	7	
400	Lth		1.30	1	0.80	0.70
	Ps		14	4.60	1.90	0.90
	veff		4.60	2.60	1.60	1.10
	Lw		35	24	15	7
500	Lth		1.70	1.20	1	0.80
	Ps		23	7.10	2.90	1.40
	veff		5.70	3.20	2	1.40
	Lw		41	29	20	13
600	Lth			1.50	1.20	1
	Ps			10	4.20	2
	veff			3.80	2.50	1.70
	Lw			34	25	17
800	Lth			2	1.60	1.30
	Ps			18	7.50	3.60
	veff			5.10	3.30	2.30
	Lw			41	32	24
1000	Lth				2	1.70
	Ps				12	5.60
	veff				4.10	2.80
	Lw				37	30
1200	Lth				2.40	2
	Ps				17	8.10
	veff				4.90	3.40
	Lw				42	34
1400	Lth				2.80	2.30
	Ps				23	11
	veff				5.70	4
	Lw				46	38
1600	Lth					2.70
	Ps					14
	veff					4.50
	Lw					41
2000	Lth					3
	Ps					18
	veff					5.10
	Lw					44

Symbols and specifications

- Values at ceiling height of 2.7m
- Temperature difference $\Delta t = -10K$
- Lth 0.25 = Horizontal throw in m at $v_t = 0.25m/s$
- Ps = Static pressure loss in Pa
- Lw = Acoustic power in dB(A)
- Qv = Air Volume in m^3/h
- LXH = neck size diffuser in mm
- Aeff = Effective air passage in m^2
- veff = Effective air velocity between the blades of the diffuser in m/s