SDN-2 GALVA

- Grilles for rectangular ducts
- Galvanized steel
- Galvanized natural finish
- Horizontal and vertical blades

Accessories

- **DA**
  Straight volume control dampers for duct grilles
- **DF**
  Inclined volume control dampers for duct grilles

Double deflection rectangular duct grills type SDN-2 GALVA

Double deflection grille for rectangular duct mounting with adjustable blades made of galvanized steel

Application

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

Material

- Galvanized steel

Composition

- Double row of vertical deflection blades in front and horizontal blades in back
- Frame provided with airtight strip

Mounting

- Visible screw mounting on rectangular duct

Accessories

- Straight volume control damper **DA**
- Inclined volume control damper **DF**

Text for tender

- The grilles for air supply or exhaust have individually adjustable blades to regulate the direction of the air flow pattern. They are made of galvanized steel natural finish with a double deflection and are supplied with a volume control damper.
- **ATC** Type **SDN-2 GALVA**+**DA** or **SDN-2 GALVA**+**DF**

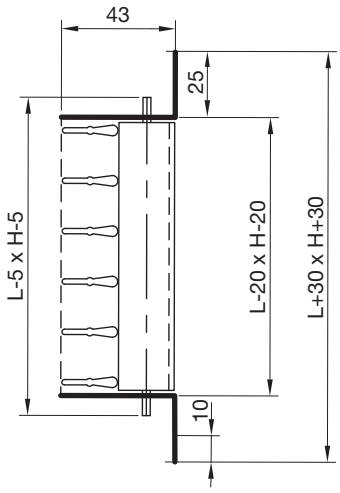
Order example

- **SDN 2 GALVA, 425, 75 + DA**

Explanation
SDN 2 GALVA = Grille type
425 = Length
75 = Height

Accessories (Optional)
DA = Volume damper

Grilles for galva ducts



Quick selection

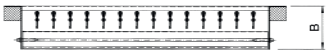
Q	LXH	225x75	325x75	425x75 225x125	525x75	625x75 325x125	425x125	525x125	625x125	825x125 425x225	1025x125 525x225	625x225	825x225	1025x225
	Aeff	0.0069	0.0099	0.0130	0.0160	0.0190	0.0250	0.0310	0.0370	0.0490	0.0610	0.0730	0.0970	0.1220
50	veff	2	1.40											
	Lth	3.70	3											
	Ps	2.70	1.30											
	Lw	<20	<20											
80	veff	3.20	2.20	1.70										
	Lth	5.90	4.90	4.30										
	Ps	6.90	3.30	1.90										
	Lw	<20	<20	<20										
100	veff	4	2.80	2.10	1.70									
	Lth	7.30	6.10	5.30	4.80									
	Ps	10.80	5.10	3	2									
	Lw	24.36	<20	<20	<20									
150	veff	6.10	4.20	3.20	2.60	2.20	1.70							
	Lth	11	9.10	8	7.20	6.60	5.80							
	Ps	24.20	11.60	6.80	4.50	3.20	1.80							
	Lw	34.22	27.02	21.78	<20	<20	<20							
200	veff	8.10	5.60	4.30	3.50	2.90	2.20	1.80						
	Lth	14.60	12.20	10.60	9.60	8.80	7.70	6.90						
	Ps	43	20.60	12.10	8	5.60	3.30	2.10						
	Lw	41.21	34.01	28.78	24.72	21.36	<20	<20						
250	veff		7	5.30	4.30	3.70	2.80	2.20	1.90					
	Lth		15.20	13.30	12	11	9.60	8.60	7.90					
	Ps		32.20	18.80	12.40	8.80	5.10	3.30	2.30					
	Lw		39.44	34.20	30.15	26.79	21.42	<20	<20					
300	veff			6.40	5.20	4.40	3.30	2.70	2.30	1.70				
	Lth			16	14.40	13.20	11.50	10.30	9.50	8.20				
	Ps			27.10	17.90	12.70	7.30	4.80	3.30	1.90				
	Lw			38.64	34.58	31.22	25.86	21.65	<20	<20				
400	veff				6.90	5.80	4.40	3.60	3	2.30	1.80			
	Lth				19.20	17.60	15.40	13.80	12.60	11	9.80			
	Ps				31.80	22.60	13	8.50	6	3.40	2.20			
	Lw				41.58	38.22	32.86	28.65	25.19	<20	<20			
600	veff						6.70	5.40	4.50	3.40	2.70	2.30		
	Lth						23	20.70	18.90	16.50	14.70	13.50		
	Ps						29.30	19.10	13.40	7.60	4.90	3.40		
	Lw						42.72	38.51	35.05	29.56	25.28	21.77		
800	veff								6	4.50	3.60	3	2.30	
	Lth								25.20	21.90	19.70	18	15.60	
	Ps								23.80	13.60	8.80	6.10	3.50	
	Lw								42.05	36.56	32.28	28.77	23.22	
1000	veff									5.70	4.60	3.80	2.90	2.30
	Lth									27.40	24.60	22.50	19.50	17.40
	Ps									21.20	13.70	9.60	5.40	3.40
	Lw									41.99	37.71	34.20	28.64	24.16
1200	veff										5.50	4.60	3.40	2.70
	Lth										29.50	27	23.40	20.90
	Ps										19.70	13.80	7.80	4.90
	Lw										42.14	38.63	33.08	28.60
1600	veff												4.60	3.60
	Lth												31.20	27.80
	Ps												13.90	8.80
	Lw												40.07	35.59
2000	veff													4.60
	Lth													34.80
	Ps													13.70
	Lw													41.02

Symbols and specifications

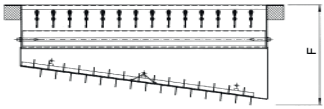
- Values at ceiling height of 2.7m
- Max. height to ceiling = 300mm
- Temperature difference Dt = -10K
- Lth 0.25 = Horizontal throw in m at vt = 0.25m/s
- Ps = Static pressure loss in Pa
- Lw = Acoustic power in dB(A)

- Qv = Air Volume in m³/h
- Aeff = Effective area in m²
- veff = Effective velocity between the vanes in m/s
- Type = Hole L x H to be made in duct
- **Values for grill without damper**

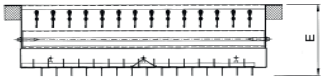
Installation drawing



SDN-2



SDN-2+DF



SDN-2+DA

Dimensions

	B [mm]	E [mm]	F [mm]
425 x 75	43	70	105
525 x 75	43	70	115
625 x 75	43	70	125
425 x 125	52	70	115
525 x 125	52	80	125
625 x 125	52	80	135
425 x 225	61	80	125
525 x 225	61	90	135
625 x 225	61	90	140
825 x 225	61	90	140
1025 x 225	61	90	140

Accessories

DA Straight volume control dampers for duct grilles

DF Inclined volume control dampers for duct grilles

DA

- Flat volume control dampers
- Galvanized steel
- Galvanized natural finish

Straight volume control dampers for duct grilles type DA

Straight volume control dampers for air exhaust on SPN and SDN

Application

- Straight volume control damper for the regulation of the air volume on the **SPN** and **SDN** grilles.

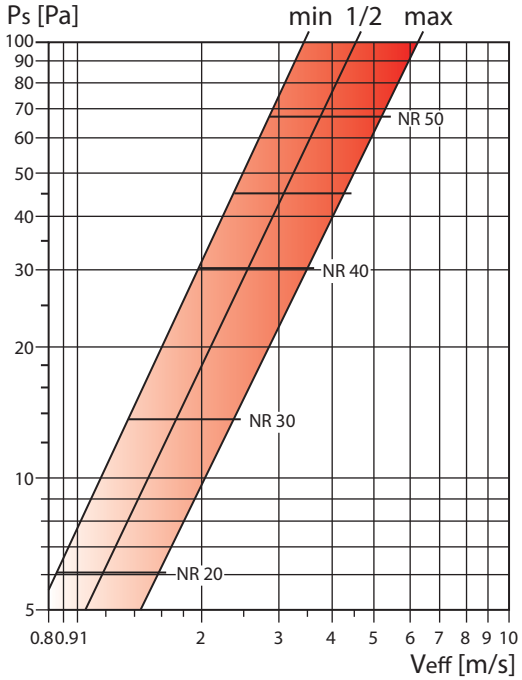
Material

- Galvanized steel

Mounting

- Invisible on the back of the grille with clips

Selection graph



Symbols and specifications

- The graph presents sound level NR as sound power level (without room attennuation) for the combination of grille and damper DF. The value of Veff on the graph is that for the grille without damper.
- Ps = Pressure loss in Pa
- Veff = Effective velocity of the corresponding grill (see selection tables SPN1, SPN2, SDN-1 and SDN-2)

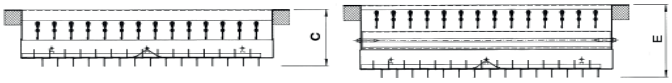
- Min, 1/2, Max = Opening of the damper
- NR = Noise rate without room attenuation

Order example

- **DA, 425, 75**

Explanation
DA = Volume control damper type
425 = Length
75 = Height

Installation drawing



SPN-1/SDN-1+DA SPN-2/SDN-2+DA

Dimensions

	C [mm]	E [mm]	Ø [mm]	
			min	max
225 x 75	50	70	160	400
325 x 75	50	70	160	400
425 x 75	50	70	160	400
525 x 75	50	70	160	400
625 x 75	50	70	160	400
225 x 125	50	70	315	900
325 x 125	50	70	315	900
425 x 125	60	70	315	900
525 x 125	60	80	315	900
625 x 125	60	80	315	900
425 x 225	70	80	630	1400
525 x 225	70	90	630	1400
625 x 225	70	90	630	1400
825 x 225	70	90	630	1400
1025 x 225	70	90	630	1400