Air through perfection

Round non-return damper





ACPAirflow regulation dampers



Round non-return damper RS-G



Description

RS-G is a circular non-return (backdraft) damper, used between circular duct sections and allowing a single direction of air flow.

The RS-G damper is designed for ventilation duct systems that require a class D seal according to EN 12237.

The circular non-return damper is mounted between the ventilation ducts and allows a single direction of air flow.

This damper is often installed upstream of an introduction or evacuation of air unit to prevent the air backflow.

Technical specifications

Characteristics

The damper blades open when overpressure/airflow acts on them.

The damper is provided with a sealing gasket, butterfly blades and a return spring that closes the blades when the pressure drops.

Closing the blades prevents the return of air to the duct.

The damper closure has an approximate class 2 tightness according to EN1751: 2002.

Dimensional range: Ø100, Ø125, Ø150, Ø160, Ø200, Ø250, Ø300, Ø315, Ø355, Ø400, Ø450, Ø500.



Materials

The cylinder is made of galvanized steel sheet. The blades are made of aluminum sheet.

Technical drawing

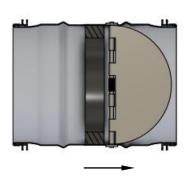


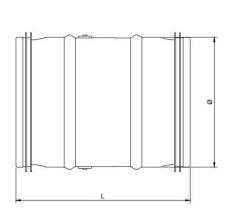


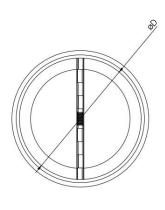












ØD [mm]	L [mm]			
100	130			
125	130			
150	130			
160	130			
200	130			
250	190			
300	190			
315	190			
355	270			
400	270			
450	270			
500	270			



Functional parameters

Air flow	Ø	100	125	160	200	250	315
[m ³ /h]	[mm]						
75	∆Pt [Pa]	55					
100	∆Pt [Pa]	53	26				
125	∆Pt [Pa]	65	32	14			
200	∆Pt [Pa]	85	35	18			
250	∆Pt [Pa]	98	37	15	15		
300	∆Pt [Pa]	140	43	18	18		
400	∆Pt [Pa]	200	58	23	21	21	
500	∆Pt [Pa]	248	71	24	23	23	
625	∆Pt [Pa]		95	27	23	23	
750	∆Pt [Pa]			32	26	24	23
875	∆Pt [Pa]			40	28	24.5	24
1000	∆Pt [Pa]			54	32	25	25
1125	∆Pt [Pa]			65	37	25	25
1250	∆Pt [Pa]				41	25.5	25
1375	∆Pt [Pa]				47	25.5	25
1500	∆Pt [Pa]				51	25.5	25
1625	∆Pt [Pa]					25.5	25
1750	∆Pt [Pa]					26	25
1875	∆Pt [Pa]					25.5	25
2000	∆Pt [Pa]					25.5	24.5
2125	∆Pt [Pa]					25.5	24
2250	∆Pt [Pa]					26	23
2375	∆Pt [Pa]						22
2500	∆Pt [Pa]						21
2750	∆Pt [Pa]						21
3000	∆Pt [Pa]						22
3250	∆Pt [Pa]						24
3500	∆Pt [Pa]						25
3750	∆Pt [Pa]						30

The legend ΔPt [Pa] - Pressure loss

Order code

Example on how to place an order

