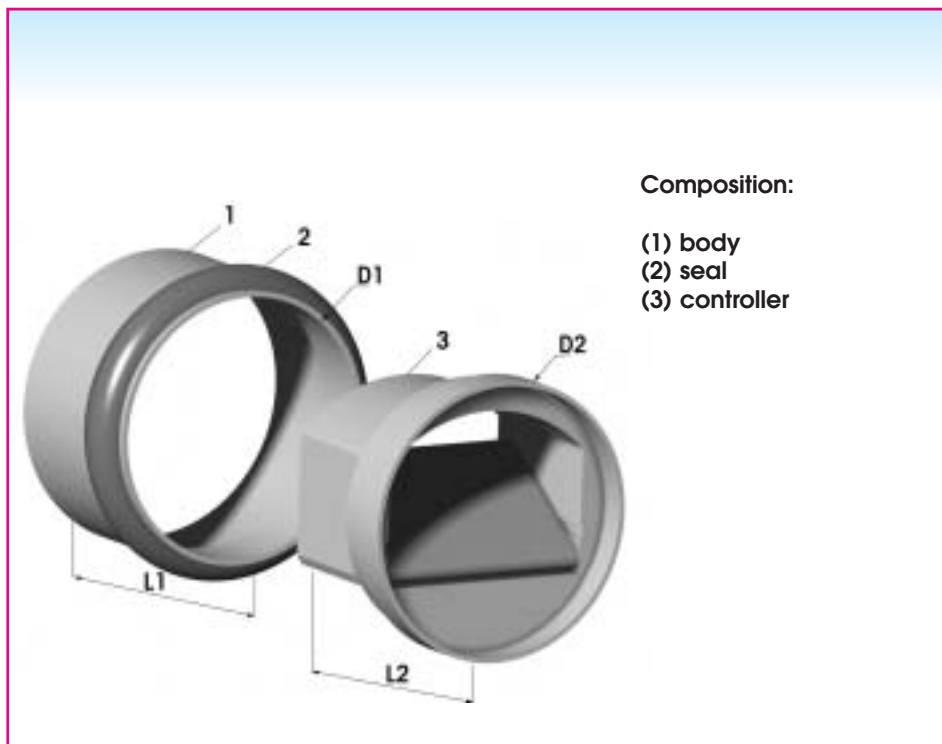


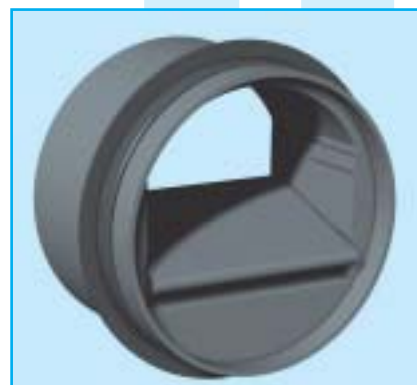
AUTOMATIC FLOW CONTROL VALVE HNRD

Installation dimensions



Composition:

- (1) body
- (2) seal
- (3) controller



Application

The RD flow controller is a component that is fitted in the air duct to ensure a constant air flow at a pressure between 50 and 200 Pa. The controller is used for ventilation and air-conditioning, for extraction and supply of air.

Fitting flow controllers in an air duct system has various advantages in comparison with other control systems (regulating valves, diaphragms, etc.).

- Setting and balancing the installation is not necessary.
- The air flow remains constant, irrespective of pressure fluctuations in the air lines

Selection table nr. 1

Dimension	ø D1 (mm)	L1 (mm)	ø D2 (mm)	L2 (mm)
ø 80	76	55	73	50
ø 100	95	60	93	55
ø 125	120	60	117	56
ø 160	156	120	152	82
ø 200	196	120	192	82
ø 250	244	120	242	82

Selection table nr. 2

RD	Air flow (m ³ /h)										
	15	30	45	50	60	75	90	100	120	150	180
ø 80	15	30	45	50	60						
ø 100	15	30	45	50	60	75	90	100			
ø 125	15	30	45	50	60	75	90	100	120	150	180
ø 160	120	150	180	210	240	270	300				
ø 200	210	240	270	300	350	400	450	500			
ø 250	300	350	400	450	500	550	600	650	700		

Technical information

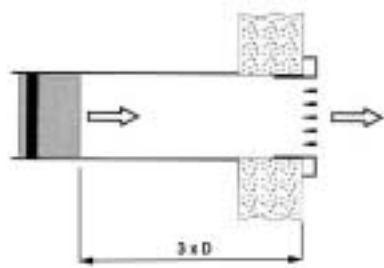
Characteristics :

- made of class M1 synthetic material
- temperature limit = 60°C
- operating pressure = 50 to 200 Pa for an air flow between 15 and 500 m³/h, and 80 to 200 Pa for greater air flows

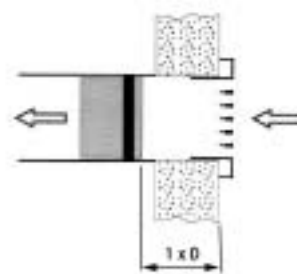
Fixing

- The flow controller is simply fitted by inserting it in the air duct. A brush seal ensures tightness.
- When the controller is connected to a grille, the minimum distance between the grille and the controller must at least be equal to the diameter for extraction and three times the diameter with a supply.
- The air direction as indicated on the sleeve must be respected.
- The controller must remain accessible so that necessary maintenance can be carried out.

Flow controller by pulsion



Flow controller by extraction



How to order

Automatic flow control valve, size 100 mm, for an air flow of 60 m³/h.

H	N	D	R	D				0	1	0	0	0	0	6	0
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Size

Air flow