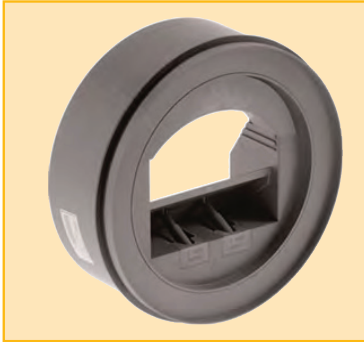


CONSTANT FLOW REGULATOR

TYPE: CFR • HP

Installation dimensions



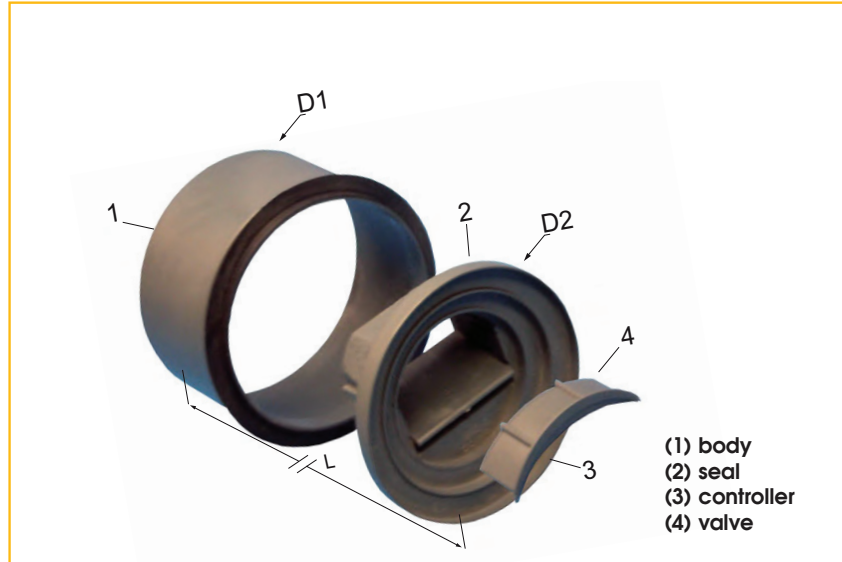
Application

The CFR HP, constant flow regulator is fitted in the air duct to ensure a constant air flow at a pressure between 150 and 600 Pa. The range covers an airflow range between 50 up to 1200 m³/h.

The controller is used for ventilation and air conditioning, for exhaust and supply of air.

The airflow is gradual adjustable by means of valves.

- maximum working temperature 60°C
- body, valve and piston made out of fire retardant plastics M1
- stainless steel calibrated spring
- rubber air-tight sealing



RD	80*	100*	125*	125	150	160	200	250
D1 (mm)	76	96	120	120	148	156	196	244
D2 (mm)	73	93	117	117	147	147	192	244
L (mm)	55	60	70	90	97	97	90	93

* from 25 to 150 m³/h

Ø	m ³ /h	how to order	Ø	m ³ /h	how to order
80	25	CFRHP 0080 0025	160	150	CFRHP 0160 0150
	50	CFRHP 0080 0050		200	CFRHP 0160 0200
	75	CFRHP 0080 0075		300	CFRHP 0160 0300
100	25	CFRHP 0100 0025		350	CFRHP 0160 0350
	50	CFRHP 0100 0050		400	CFRHP 0160 0400
	75	CFRHP 0100 0075	450	CFRHP 0160 0450	
	100	CFRHP 0100 0100	500	CFRHP 0160 0500	
	125	CFRHP 0100 0125	200	300	CFRHP 0200 0300
	150	CFRHP 0100 0150		350	CFRHP 0200 0350
125	25	CFRHP 0125 0025		400	CFRHP 0200 0400
	50	CFRHP 0125 0050		450	CFRHP 0200 0450
	75	CFRHP 0125 0075		500	CFRHP 0200 0500
	100	CFRHP 0125 0100		600	CFRHP 0200 0600
	125	CFRHP 0125 0125	700	CFRHP 0200 0700	
	150	CFRHP 0125 0150	800	CFRHP 0200 0800	
	200	CFRHP 0125 0200	250	500	CFRHP 0250 0500
	250	CFRHP 0125 0250		600	CFRHP 0250 0600
	300	CFRHP 0125 0300		700	CFRHP 0250 0700
	150	150		CFRHP 0150 0150	800
200		CFRHP 0150 0200		900	CFRHP 0250 0900
250		CFRHP 0150 0250		1000	CFRHP 0250 1000
300		CFRHP 0150 0300	1100	CFRHP 0250 1100	
350		CFRHP 0150 0350	1200	CFRHP 0250 1200	
400		CFRHP 0150 0400			
450		CFRHP 0150 0450			
500		CFRHP 0150 0500			

CONSTANT FLOW REGULATOR

TYPE: CFR • HP

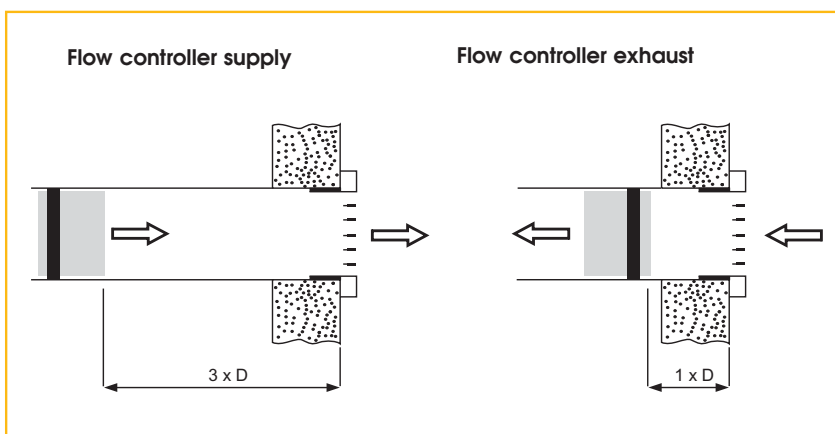
Technical information

Characteristics:

- made of class M1 synthetic material
- temperature limit = 60°C
- operating pressure = 50 to 600 Pa for an airflow between 50 and 1.200 m³/h

Fixing

- to be inserted inside round ducts
- to be placed at a minimum distance of 3 x the duct diameter for air supply grilles and at a minimum distance of 1 x duct diameter for air exhaust grilles
- to be placed according the marked airflow direction
- Horizontal and vertical mounting possible. Only for horizontal mounting "Bas/Down" has to be downwards.



How to order

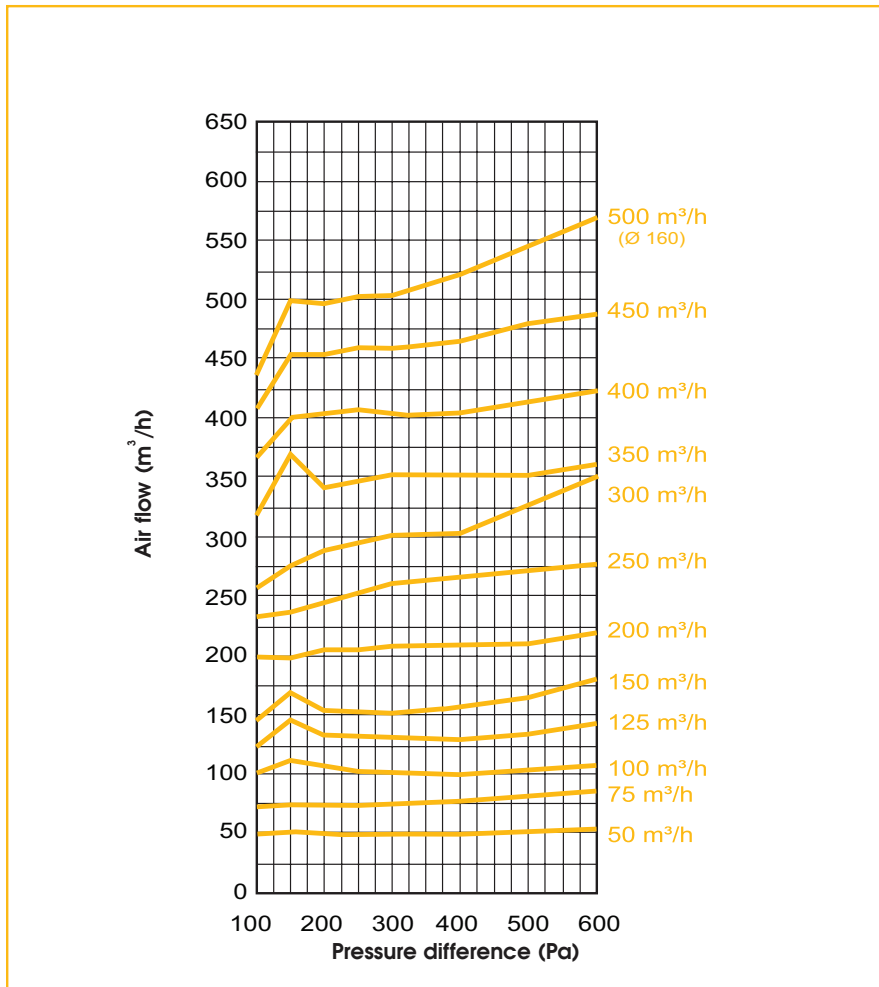
Constant Flow Regulator diameter 100 mm, for an air flow of 75 m³/h

C	F	R	H	P			0	1	0	0	0	0	7	5
							Diameter				Airflow			

CONSTANT FLOW REGULATOR

TYPE: CFR • HP

Selection diagram

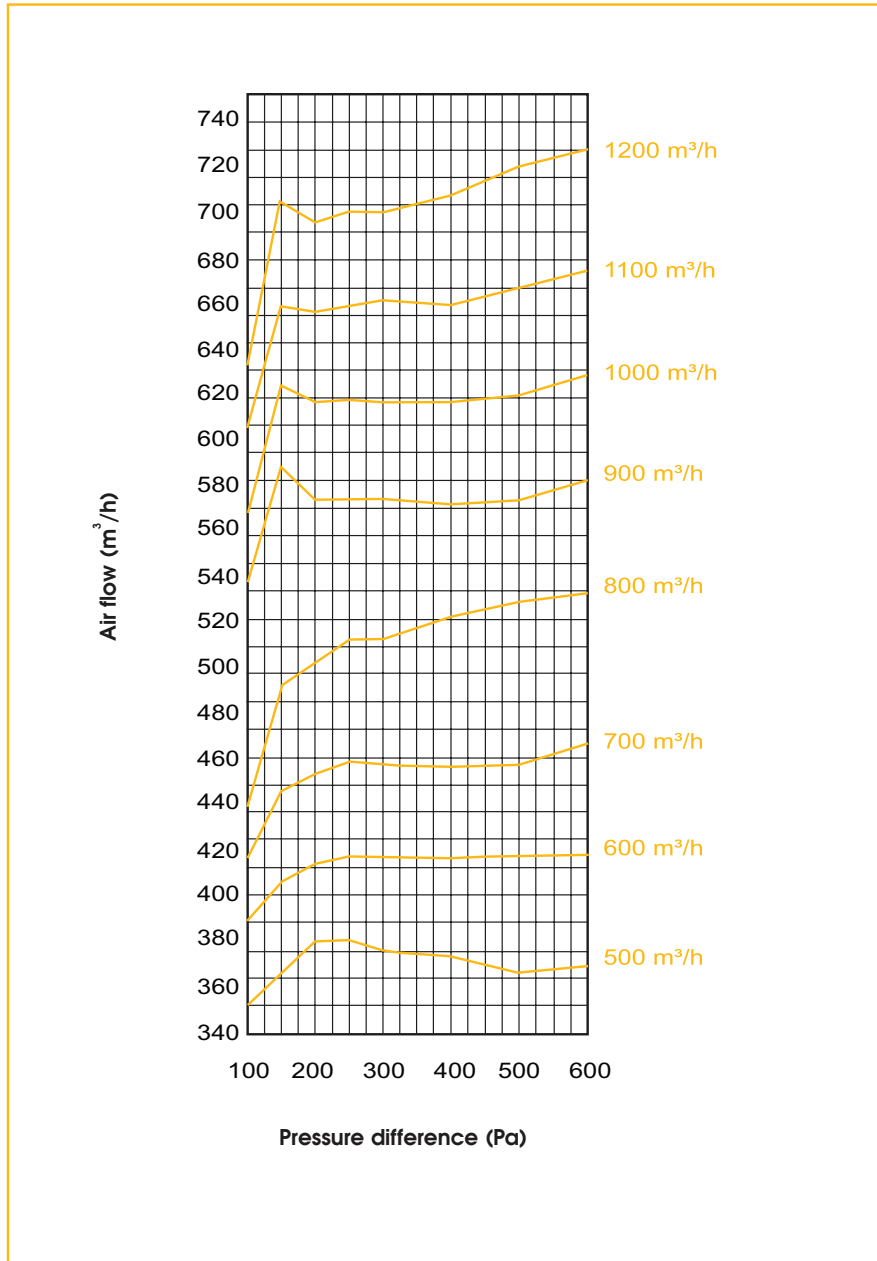


Caution: the values indicated are average values that can vary by $\pm 10\%$

CONSTANT FLOW REGULATOR

TYPE: CFR • HP

Selection diagram

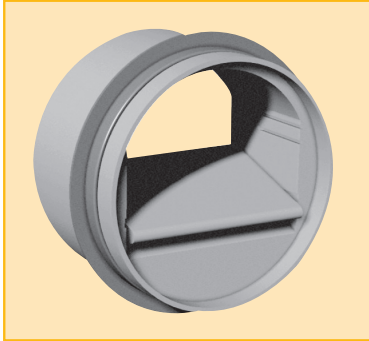


Caution: the values indicated are average values that can vary by $\pm 10\%$

CONSTANT FLOW REGULATOR

TYPE: CFR

Installation dimensions

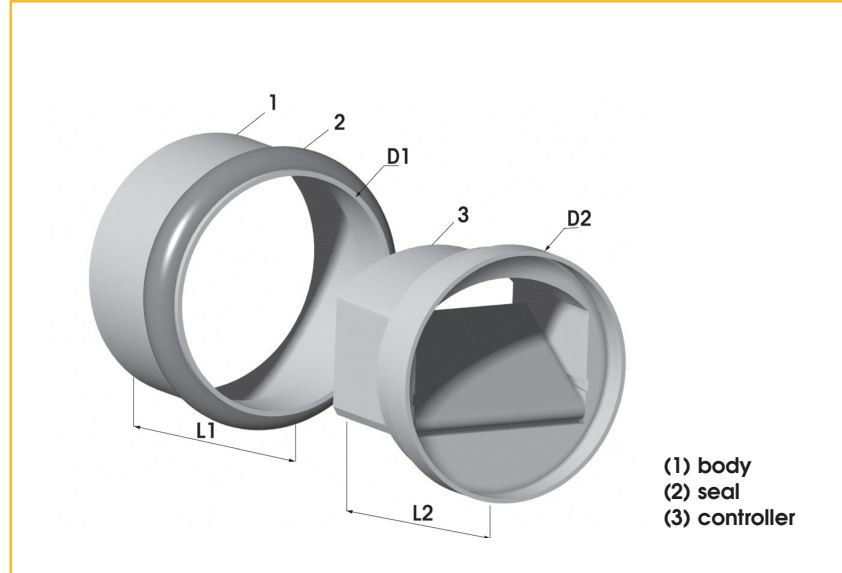


Application

The CFR, constant flow regulator 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 exhaust and supply of air.

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

Setting and adjusting the installation is not necessary. The airflow is gradual adjustable by means of valves.



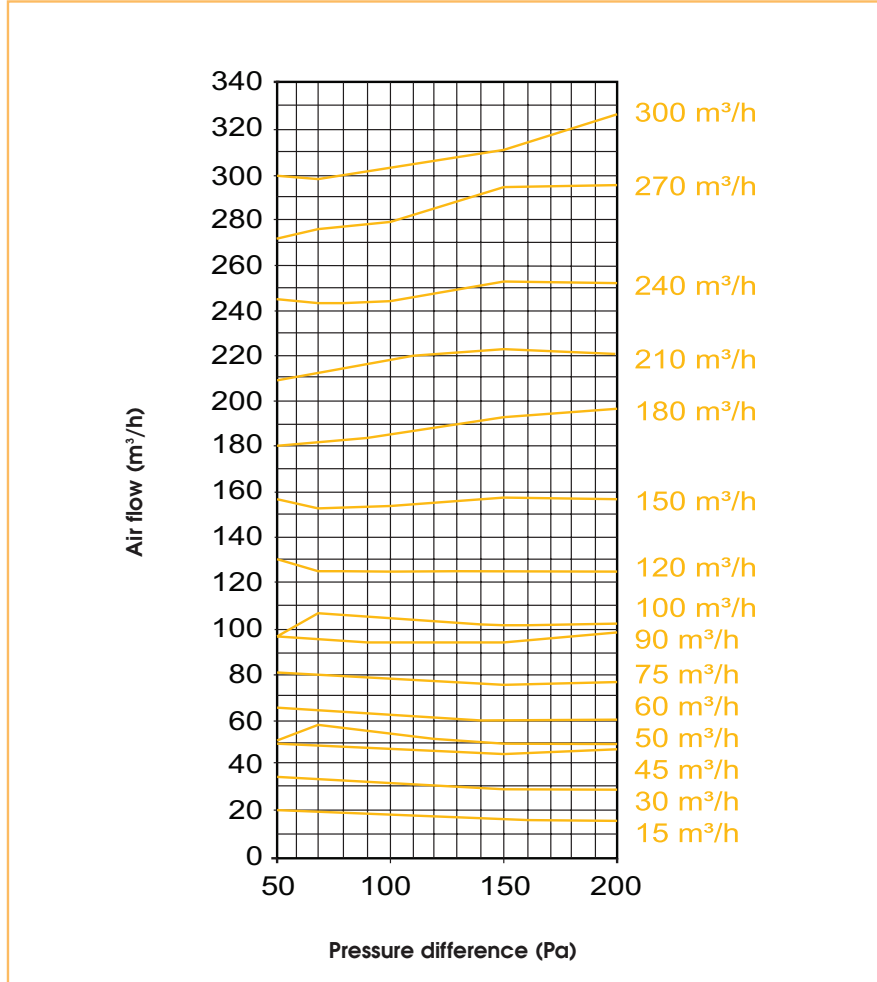
RD	80	100	125	150	160	200	250
D1 (mm)	76	96	120	148	156	196	244
D2 (mm)	73	93	117	147	147	192	244
L (mm)	55	60	90	97	97	90	93

Ø	m³/h	how to order	Ø	m³/h	how to order
80	15	CFR 0080 0015	160	120	CFR 0160 0120
	30	CFR 0080 0030		150	CFR 0160 0150
	45	CFR 0080 0045		180	CFR 0160 0180
100	15	CFR 0100 0015		210	CFR 0160 0210
	30	CFR 0100 0030		240	CFR 0160 0240
	45	CFR 0100 0045		270	CFR 0160 0270
	60	CFR 0100 0060	300	CFR 0160 0300	
	75	CFR 0100 0075	200	210	CFR 0200 0210
	90	CFR 0100 0090		240	CFR 0200 0240
100	CFR 0100 0100	270		CFR 0200 0270	
125	60	CFR 0125 0060		300	CFR 0200 0300
	75	CFR 0125 0075		350	CFR 0200 0350
	90	CFR 0125 0090		400	CFR 0200 0400
	100	CFR 0125 0100	450	CFR 0200 0450	
	120	CFR 0125 0120	500	CFR 0200 0500	
	150	CFR 0125 0150	250	300	CFR 0250 0300
180	CFR 0125 0180	350		CFR 0250 0350	
				400	CFR 0250 0400
				450	CFR 0250 0450
				500	CFR 0250 0500
				550	CFR 0250 0550
			600	CFR 0250 0600	
			650	CFR 0250 0650	
			700	CFR 0250 0700	

CONSTANT FLOW REGULATOR

TYPE: CFR

Selection diagram



Caution: the values indicated are average values that can vary by $\pm 5\%$.

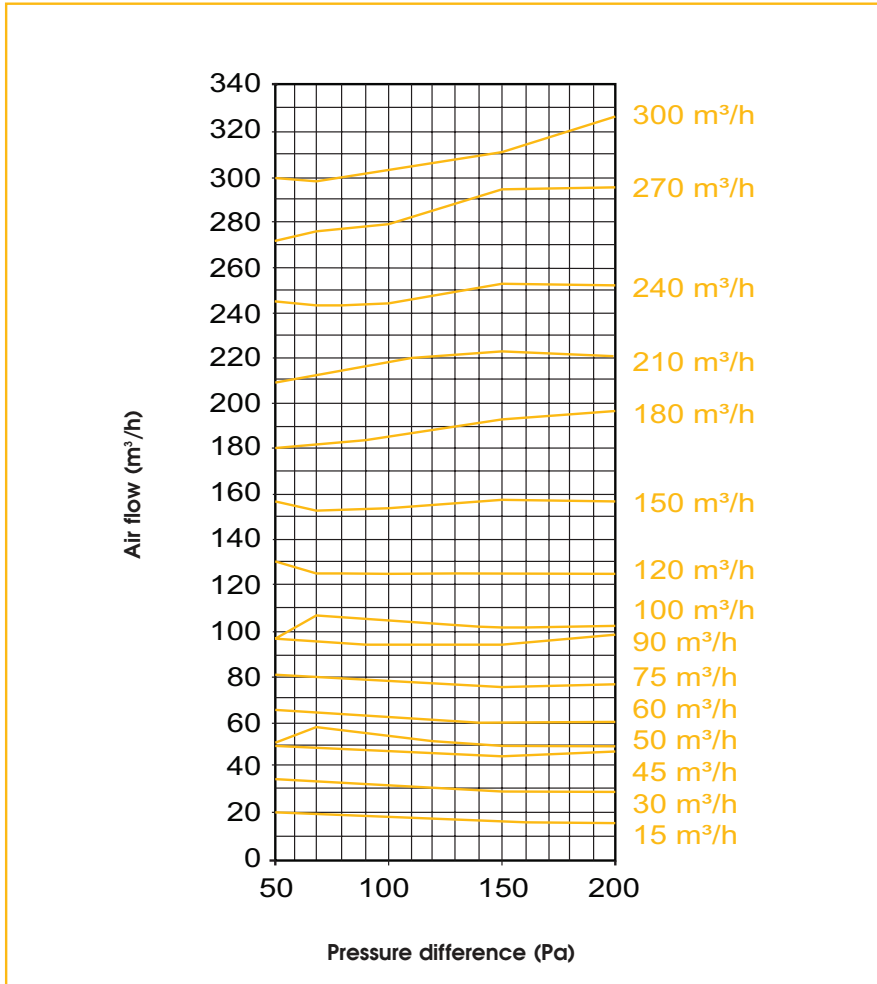
Airflow (m³/h)	L _w (NR)			
	50 Pa	100 Pa	150 Pa	200 Pa
15	25	29	32	35
30	26	31	35	38
45	27	33	36	39
60	32	37	39	42
75	32	37	40	42
90	32	38	41	44
120	30	34	39	42
150	33	37	41	45
180	34	40	44	47

Acoustic capacity level L_w, expressed in NR.

CONSTANT FLOW REGULATOR

TYPE: CFR

Selection diagram



Caution: the values indicated are average values that can vary by $\pm 5\%$

Airflow (m³/h)	L _w (NR)			
	50 Pa	100 Pa	150 Pa	200 Pa
15	25	29	32	35
30	26	31	35	38
45	27	33	36	39
60	32	37	39	42
75	32	37	40	42
90	32	38	41	44
120	30	34	39	42
150	33	37	41	45
180	34	40	44	47

Acoustic capacity level L_w, expressed in NR.