TECHNICAL DATA SHEET

Flow regulator

The Flow regulator is placed in a duct to obtain a constant flow rate in a pressure range between 50 and 250 Pascal. The Flow regulator is used for both supply and extraction.

The desired flow rate is easily regulated during assembly using a torx screwdriver.

Versions

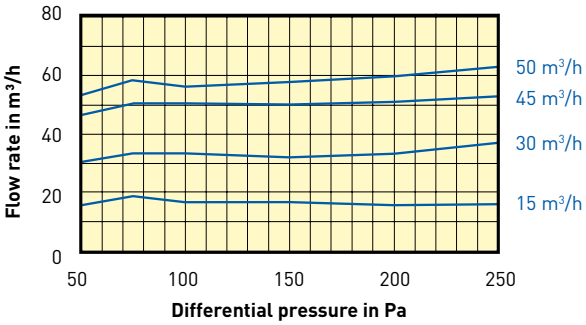
Type	Connection (diameter)	Depth (mm)	Article number
Flow regulator 15-50 m³/h	∅80	47	0000-4722
Flow regulator 15-50 m³/h	∅125	65	0000-4836
Flow regulator 50-100 m³/h	∅125	65	0000-4837

Physical properties

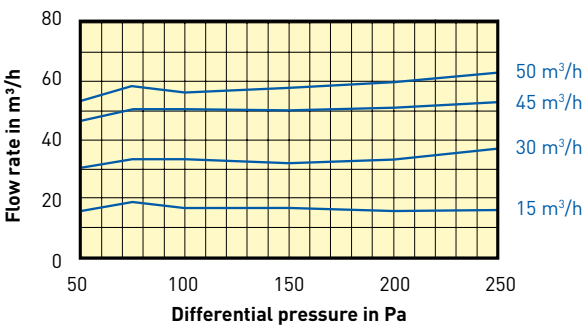
Material:	Plastic	
Fire rating:	Non-combustible (M1)	
Colour:	Black	
Maximum operating temperature:	60°C	
Weight:	(∅80): 80g	(∅125): 140g

Air-side properties

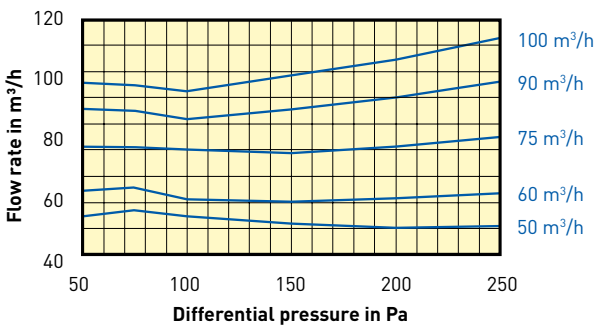
Flow regulator ∅80 - 15-50 m³/h



Flow regulator ∅125 - 15-50 m³/h



Flow regulator ∅125 - 50-100 m³/h



Acoustic properties (according to NF EN ISO 3741 and NF EN ISO 5135)

Flow regulator ∅80 - 15-50 m³/h

Flow rate (m³/h)	Differential pressure (Pa)	125 Hz (dB)	250 Hz (dB)	500 Hz (dB)	1000 Hz (dB)	2000 Hz (dB)	4000 Hz (dB)	8000 Hz (dB)	Lw (dB(A))
15	50	24	18	15	15	16	16	20	**24**
	100	25	22	21	25	25	21	20	**30**
	150	25	21	22	28	28	26	21	**33**
	200	25	23	24	30	30	27	23	**35**
	250	26	24	25	31	32	27	24	**37**
25	50	25	24	20	20	19	16	20	**26**
	100	25	25	26	30	26	21	20	**33**
	150	26	27	30	35	32	24	21	**38**
	200	27	28	33	38	38	28	23	**42**
	250	27	29	34	40	41	33	26	**45**
30	50	27	24	21	21	18	17	20	**27**
	100	27	26	27	30	26	20	20	**33**
	150	29	29	31	36	32	23	21	**39**
	200	30	31	35	40	37	27	23	**43**
	250	31	32	37	42	39	31	24	**45**
45	50	30	25	21	22	17	16	20	**27**
	100	32	28	26	29	27	19	20	**33**
	150	33	31	30	35	34	24	21	**39**
	200	35	33	33	37	38	27	23	**42**
	250	35	35	36	41	41	31	26	**45**
50	50	31	27	22	23	18	16	20	**28**
	100	32	29	27	30	28	19	20	**34**
	150	35	32	31	34	34	24	21	**38**
	200	36	35	34	37	38	27	23	**42**
	250	37	37	37	40	40	31	26	**45**

Flow regulator ∅125 - 15-50 m³/h

Flow rate (m³/h)	Differential pressure (Pa)	125 Hz (dB)	250 Hz (dB)	500 Hz (dB)	1000 Hz (dB)	2000 Hz (dB)	4000 Hz (dB)	8000 Hz (dB)	Lw (dB(A))
15	50	28	21	18	16	17	16	20	**25**
	100	28	22	21	23	25	18	20	**29**
	150	28	22	22	25	28	26	21	**32**
	200	28	23	24	28	29	27	25	**34**
	250	28	24	26	30	32	26	26	**36**
25	50	27	26	21	19	17	16	20	**26**
	100	27	28	27	28	24	20	20	**32**
	150	30	31	32	34	30	23	21	**37**
	200	31	33	35	38	37	29	24	**42**
	250	33	34	36	40	40	34	29	**45**
30	50	28	28	22	20	18	17	20	**27**
	100	28	29	27	28	24	19	20	**32**
	150	30	32	33	34	30	22	21	**37**
	200	33	35	37	39	36	26	24	**42**
	250	35	347	40	42	40	31	27	**46**
45	50	31	31	25	22	17	16	20	**28**
	100	29	30	29	29	26	18	20	**33**
	150	30	31	31	34	31	22	21	**37**
	200	33	34	34	37	36	26	24	**41**
	250	36	37	37	39	39	29	26	**44**
50	50	33	32	27	24	18	16	20	**30**
	100	32	31	30	30	26	18	20	**34**
	150	33	33	31	33	31	22	21	**37**
	200	37	36	35	36	36	27	24	**41**
	250	39	39	37	39	39	30	27	**44**

Flow regulator ∅125 - 50-100 m³/h

Flow rate (m³/h)	Differential pressure (Pa)	125 Hz (dB)	250 Hz (dB)	500 Hz (dB)	1000 Hz (dB)	2000 Hz (dB)	4000 Hz (dB)	8000 Hz (dB)	Lw (dB(A))
50	50	30	27	24	21	18	16	20	**27**
	100	31	30	30	30	27	18	20	**34**
	150	30	32	33	35	33	22	22	**39**
	200	32	34	36	39	38	27	25	**43**
	250	32	36	37	41	41	31	28	**45**
60	50	35	33	26	23	20	16	20	**30**
	100	28	30	31	31	28	19	20	**35**
	150	31	33	34	36	34	23	22	**39**
	200	34	36	36	39	38	28	25	**43**
	250	34	38	38	41	41	31	29	**45**
75	50	37	35	28	24	19	16	20	**31**
	100	30	31	31	31	28	19	21	**35**
	150	32	33	33	35	34	24	22	**39**
	200	34	36	36	38	38	28	26	**43**
	250	35	38	38	40	40	31	29	**45**
90	50	39	36	29	26	20	17	20	**32**
	100	32	31	31	31	29	20	21	**35**
	150	32	33	33	35	34	24	22	**39**
	200	35	36	36	38	38	28	26	**43**
	250	36	38	38	40	40	31	29	**45**
100	50	41	39	31	27	22	17	20	**34**
	100	32	33	32	32	30	20	21	**36**
	150	33	34	34	36	35	25	23	**40**
	200	35	37	37	38	38	29	27	**43**
	250	37	39	39	41	40	32	31	**45**