

Iris regulating damper



DESCRIPTION

Galvanised round iris regulating damper with manual control, equipped with 2 manometer connections for airflow measurement. The iris-type closure allows airflow control with low turbulence and duct noise. The lever and iris regulating plates mechanism allows smooth adjustment of the orifice opening. The iris damper can be fully opened for easy cleaning of the ductwork. However, the iris damper cannot close completely, in fully closed position there will still be about 25% free passage. The casing airtightness meets class C according EN1751. Both flange connections are fitted with EPDM gaskets.

Airtight casing: Class C EN12237
Galvanised steel sheet

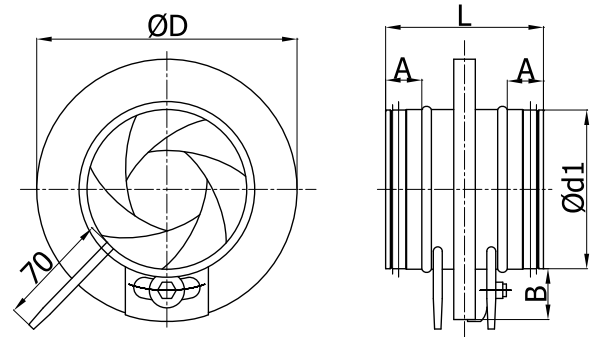
PRODUCT KEY

IRIS - 200

type _____
Ød₁ _____

IRIS — regulating damper with gaskets at flanged ends

DIMENSIONS



Ød _{1, nom} [mm]	ØD [mm]	L [mm]	A [mm]	B [mm]	Weight [kg]
80	125	120	35	22	0.5
100	165	110	30	32	0.5
125	188	110	30	32	0.7
160	230	110	30	35	0.9
200	285	110	30	42	1.4
250	335	135	40	42	2.1
315	410	135	40	47	3.5
400	525	150	50	62	6.4
500	655	150	50	77	9.6
630	815	150	50	92	15.6

TECHNICAL SPECIFICATIONS

K-value for various damper settings

$$q_v \text{ [l/s]} = k \sqrt{\Delta p_m}$$

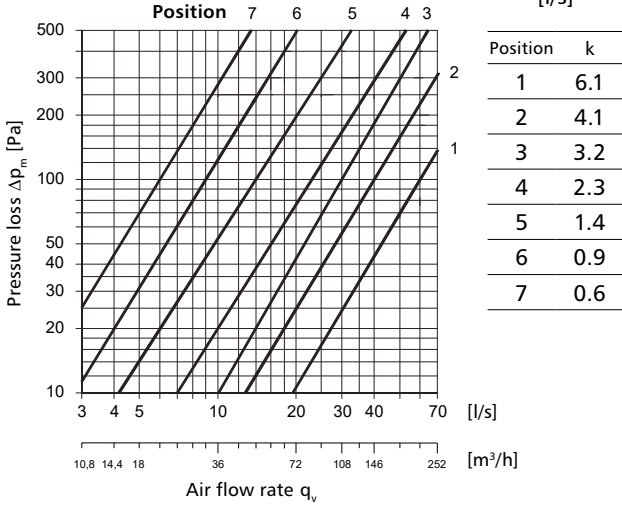
$$\text{[m}^3\text{/h]} = 3.6 * \text{[l/s]}$$

Position	k							
	1	2	3	4	5	6	7	8
IRIS080	6.1	4.1	3.2	2.3	1.4	0.9	0.6	-
IRIS100	10.4	7.5	6.0	4.5	3.4	2.5	1.7	0.9
IRIS125	13.8	8.8	6.5	4.7	3.5	2.7	1.5	-
IRIS160	22.1	14.8	12.5	10.7	8.5	6.8	4.9	3.5
IRIS200	44.2	30.9	23.2	18.2	14.0	11.0	8.4	5.0
IRIS250	64.4	45.6	38.7	30.7	24.1	18.4	12.8	8.9
IRIS315	118.0	70.0	58.7	45.1	37.0	30.0	21.8	15.8
IRIS400	131.0	102.0	88.3	67.3	52.7	38.5	28.4	15.5
IRIS500	230.0	177.0	146.0	112.0	88.5	66.6	48.0	30.0
IRIS630	451.0	297.0	238.0	169.0	127.0	91.6	62.8	35.1

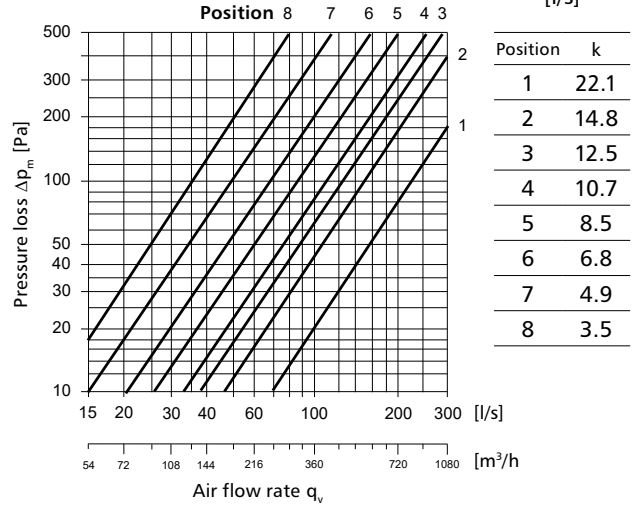
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TECHNICAL SPECIFICATIONS

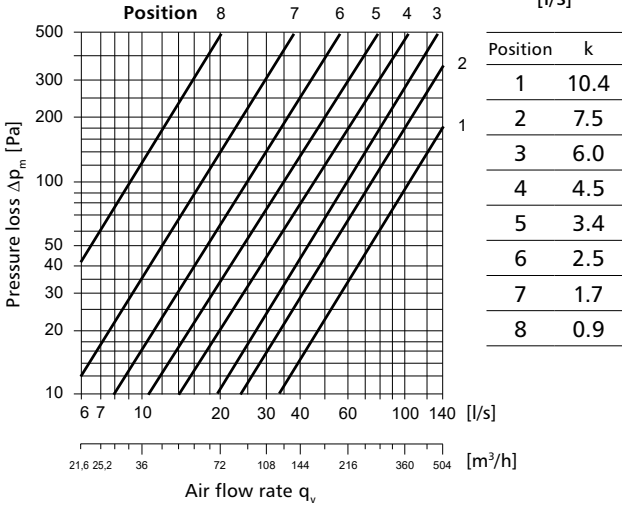
IRIS 80



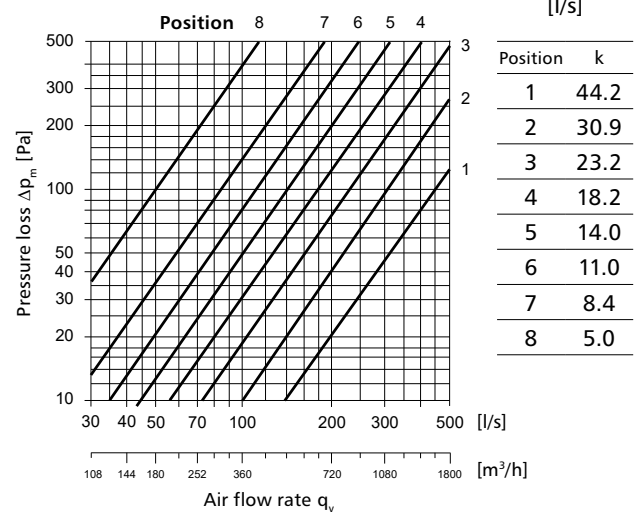
IRIS 160



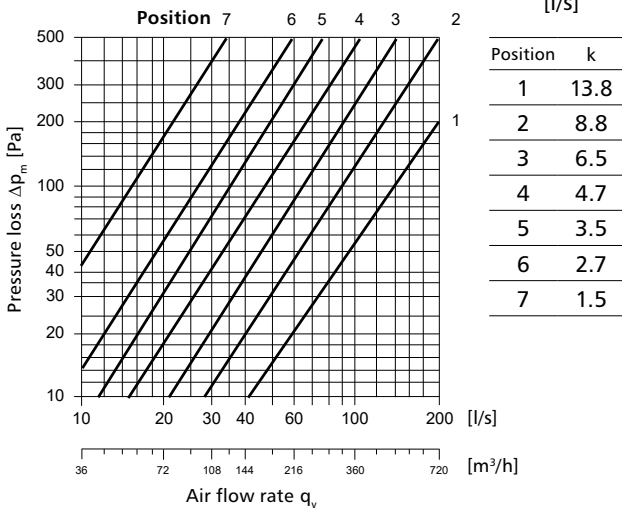
IRIS 100



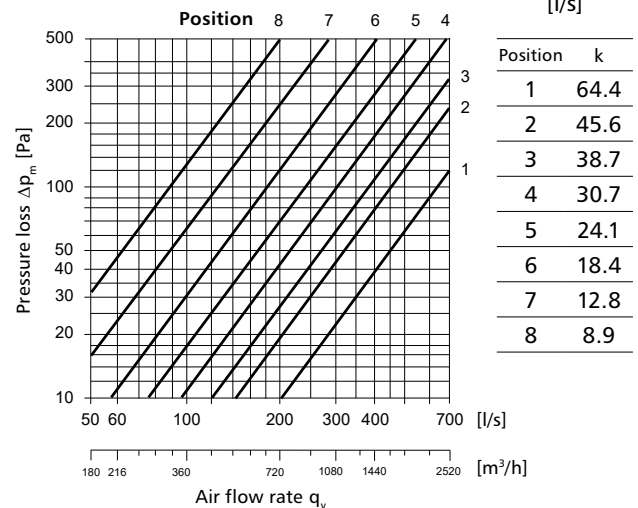
IRIS 200



IRIS 125



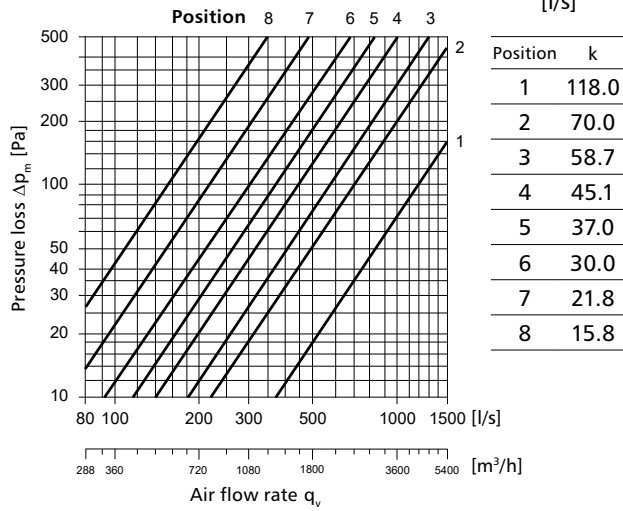
IRIS 250



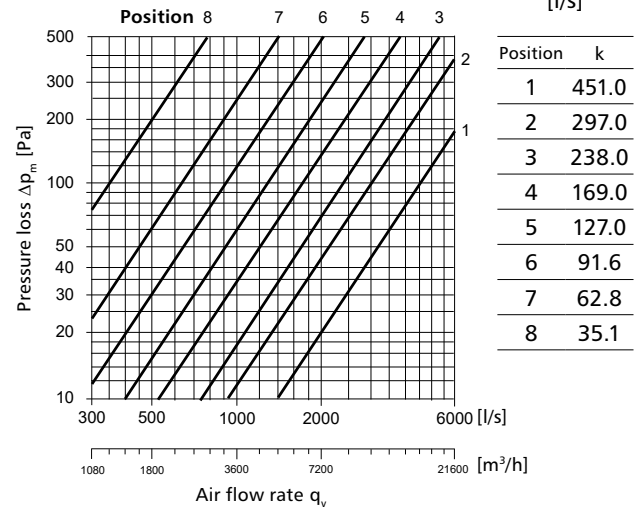
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TECHNICAL SPECIFICATIONS

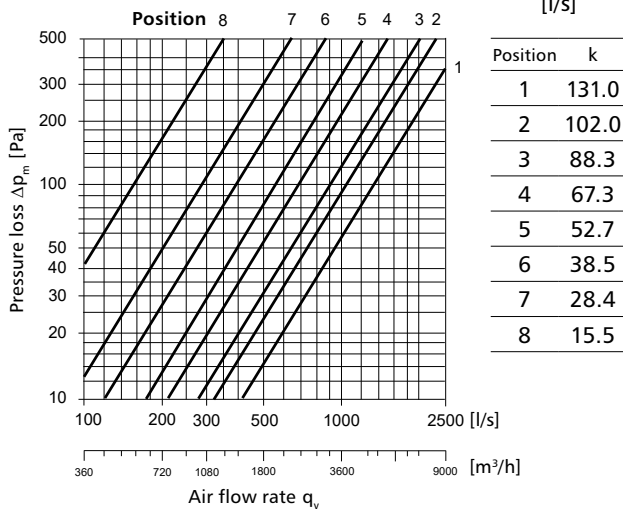
IRIS 315



IRIS 630



IRIS 400



IRIS 500

