

KRI-T Damper with flow meter

KRI-T is an iris-type damper for measuring and regulating air flow.

Air flow measuring and regulating is done easily by using measuring nozzles and turning the regulating bolt, which turns the blades. See: Measuring and regulating air flows.

By opening the blades a full access to the system is provided for cleaning.

Tightness class EN 1751, class C.

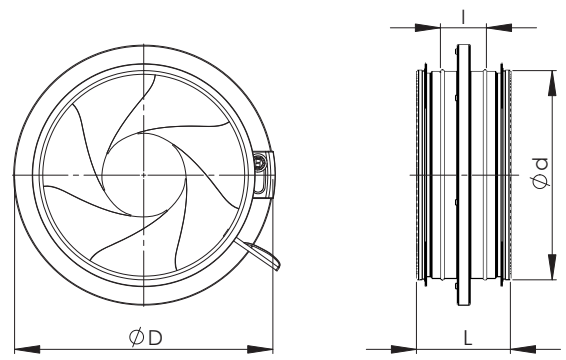


Structure and dimensions

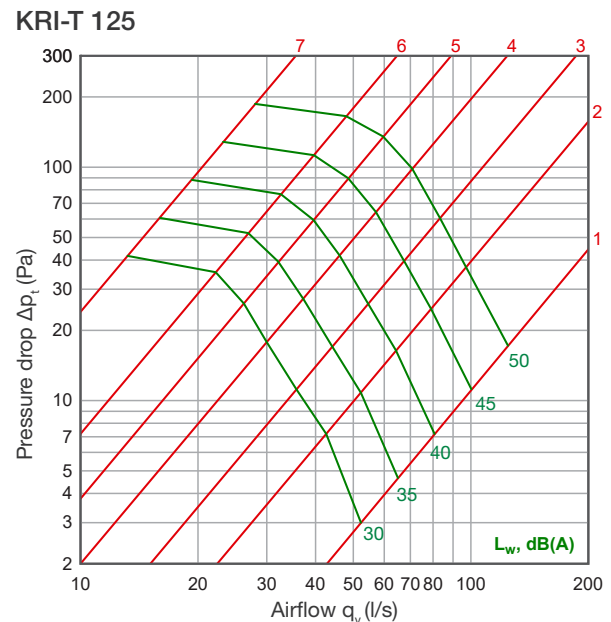
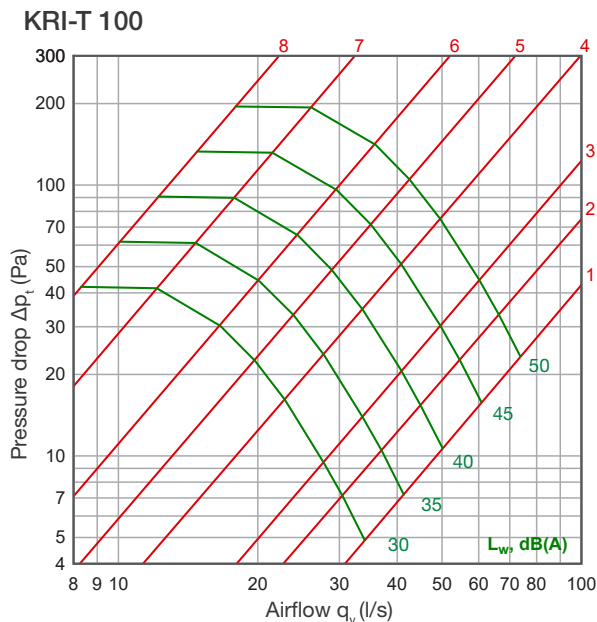
The damper and blades are manufactured of galvanized steel. Regulating bolt, regulating graph and measuring nozzles are made of plastic.

Duct connections with rubber gaskets. Measuring nozzles on both sides of the blades.

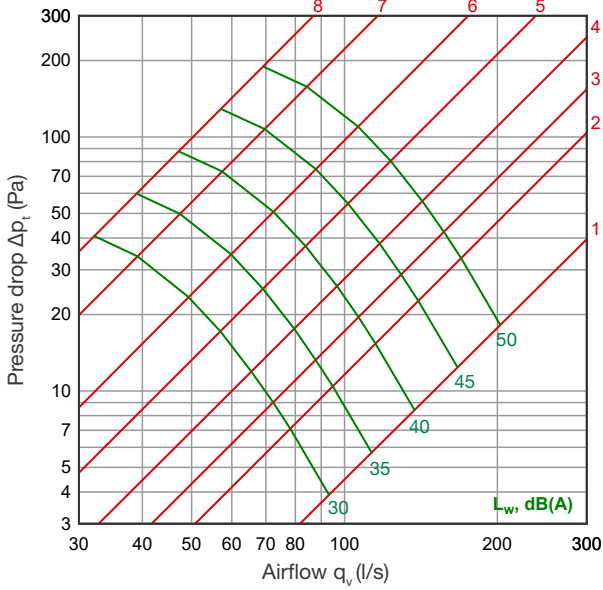
Nominal size, Ød mm	ØD mm	l mm	L mm	Weight, kg
KRI-T 100	160	58	198	0,8
KRI-T 125	185	58	198	1,0
KRI-T 160	225	60	200	1,4
KRI-T 200	280	70	210	1,8
KRI-T 250	330	63	285	2,7
KRI-T 315	405	63	287	3,5
KRI-T 400	525	44	274	8,1
KRI-T 500	655	55	325	12,1
KRI-T 630	815	55	325	18,7
KRI-T 800	1015	70	270	28,0



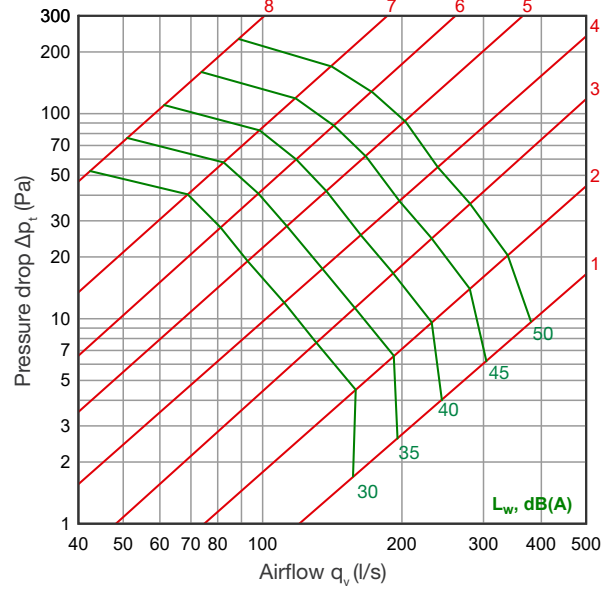
Technical data



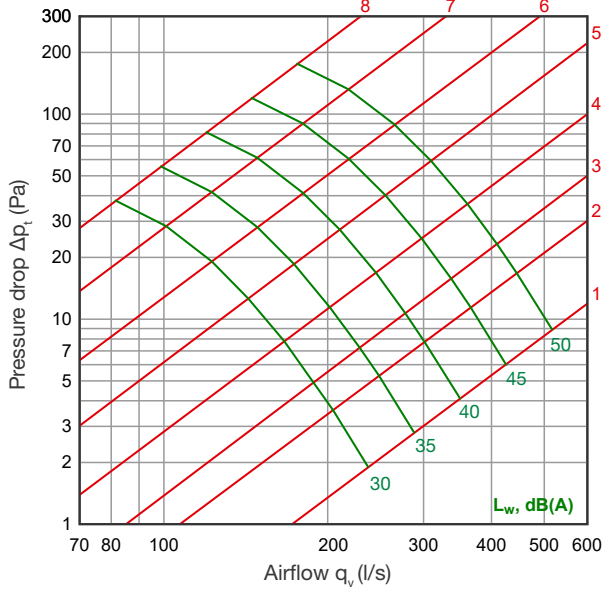
KRI-T 160



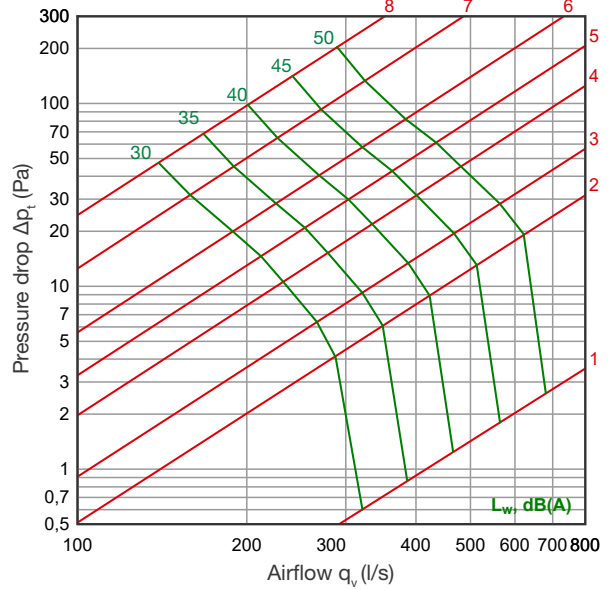
KRI-T 200



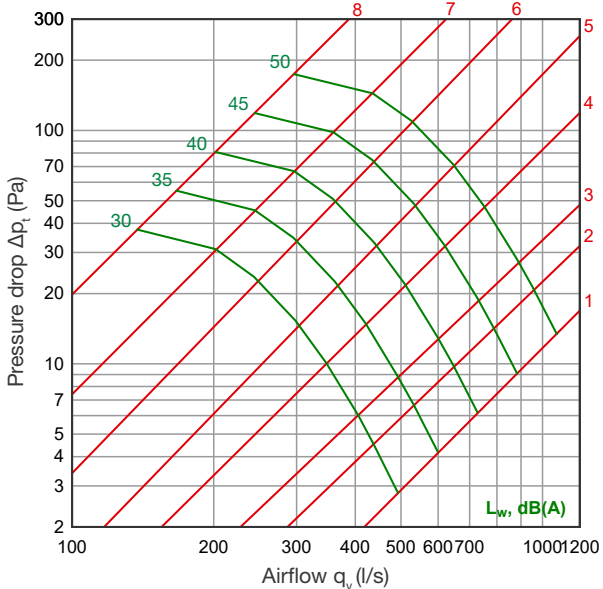
KRI-T 250



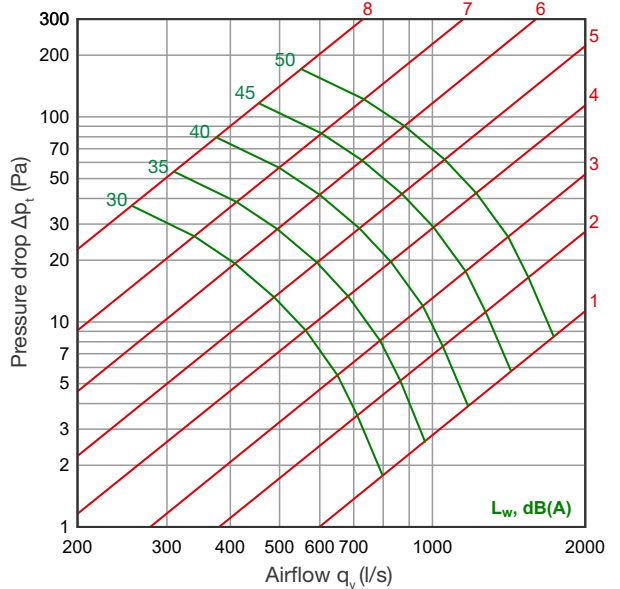
KRI-T 315

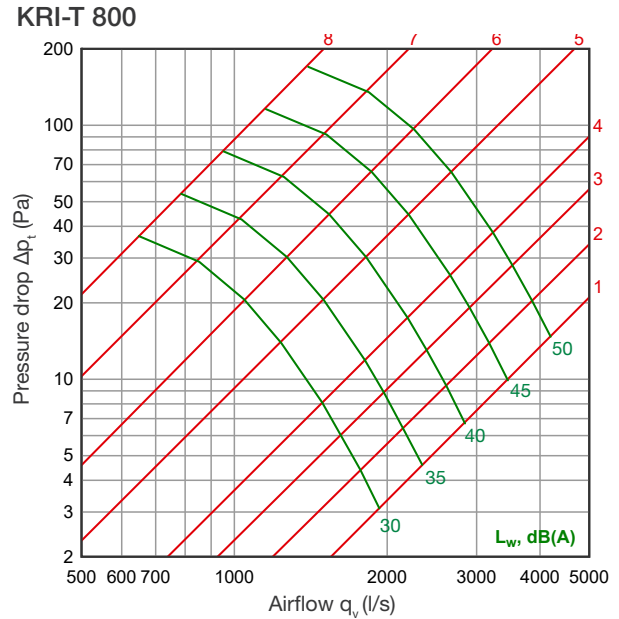
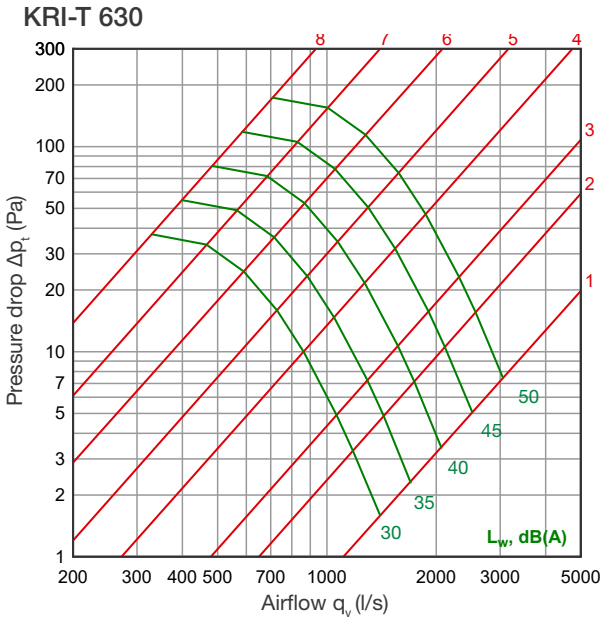


KRI-T 400



KRI-T 500





Sound power level L_w

	Correction of sound level K_{okt} [dB]							
	63	125	250	500	1000	2000	4000	8000
KRI-T 100	8	7	4	-3	-8	-15	-18	-25
KRI-T 125	9	7	3	-3	-8	-13	-18	-24
KRI-T 160	11	9	4	-3	-9	-12	-18	-25
KRI-T 200	14	9	3	-3	-9	-11	-18	-25
KRI-T 250	16	10	2	-4	-8	-12	-21	-26
KRI-T 315	19	10	2	-5	-7	-14	-23	-26
KRI-T 400	19	8	2	-3	-8	-15	-22	-26
KRI-T 500	19	6	3	-2	-9	-15	-20	-25
KRI-T 630	20	8	2	-3	-9	-15	-20	-26
KRI-T 800	21	9	2	-4	-10	-15	-20	-27
Tolerance ±	4	4	4	4	4	4	4	4

The sound power levels of the duct for every octave band are obtained by adding the corrections K_{okt} of octave bands (see table above) to the total sound pressure level L_{p10A} , dB(A), according to the following formula:

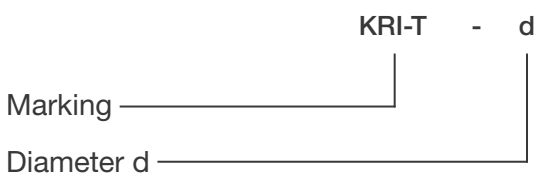
$$L_{Wokt} = L_{p10A} + K_{okt}$$

Correction K_{okt} is the average in the range of use of the regulation and measuring device.

Data for smoke restriction

KRI-T-100 and KRI-T-125 meet the requirements of RakMK E7:2004 for dampers (42 dm³/s, 100 Pa), when KRI-T-100 regulation value ≥ 6,0 and KRI-T-125 regulation value ≥ 5,5.

Product code



Example: KRI-T 100