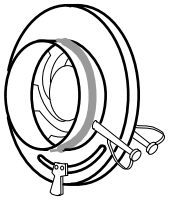
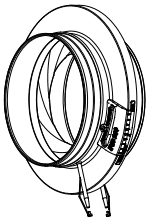
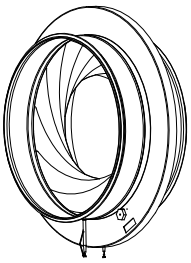


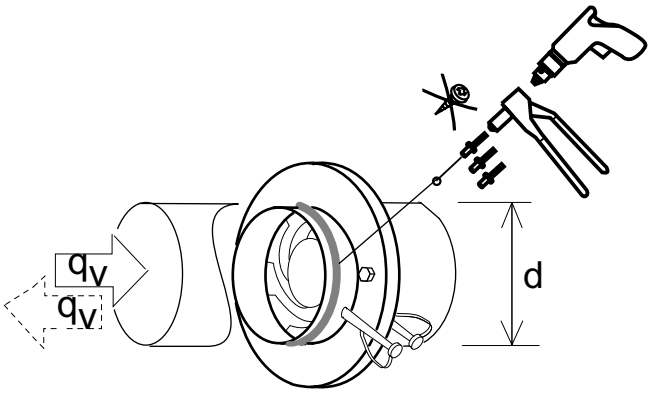
IRIS 80

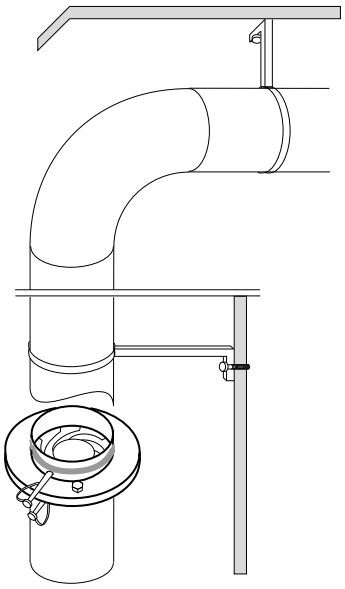


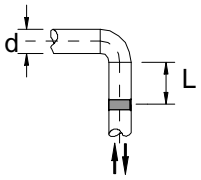
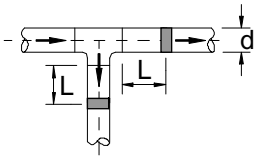
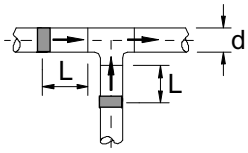
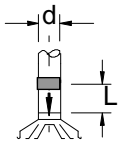
IRIS 100...315



IRIS 400...800

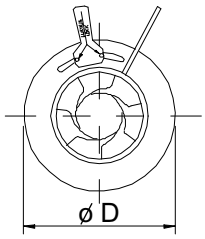


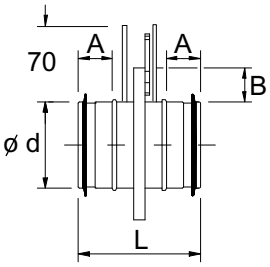


	L_{min}	
	m_2 = ±7 %	m_2 =±10 %
	≥1d	≥1d
	≥4d	≥2d
	≥2d	≥2d
	≥2d	≥2d

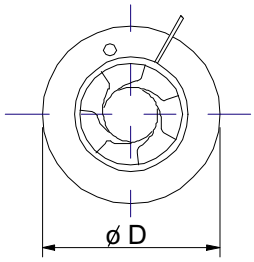
m_2 = ±5 %: L_{min} ≥10d

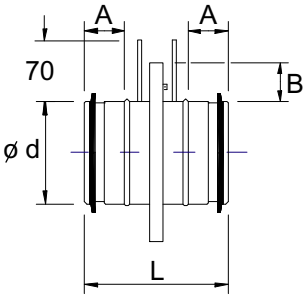
IRIS 80





IRIS 100...800



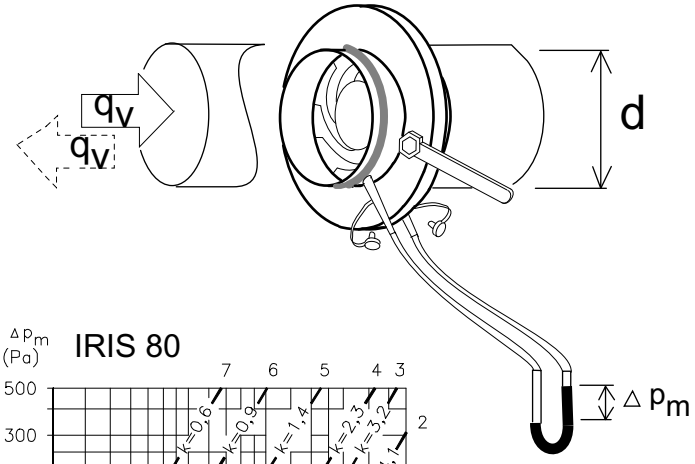


IRIS	ø d	ø D	L	A	B
80	79	125	120	35	22
100	99	165	110	30	32
125	124	188	110	30	32
150	149	230	110	30	40
160	159	230	110	30	35
200	199	285	110	30	42
250	249	335	132	40	42
315	314	410	132	40	47
400	398	525	155	50	62
500	498	655	170	50	77
630	628	815	170	50	92
800	798	1015	270	100	107

FläktWoods

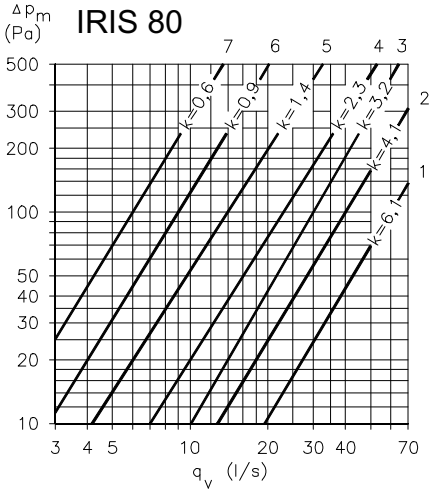
q_v

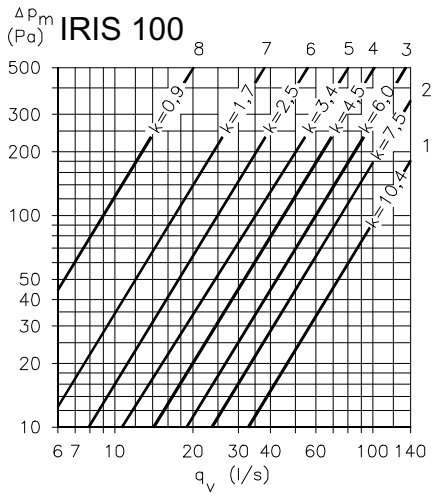
	k														
IRIS	1	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	6,5	7	7,5	8
80	6,1	-	4,1	-	3,2	-	2,3	-	1,4	-	0,9	-	0,6	-	-
100	10,4	7,9	7,5	6,6	6,0	5,2	4,5	3,8	3,4	2,9	2,5	2,1	1,7	1,2	0,9
125	13,8	10,4	8,8	7,3	6,5	5,5	4,7	4,0	3,5	3,1	2,7	2,2	1,5	-	-
150	24,1	20,0	16,5	14,9	13,4	12,0	11,0	10,0	8,9	7,9	6,9	6,0	5,2	4,4	3,7
160	22,1	17,2	14,8	13,4	12,5	11,5	10,7	9,5	8,5	7,5	6,8	5,6	4,9	4,0	3,5
200	44,2	36,6	30,9	26,9	23,2	20,6	18,2	15,9	14,0	12,3	11,0	9,6	8,4	6,5	5,0
250	64,4	53,5	45,6	41,8	38,7	34,5	30,7	27,3	24,1	21,4	18,4	15,8	12,8	10,9	8,9
315	118,0	88,3	70,0	64,5	58,7	53,0	45,1	42,4	37,0	33,3	30,0	25,9	21,8	19,0	15,8
400	131,0	-	102,0	-	88,3	-	67,3	-	52,7	-	38,5	-	28,4	-	15,5
500	230,0	-	177,0	-	146,0	-	112,0	-	88,5	-	66,6	-	48,0	-	30,0
630	451,0	-	297,0	-	238,0	-	169,0	-	127,0	-	91,6	-	62,8	-	35,1
800	489,0	-	402,0	-	344,0	-	267,0	-	217,0	-	170,0	-	122,0	-	73,7

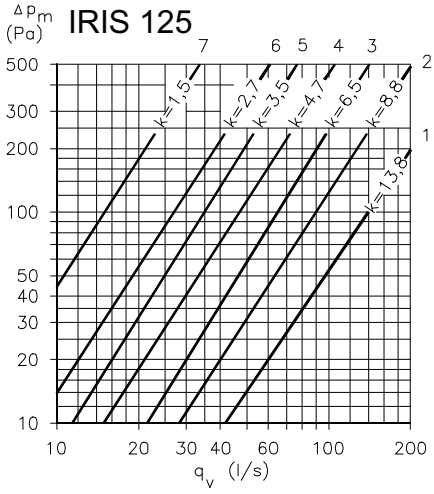


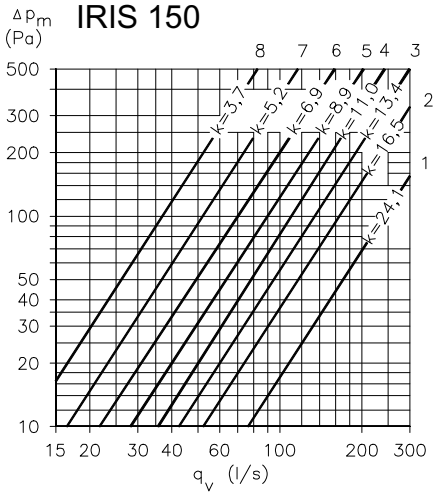
$$q_v = k\sqrt{\Delta p_m}$$

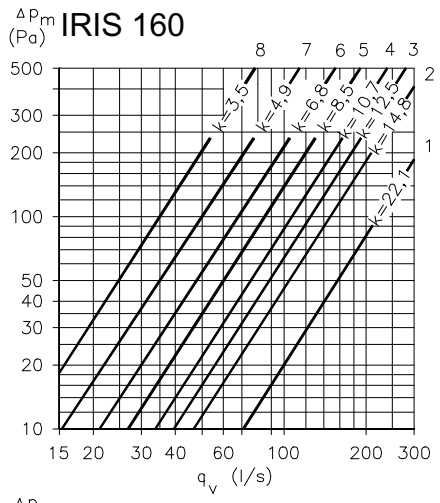
(l/s) (Pa)

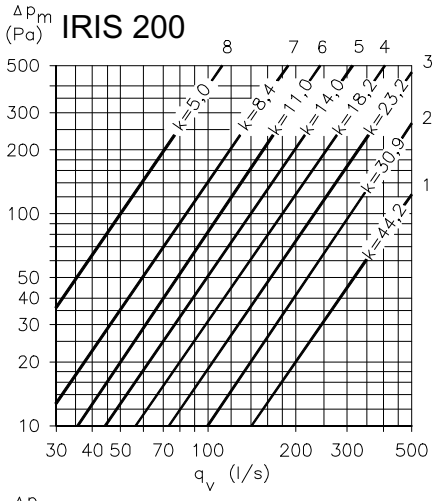


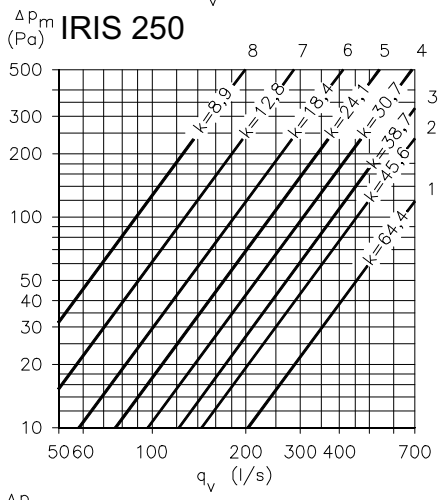


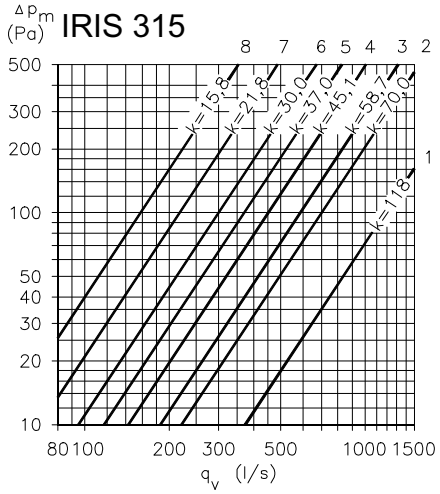


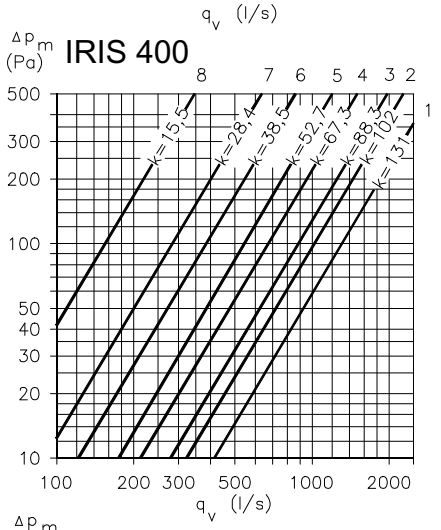


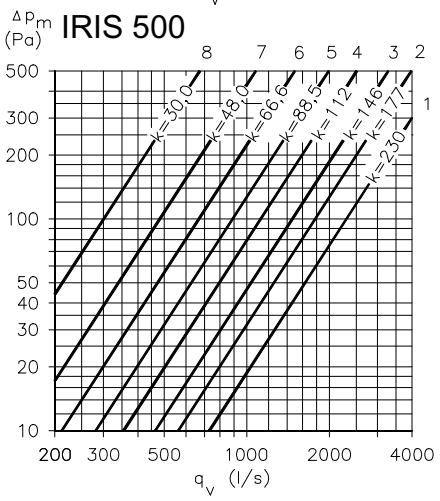

Δpm (Pa)
IRIS 160
8 7 6 5 4 3
2
1
k=3,5
k=4,9
k=6,8
k=8,5
k=10,7
k=12,5
k=14,8
k=22,1
500 300 200 100 50 40 30 20 10
15 20 30 40 60 100 200 300
qv (l/s)

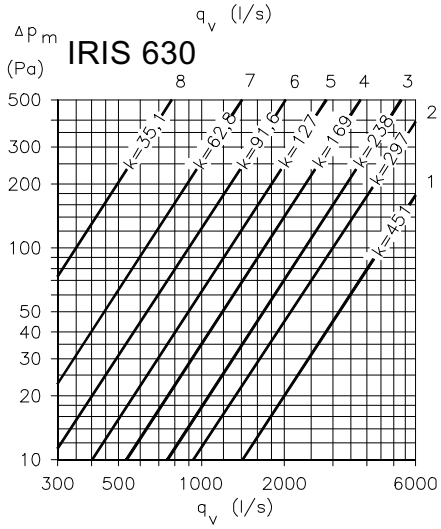

Δpm (Pa)
IRIS 200
8 7 6 5 4
3
2
1
k=5,0
k=8,4
k=11,0
k=14,0
k=18,2
k=23,2
k=30,9
k=44,2
500 300 200 100 50 40 30 20 10
30 40 50 70 100 200 300 500
qv (l/s)

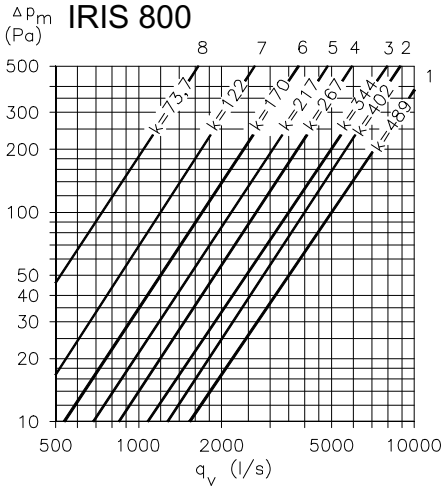

Δpm (Pa)
IRIS 250
8 7 6 5 4
3
2
1
k=8,9
k=12,8
k=18,4
k=24,1
k=30,7
k=38,7
k=45,6
k=64,4
500 300 200 100 50 40 30 20 10
50 60 100 200 300 400 700
qv (l/s)

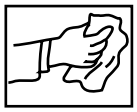

Δpm (Pa)
IRIS 315
8 7 6 5 4 3 2
1
k=15,8
k=21,8
k=30,0
k=37,0
k=45,1
k=58,7
k=70,0
k=118
500 300 200 100 50 40 30 20 10
80 100 200 300 500 1000 1500
qv (l/s)


Δpm (Pa)
IRIS 400
8 7 6 5 4 3 2
1
k=15,5
k=26,4
k=38,5
k=52,7
k=67,3
k=88,3
k=102
k=131
500 300 200 100 50 40 30 20 10
100 200 300 500 1000 2000
qv (l/s)

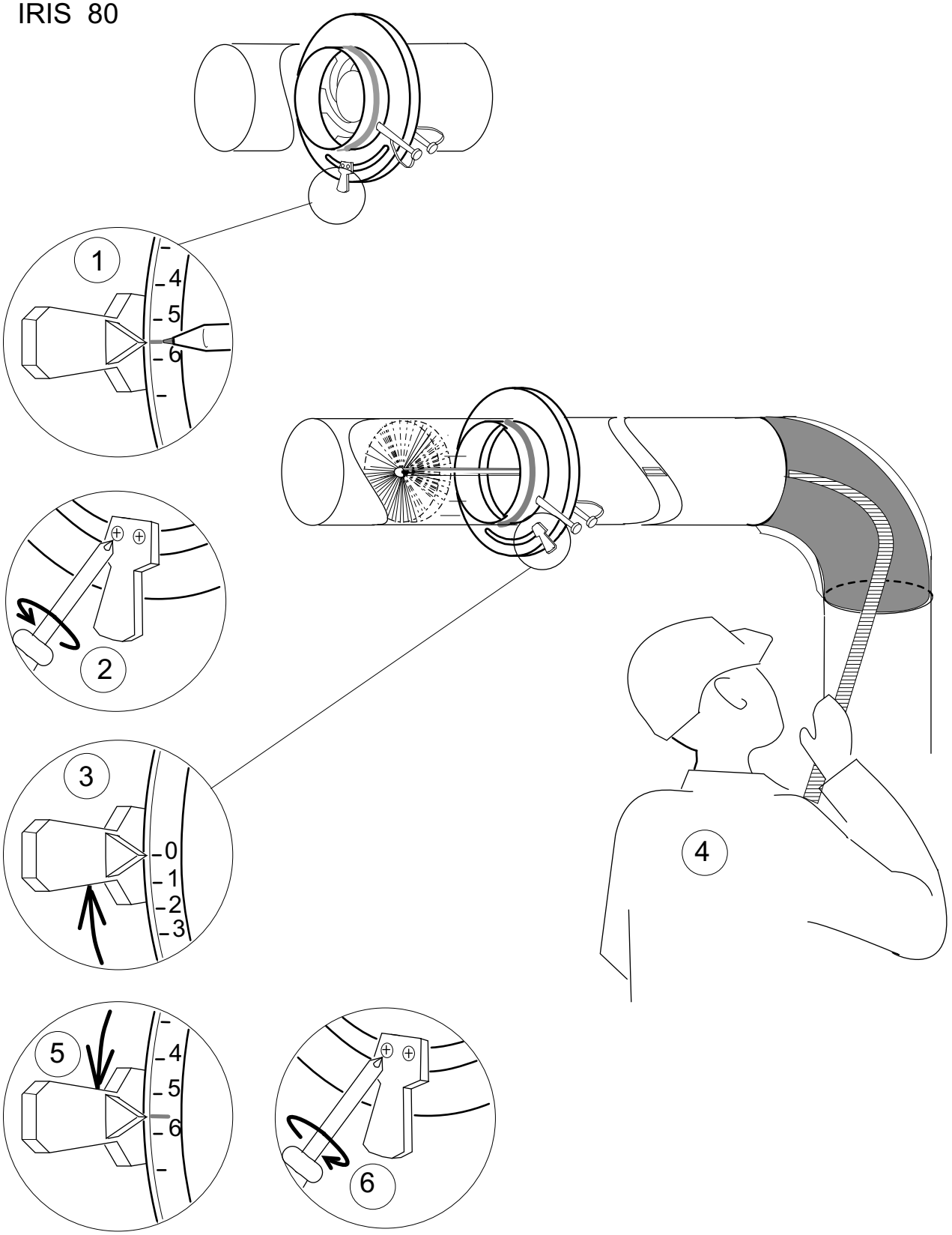

Δpm (Pa)
IRIS 500
8 7 6 5 4 3 2
1
k=30,0
k=48,0
k=66,6
k=88,5
k=112
k=146
k=177
k=230
500 300 200 100 50 40 30 20 10
200 300 500 1000 2000 4000
qv (l/s)

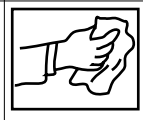

Δpm (Pa)
IRIS 630
8 7 6 5 4 3
2
1
k=35,1
k=62,8
k=91,6
k=127
k=169
k=238
k=297
k=451
500 300 200 100 50 40 30 20 10
300 500 1000 2000 6000
qv (l/s)

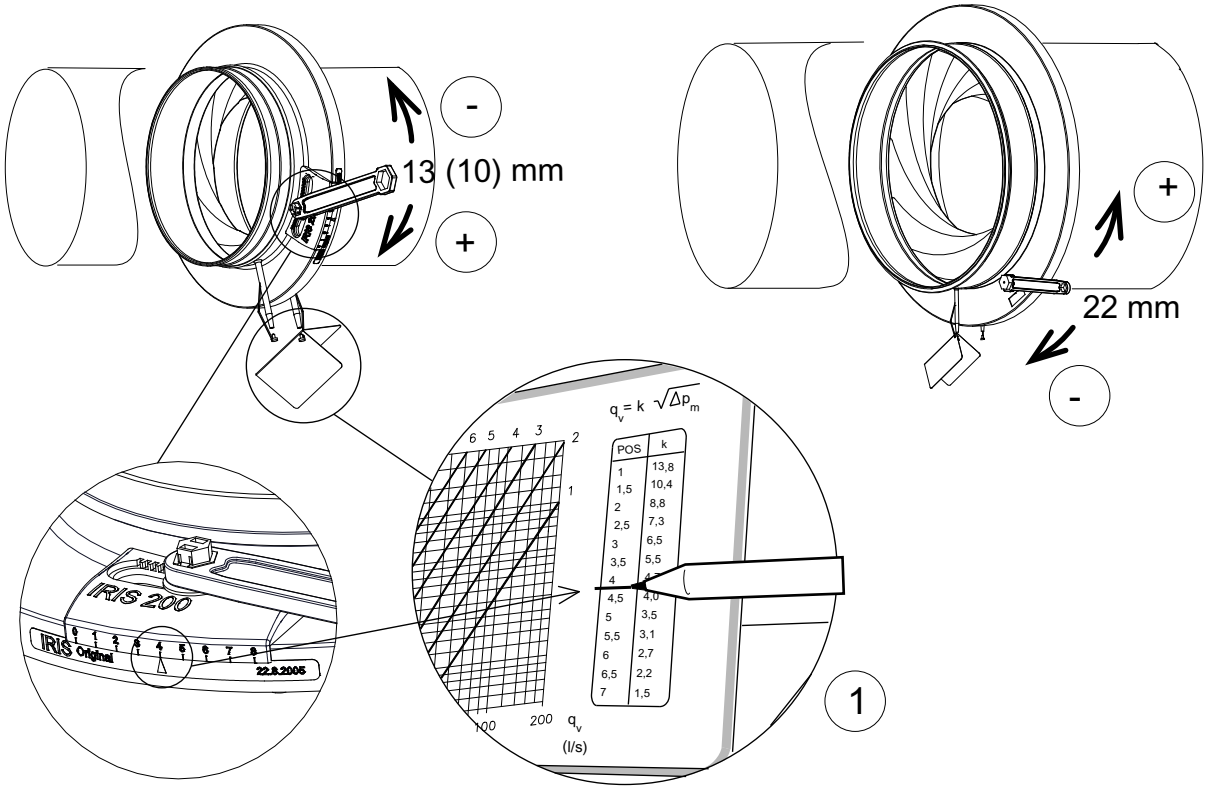
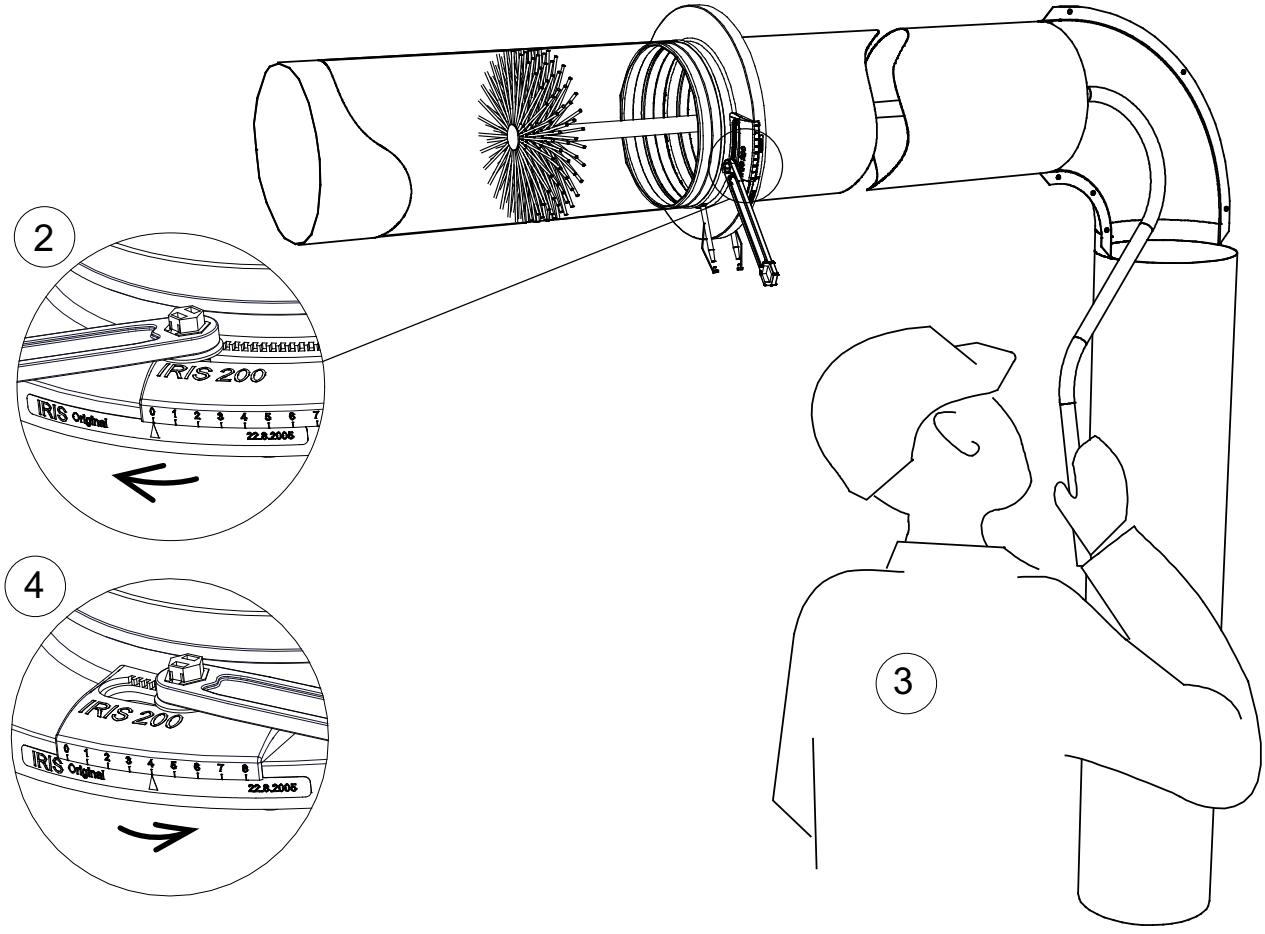

Δpm (Pa)
IRIS 800
8 7 6 5 4 3 2
1
k=73,7
k=122
k=170
k=217
k=267
k=344
k=402
k=489
500 300 200 100 50 40 30 20 10
500 1000 2000 5000 10000
qv (l/s)



IRIS 80





IRIS 100..315

IRIS 400...800