

General information - 2 mm range
Pressure surge technical data

Product	Pressure test - 1 bar	Pressure test - 3 bar
Pipes	Ø 80 up to Ø 630 1,0 mm L = 2000 m	Ø 100 up to Ø 630 2,0 mm L = 2000 mm
Segments	Ø 80 up to Ø 630 1,0 mm 5° to 45°	Ø 100 up to Ø 630 2,0 mm 5° to 45°
Bends	Ø 80 up to Ø 300 1,0 mm 30° to 90°	Ø 100 up to Ø 300 2,0 mm 30° to 90°
Segment bends	Ø 315 up to Ø 630 1,5 mm 30° to 90° Ø 710 1,5 mm 30° to 90°	Ø 315 up to Ø 630 2,0 mm 30° to 90° Ø 710 3,0 mm 30° to 90°
Trousers	Ø 80 up to Ø 500 1,0 mm 60° and 90° Ø 550 up to Ø 630 1,5 mm 60° and 90°	Ø 100 up to Ø 500 2,0 mm 60° and 90° Ø 550 up to Ø 630 3,0 mm 60° and 90°
Conical trousers	Ø 80 up to Ø 500 1,0 mm 60° and 90° Ø 550 up to Ø 630 1,5 mm 60° and 90°	Ø 100 up to Ø 500 2,0 mm 60° and 90° Ø 550 up to Ø 630 3,0 mm 60° and 90°
Branches	Ø 80 up to Ø 500 1,0 mm 30° and 45° Ø 550 up to Ø 630 1,5 mm 30° and 45°	Ø 100 up to Ø 500 2,0 mm 30° and 45° Ø 550 up to Ø 630 3,0 mm 30° and 45°
Conical branches	Ø 80 up to Ø 500 1,0 mm 30° and 45° Ø 550 up to Ø 630 1,5 mm 30° and 45° Ø 710/550/400 1,5 mm 30°	Ø 100 up to Ø 500 2,0 mm 30° and 45° Ø 550 up to Ø 630 3,0 mm 30° and 45° Ø 710/550/400 3,0 mm 30°
T branches	Ø 80 up to Ø 500 1,0 mm Ø 550 up to Ø 630 1,5 mm	Ø 100 up to Ø 500 2,0 mm Ø 550 up to Ø 630 3,0 mm
Transition pieces	Ø 100 up to Ø 630 1,5 mm straight model at an angle (45° and 60°)	Ø 100 up to Ø 630 2,0 mm straight model at an angle (45° and 60°)
Transition pieces with reinforced flange	8 mm wall thickness	8 mm wall thickness
Throttle valves	Ø 80 up to Ø 630 1,5 mm	Ø 100 up to Ø 630 2,0 mm
Throttle valves with seal	Ø 100 up to Ø 630 1,5 mm	Ø 100 up to Ø 630 2,0 mm
Tapers	Ø 100 up to Ø 630	Ø 100 up to Ø 630 2,0 mm
Rings	Ø 80 up to Ø 300	Ø 100 up to Ø 300
With flanges (loose execution)	Ø 315 up to Ø 710 8 mm wall thickness	Ø 315 up to Ø 710 8 mm wall thickness

Equivalent resistance of bends and branches in meters of straight pipes (average)

Duct size	90° bend R=D	90° bend R=2D	30° branch	45° branch
80	1.5	0.9	0.5	0.9
100	2.1	1.3	0.8	1.3
120	2.7	1.7	1.1	1.7
140	3.1	2.0	1.3	2.0
150	3.4	2.2	1.4	2.2
160	3.7	2.4	1.6	2.4
175	4.1	2.7	1.8	2.7
200	4.3	3.1	2.0	3.1
224	4.7	3.5	2.3	3.5
250	6.1	4.0	2.6	4.0
280	6.9	4.5	2.9	4.5
300	7.6	5.0	3.2	5.0
315	7.8	5.4	3.4	5.4
350	9.1	6.0	3.8	6.0
400	11.0	7.0	4.5	7.0
450	12.5	8.1	5.2	8.1
500	14.4	9.2	5.9	9.2
550	15.8	10.0	6.4	10.0
560	16.0	10.2	6.5	10.2
600	17.1	11.0	6.9	11.1
630	17.9	11.6	7.2	11.7

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