

Thermal flexible ducted pipe - double-walled armoured aluminium phonic

- cod. 11152080 - cod. 11152102 - cod. 11152127
- cod. 11152140 - cod. 11152152 - cod. 11152160
- cod. PWC400016 - cod. 11152180 - cod. 11152204
- cod. 11152254 - cod. 11152305 - cod. 11152356
- cod. 11152457



TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Length:	10 m
Recommended minimum bending radius:	1D
Operating pressure:	max 5000 Pa
Operating temperature:	from -30°C to +140° C
Air speed:	max 30 m/sec
Insulation material:	glass fibre thickness 25 mm density 16 kg/m ³
Colour:	grey aluminium
Fire reaction class (in accordance with NF p92-507:2004)	M1
Compliant with UNI EN 13180:2004	yes

CHARACTERISTICS OF THE MATERIAL:

The material is fire-retardant.

It does not emit toxic fumes in the event of fire and does not disperse fibres or dust that could be harmful or cause allergies.

It is extremely light, flexible and can be compressed to up to 10% of its length, which considerably reduces storage volumes and transport costs.

Each piece is individually packaged.

STRUCTURE

The internal duct is made of rolled aluminium.

The insulation fibre mat is in fibreglass with thk. 25 mm and density 16 kg/m²

The outer “vapour-barrier” cladding is made from reinforced rolled aluminium.

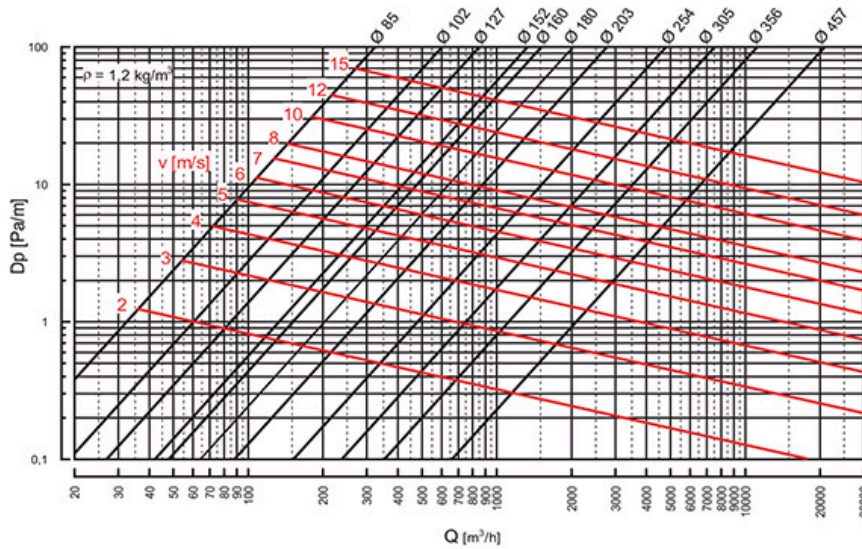
APPLICATIONS

- Air conditioning
- Thermal-ventilation

DIMENSIONS

CODE	INTERNAL Ø [mm]	LENGTH [m]
11152080	85	10
11152102	102	10
11152127	127	10
11152140	140	10
11152152	152	10
11152160	160	10
PWC400016	165	10
11152180	180	10
11152204	203	10
11152254	254	10
11152305	305	10
11152356	356	10
11152457	457	10

DISTRIBUTED LOAD LOSSES FOR FULLY EXTENDED FLEXIBLE THERMAL- PHONIC DUCTING



ACOUSTIC ATTENUATION FOR DUCTED FLEXIBLE HOSE, PHONIC HOSE IN DOUBLE-WALLED ALUMINIUM

Ø [mm]	L [m]	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
100	1	11	15	21	25	34	29	31	22
125	1	9	13	21	24	26		31	21
160	1	5	8	12	29	28	27	31	18
200	1	2	6	13	23	22	27	23	17
250	1	4	10	17	19		21	14	
315	1	3	16	18	17	19	16	10	8
406	1	2	9	17	15	20	10	5	3
100	2	13	17	22	25	43	48	31	22
125	2	13		21	26	34	37	32	24
160	2	14	15	17	27	35	44	36	26
200	2	8	11	21	26	39	29	34	20
250	2	3	7	17	24	27		23	19
315	2	5	13	21	20	22	24	16	11
406	2	7	14	16		22	16	8	6
100	3	16	17	28	39	43	48	32	22
125	3	14	18	27	38	41	44	33	25
160	3	17		25	37	39	37		27
200	3	22	21	23	35	38	36	39	28
250	3	5	10	20	30	32	28	32	24
315	3	9	18	21	25	30	28	23	16
406	3	8	18	17	18	22	20	13	8

ITEMS

CODE	DESCRIPTION
11152080	REINFORCED TWIN-WALL ACOUSTIC THERMALLY INSULATED ALUMINIUM FLEXIBLE DUCT Ø 82
11152102	REINFORCED TWIN-WALL ACOUSTIC THERMALLY INSULATED ALUMINIUM FLEXIBLE DUCT Ø 102
11152127	REINFORCED TWIN-WALL ACOUSTIC THERMALLY INSULATED ALUMINIUM FLEXIBLE DUCT Ø 127
11152140	REINFORCED TWIN-WALL ACOUSTIC THERMALLY INSULATED ALUMINIUM FLEXIBLE DUCT Ø 140
11152152	REINFORCED TWIN-WALL ACOUSTIC THERMALLY INSULATED ALUMINIUM FLEXIBLE DUCT Ø 152
11152160	REINFORCED TWIN-WALL ACOUSTIC THERMALLY INSULATED ALUMINIUM FLEXIBLE DUCT Ø 160
PWC400016	THERMAL-FLEXIBLE THERMAL-PHONIC ALUMINIUM DOUBLE-PARALLELED CHANNEL PIPE Ø165 mm L.10 m
11152180	REINFORCED TWIN-WALL ACOUSTIC THERMALLY INSULATED ALUMINIUM FLEXIBLE DUCT Ø 180
11152204	REINFORCED TWIN-WALL ACOUSTIC THERMALLY INSULATED ALUMINIUM FLEXIBLE DUCT Ø 203
11152254	REINFORCED TWIN-WALL ACOUSTIC THERMALLY INSULATED ALUMINIUM FLEXIBLE DUCT Ø 254
11152305	REINFORCED TWIN-WALL ACOUSTIC THERMALLY INSULATED ALUMINIUM FLEXIBLE DUCT Ø 305
11152356	REINFORCED TWIN-WALL ACOUSTIC THERMALLY INSULATED ALUMINIUM FLEXIBLE DUCT Ø 356
11152457	REINFORCED TWIN-WALL ACOUSTIC THERMALLY INSULATED ALUMINIUM FLEXIBLE DUCT Ø 457

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