

# DATASHEET

rev. 05 - 27/11/2023

## Thermal flexible ducted pipe - double-walled armoured aluminium phonic

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



### TECHNICAL SPECIFICATIONS:

- Operating temperature -30°C to +140°C
- Length 10 m
- Recommended minimum bending radius: 1D
- Insulation material: glass fibre thickness 25 mm density 16 kg/m<sup>3</sup>
- NF P92-507:2004 M1
- Conforms to EN 13180
- Aluminium in grey colour
- Operating pressure max 5000 Pa
- Air speed: max 30 m/sec.
- Fire resistance: class 1 according to Ministerial Decree 26/06/1984

### CHARACTERISTICS OF THE MATERIAL:

- Flame retardant
- The insulation does not emit toxic fumes in the event of fire
- The insulation does not disperse fibres or dust that may be harmful or cause allergies
- Extremely light and flexible
- Compressible up to 10% of its length (reducing storage volumes and transport costs) with individual packaging per section

### STRUCTURE

- Internal duct in rolled aluminium
- Insulation fibre mat in fiberglass th. 25 mm and density 16 kg/m<sup>2</sup>
- Outer cladding "vapor-barrier" made from reinforced rolled aluminium

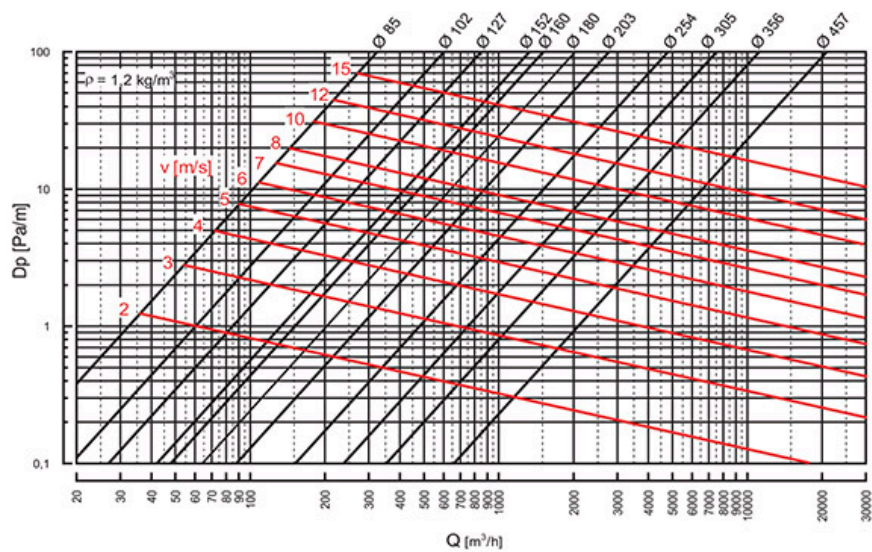
### APPLICATIONS

- Air conditioning
- Thermal-ventilation

## DIMENSIONS

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

## DISTRIBUTED LOAD LOSSES FOR FULLY EXTENDED FLEXIBLE THERMAL- PHONIC DUCTING



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

1m	[Hz]					
Ø	125	250	500	1000	2000	4000
100	15	21	25	34	29	31
125	13	21	24	26	26	31
160	8	12	29	28	27	31
200	6	13	23	22	27	23
250	10	17	19	19	21	14
315	16	18	17	19	16	10
406	9	17	15	20	10	5

2m	[Hz]					
Ø	125	250	500	1000	2000	4000
100	17	22	25	43	48	31
125	13	21	26	34	37	32
160	15	17	27	35	44	36
200	11	21	26	39	29	34
250	7	17	24	27	27	23
315	13	21	20	22	24	16
406	14	16	16	22	16	8

3m	[Hz]					
Ø	125	250	500	1000	2000	4000
100	17	28	39	43	48	32
125	18	27	38	41	44	33
160	17	25	37	39	37	37
200	21	23	35	38	36	39
250	10	20	30	32	28	32
315	18	21	25	30	28	23
406	18	17	18	22	20	13

### 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	
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