

DATASHEET

rev. 02 - 27/11/2023

Ultra flexible polyethylene ducted pipe double wall thermal - phonic

11154080 - 11154102 - 11154127
11154140 - 11154152 - 11154160
PWC400020 - 11154180 - 11154204
11154254 - 11154305 - 11154356
11154457



DESCRIPTION

Duct consisting of an inner polyethylene tubing reinforced with spiral-wound steel wire. The thermal insulation is made of glass wool coated with a polyethylene sheet. Thanks to its exceptional flexibility, it is easy to install on circular and oval connectors.

TECHNICAL SPECIFICATIONS:

- Operating temperature: -20°C to +70°C
- Bending radius 1 times the diameter
- Internal/external air duct: black polyethylene
- Insulation material: glass fibre thickness 25 mm density 16 kg/m³
- Conforms to EN 13180

STRUCTURE

- 1 polyethylene layer thickness 100 m
- Spiral made of spring steel wire incorporated between the layers

Thanks to its exceptional flexibility, it is easy to install on circular and oval connectors.

Central duct:

- 1 polyethylene layer thickness 100 m
- Spiral made of spring steel wire

Insulation: glass wool thickness 25 mm and density 16 kg/m³

Duct exterior:

- 1 polyethylene layer thickness 100 m

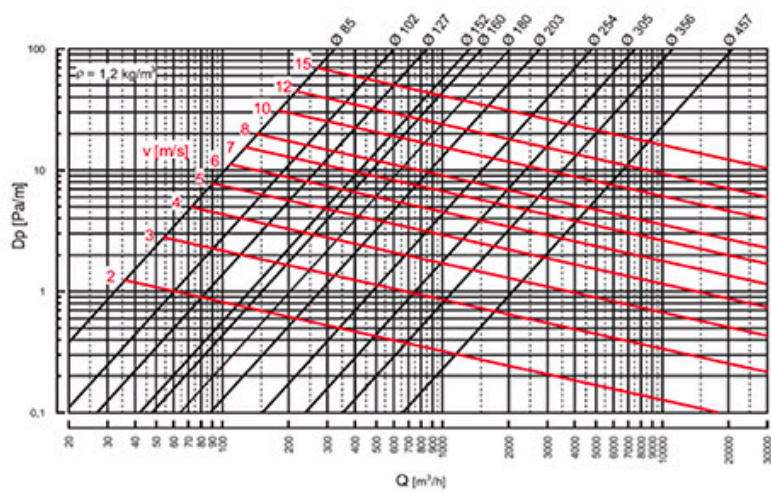
APPLICATIONS

- Air conditioning
- Ventilation for kitchens and bathrooms

DIMENSIONS

CODE	INTERNAL Ø [mm]
11154080	82
11154102	102
11154127	127
11154140	140
11154152	152
11154160	160
PWC400020	165
11154180	180
11154204	203
11154254	254
11154305	305
11154356	356
11154457	457

DISTRIBUTED LOAD LOSSES FOR FULLY EXTENDED FLEXIBLE DUCTING



ACOUSTIC ATTENUATION FOR DUCTED FLEXIBLE THERMAL 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
11154080	TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 82
11154102	TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø102
11154127	TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 127
11154140	TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 140
11154152	TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 152
11154160	TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 160
PWC400020	
11154180	TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 185
11154204	TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 203
11154254	TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 254
11154305	TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 305
11154356	TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 356
11154457	TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 457