

# Thermal flexible ducted flexible hose - double-walled aluminium phonic with internal antibacterial treatment

- cod. 11157085 - cod. 11157102 - cod. 11157127  
- cod. 11157152 - cod. PWC400018 - cod. 11157180  
- cod. 11157203 - cod. 11157254 - cod. 11157305  
- cod. 11157356 - cod. 11157457



## DESCRIPTION

Duct consisting of a perforated internal pipe made of laminated aluminium with a polyester sheet, all reinforced with spirally wound steel wire.

The thermal insulation is made of glass wool coated with an aluminium foil laminated with a polyester sheet.

The ducted pipe designed for installation in ventilation and air conditioning systems.

Tested in accordance with ISO 22196:2007 for bacteria: Escherichia coli, MRSA, Salmonella, Listeria, Legionella, Pseudomonas.

## STRUCTURE

- Internal duct in rolled aluminium
- Insulating fibre mat in fibreglass thk. 25 mm and density 16 kg/m<sup>3</sup>
- Outer cladding "vapor-barrier" made from reinforced rolled aluminium
- Antimicrobial treatment using silver ions (AGT)

## APPLICATIONS

- Air conditioning

- Thermal-ventilation

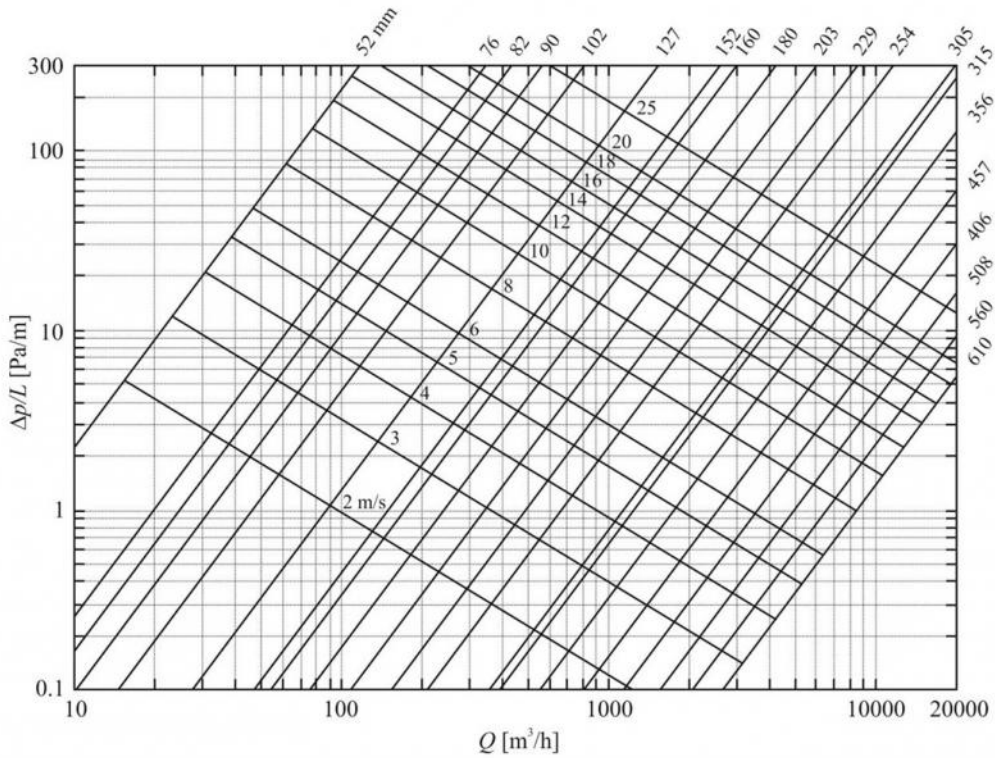
## TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Length:	10 m
Recommended minimum bending radius:	1D
Operating pressure:	max 3000 Pa
Operating temperature:	from -30°C to +140° C
Air speed:	max 30 m/sec
Hygroscopicity classification:	≤0.25%
Nominal thickness:	21 micron
Insulation material:	glass fibre thickness 25 mm density 16 kg/m <sup>3</sup>
Colour:	grey aluminium
Fire reaction class (in accordance with NF p92-507:2004)	M1
Compliant with UNI EN 13180:2004	yes

## DIMENSIONS

CODE	INTERNAL Ø [mm]
11157085	85
11157102	102
11157127	127
11157152	152
PWC400018	165
11157180	180
11157203	203
11157254	254
11157305	305
11157356	356
11157457	457

## DISTRIBUTED LOAD LOSSES FOR FULLY EXTENDED FLEXIBLE THERMAL- PHONIC 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
11157085	INSULATED FLEXIBLE PIPE IN ALUMINIUM WITH INTERNAL ANTIBACTERIAL TREATMENT Ø 85
11157102	INSULATED FLEXIBLE PIPE IN ALUMINIUM WITH INTERNAL ANTIBACTERIAL TREATMENT Ø 102
11157127	INSULATED FLEXIBLE PIPE IN ALUMINIUM WITH INTERNAL ANTIBACTERIAL TREATMENT Ø 127
11157152	INSULATED FLEXIBLE PIPE IN ALUMINIUM WITH INTERNAL ANTIBACTERIAL TREATMENT Ø 152
PWC400018	THERMAL-FLEXIBLE THERMAL-PHONIC ALUMINIUM DOUBLE-PARTIC FLEXIBLE HOSE WITH INTERNAL ANTIBACTERIAL TREATMENT Ø165 mm L.10 m
11157180	INSULATED FLEXIBLE PIPE IN ALUMINIUM WITH INTERNAL ANTIBACTERIAL TREATMENT Ø 180
11157203	INSULATED FLEXIBLE PIPE IN ALUMINIUM WITH INTERNAL ANTIBACTERIAL TREATMENT Ø 203
11157254	INSULATED FLEXIBLE PIPE IN ALUMINIUM WITH INTERNAL ANTIBACTERIAL TREATMENT Ø 254
11157305	INSULATED FLEXIBLE PIPE IN ALUMINIUM WITH INTERNAL ANTIBACTERIAL TREATMENT Ø 305
11157356	INSULATED FLEXIBLE PIPE IN ALUMINIUM WITH INTERNAL ANTIBACTERIAL TREATMENT Ø 356
11157457	INSULATED FLEXIBLE PIPE IN ALUMINIUM WITH INTERNAL ANTIBACTERIAL TREATMENT Ø 457

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