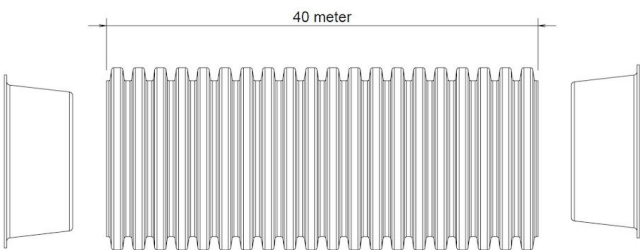
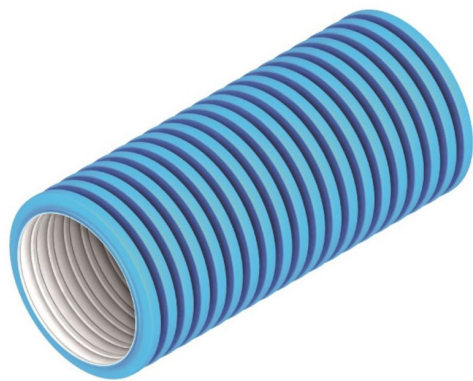


General information

Hybalans+ Ducting flex 75 L=40M Blue



Specifications

Article number	400470350
Product category	Flexible ducting
Material	HDPE/LDPE
Colour	RAL-5015
Weight (kg)	0,36

Dimensions

Diameter inside (mm)	63
Diameter outside (mm)	75
Dimensions (l x w x h mm)	40000 x 75 x 75

Application Insights

Intended use	Air
Supply / Extract	Supply/Extract
Bend Radius (mm)	150
Ring stiffness (kPa)	7,8
Temperature range (°C)	-25 / +80

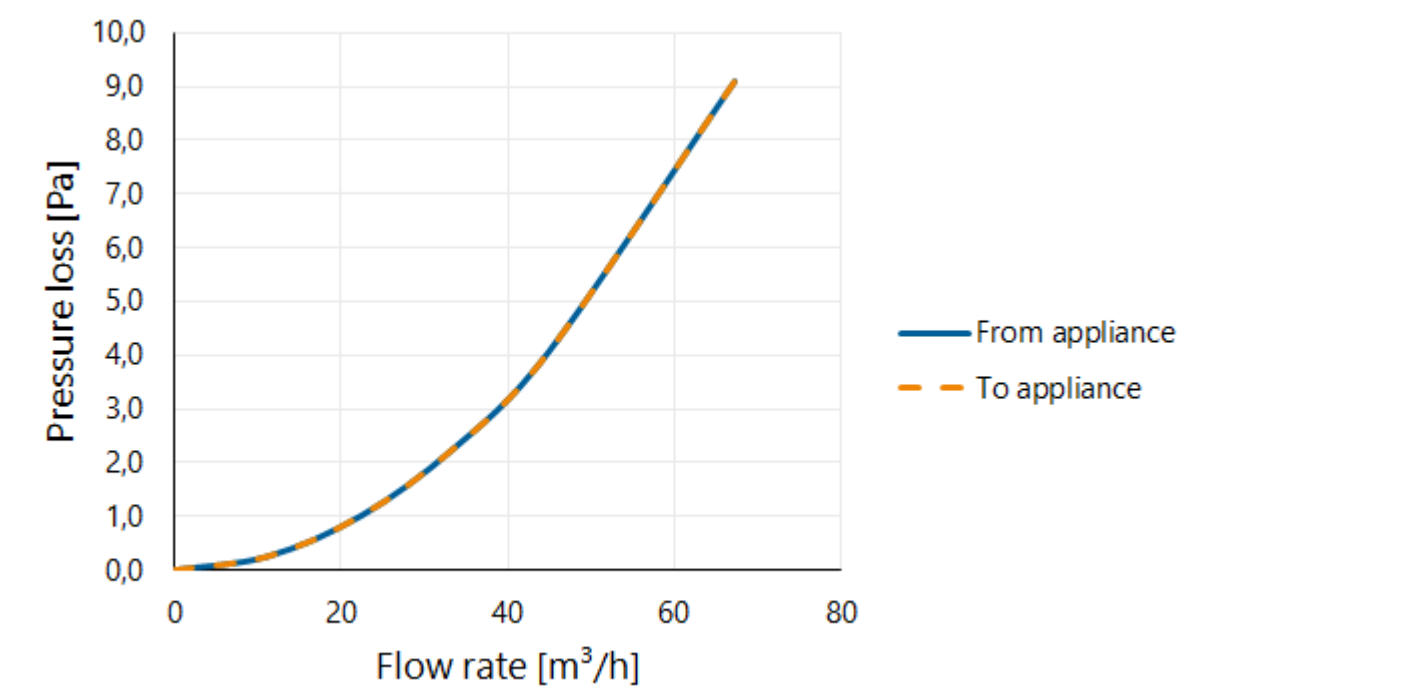
Version MG-DS-400470350-2022.06 • Specifications are subject to change without notice.

Technical Specifications

Maximum air flow (m³/h)	40
ζ extract	0,42
ζ supply	0,42
Air Tightness Class	2
R-value (m²K/W)	0
Fire rating	E
Other specifications	Antistatic/Antibacterial

Graph

Pressure loss



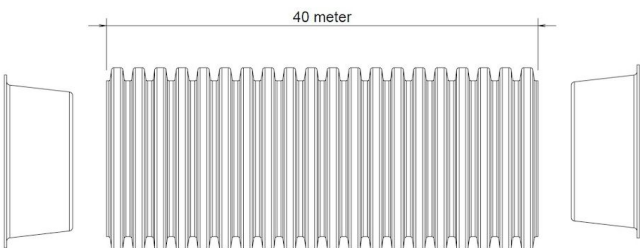
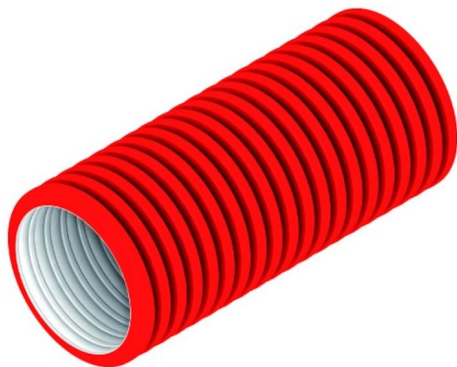
Table

Flow velocity pressure table

Flow rate			Static pressure loss	
			From appliance	To appliance
[m/s]	[m³/h]	[l/s]	[Pa]	[Pa]
0	0	0	0,0	0,0
1	11	3	0,3	0,3
2	22	6	1,0	1,0
3	34	9	2,3	2,3
4	45	12	4,0	4,0
6	67	19	9,1	9,1

General information

Hybalans+ Ducting flex 75 L=40M Red



Specifications

Article number	400470349
Product category	Flexible ducting
Material	HDPE/LDPE
Colour	RAL-3020
Weight (kg)	0,36

Dimensions

Diameter inside (mm)	63
Diameter outside (mm)	75
Dimensions (l x w x h mm)	40000 x 75 x 75

Application Insights

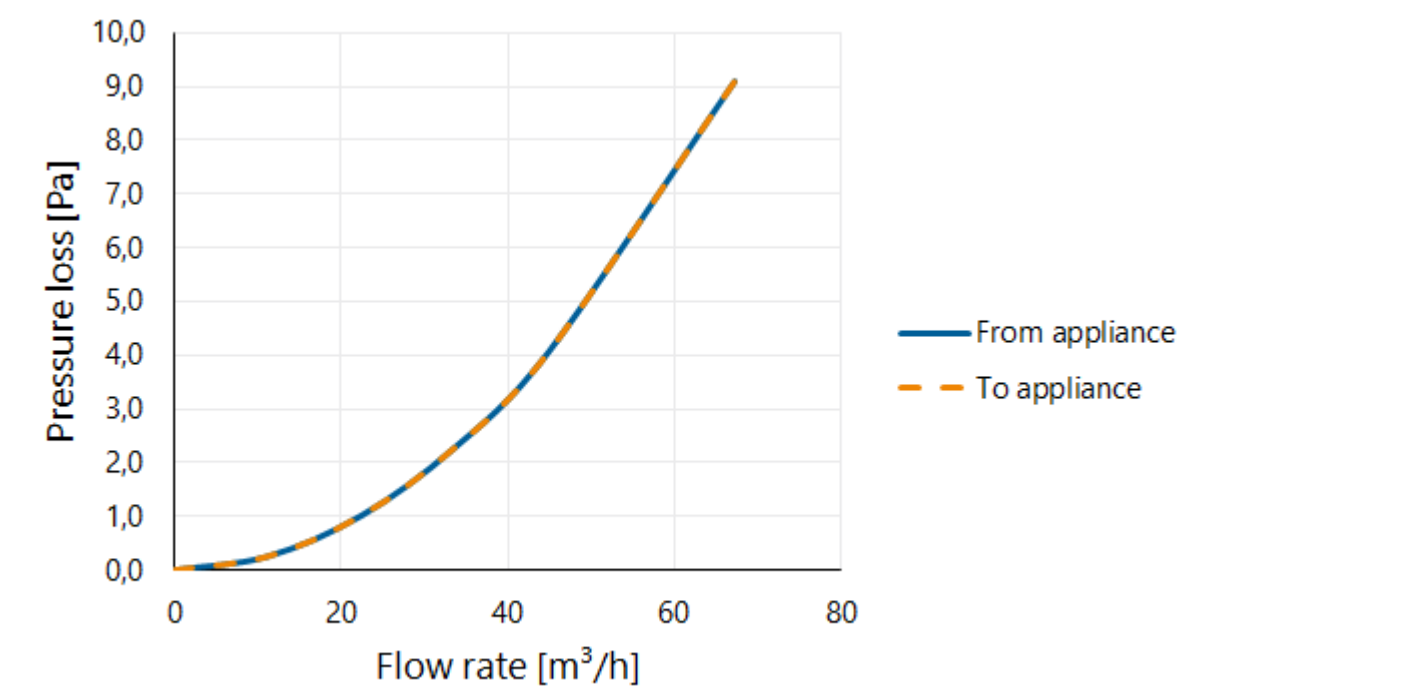
Intended use	Air
Supply / Extract	Supply/Extract
Bend Radius (mm)	150
Ring stiffness (kPa)	7,8
Temperature range (°C)	-25 / +80

Technical Specifications

Maximum air flow (m³/h)	40
ζ extract	0,42
ζ supply	0,42
Air Tightness Class	2
R-value (m²K/W)	0
Fire rating	E
Other specifications	-

Graph

Pressure loss



Table

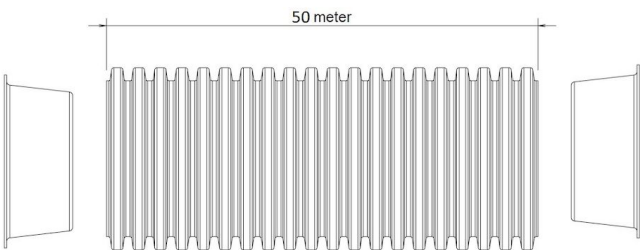
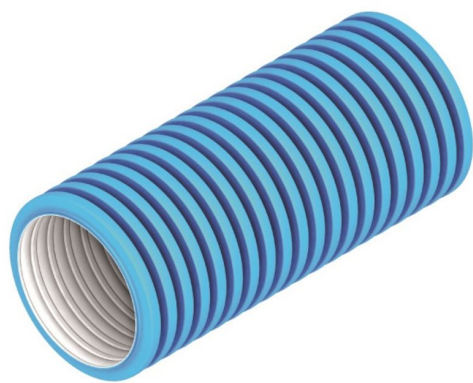
Flow velocity pressure table

Flow rate			Static pressure loss	
			From appliance	To appliance
[m/s]	[m³/h]	[l/s]	[Pa]	[Pa]
0	0	0	0,0	0,0
1	11	3	0,3	0,3
2	22	6	1,0	1,0
3	34	9	2,3	2,3
4	45	12	4,0	4,0
6	67	19	9,1	9,1

Version MG-DS-400470349-2021.10 • Specifications are subject to change without notice.

General information

Hybalans+ Ducting flex 92 L=50M Blue



Specifications

Article number	400470400
Product category	Flexible ducting
Material	HDPE/LDPE
Colour	RAL-5015
Weight (kg)	0,48

Dimensions

Diameter inside (mm)	77,5
Diameter outside (mm)	92
Dimensions (l x w x h mm)	50000 x 92 x 92

Application Insights

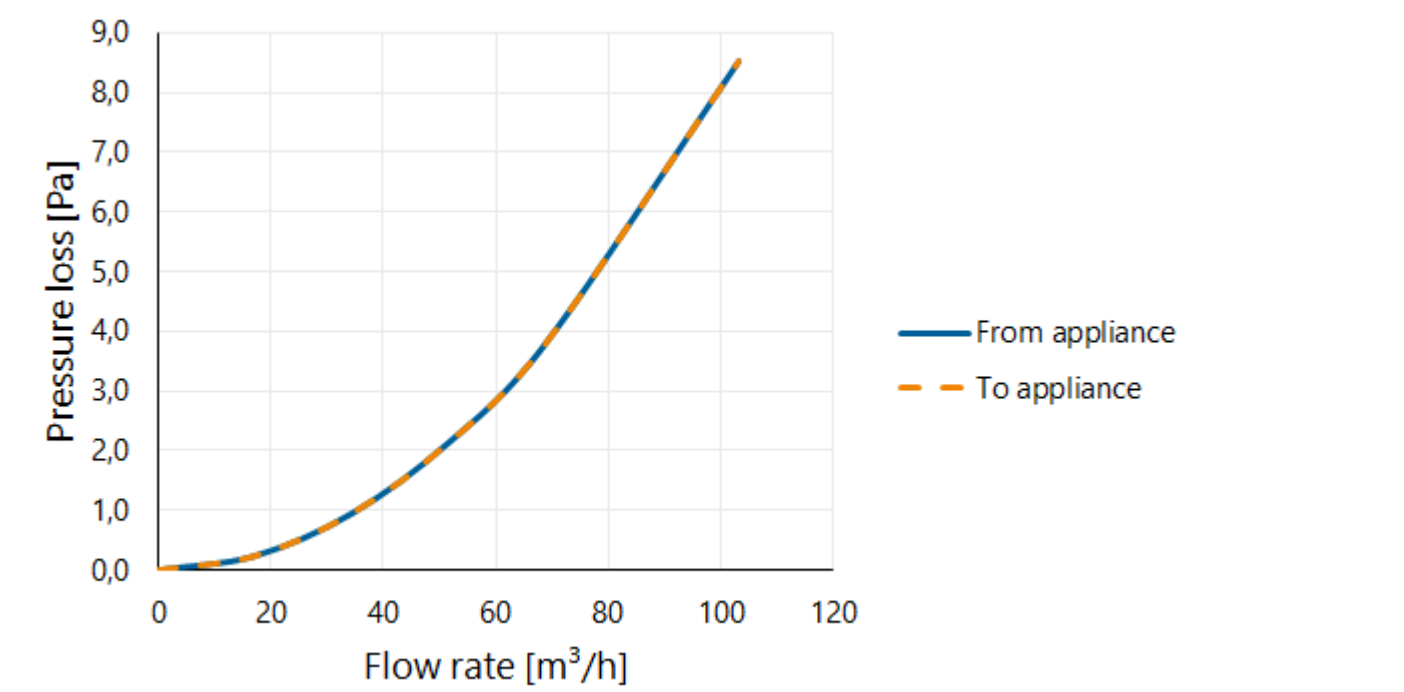
Intended use	Air
Supply / Extract	Supply/Extract
Bend Radius (mm)	180
Ring stiffness (kPa)	7,3
Temperature range (°C)	-25 / +80

Technical Specifications

Maximum air flow (m³/h)	65
ζ extract	0,40
ζ supply	0,40
Air Tightness Class	2
R-value (m²K/W)	0
Fire rating	E
Other specifications	Antistatic/Antibacterial

Graph

Pressure loss



Table

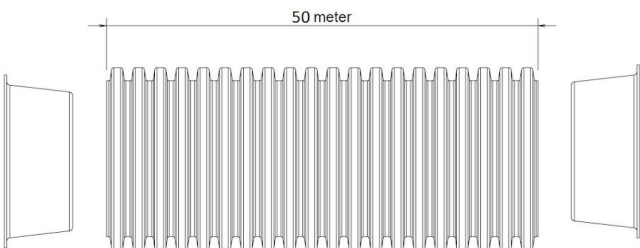
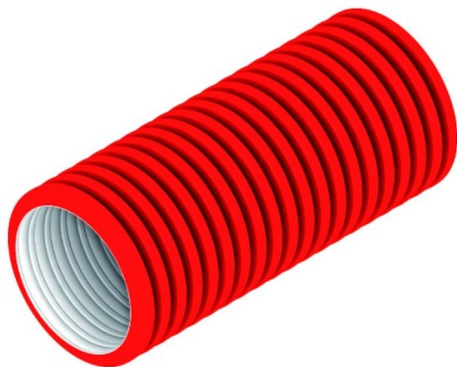
Flow velocity pressure table

Flow rate			Static pressure loss	
			From appliance	To appliance
[m/s]	[m³/h]	[l/s]	[Pa]	[Pa]
0	0	0	0,0	0,0
1	17	5	0,2	0,2
2	34	10	0,9	0,9
3	52	14	2,1	2,1
4	69	19	3,8	3,8
6	103	29	8,5	8,5

Version MG-DS-400470400-2022.06 • Specifications are subject to change without notice.

General information

Hybalans+ Ducting flex 92 L=50M Red



Specifications

Article number	400470401
Product category	Flexible ducting
Material	HDPE/LDPE
Colour	RAL-3020
Weight (kg)	0,48

Dimensions

Diameter inside (mm)	77,5
Diameter outside (mm)	92
Dimensions (l x w x h mm)	50000 x 92 x 92

Application Insights

Intended use	Air
Supply / Extract	Supply/Extract
Bend Radius (mm)	180
Ring stiffness (kPa)	7,3
Temperature range (°C)	-25 / +80

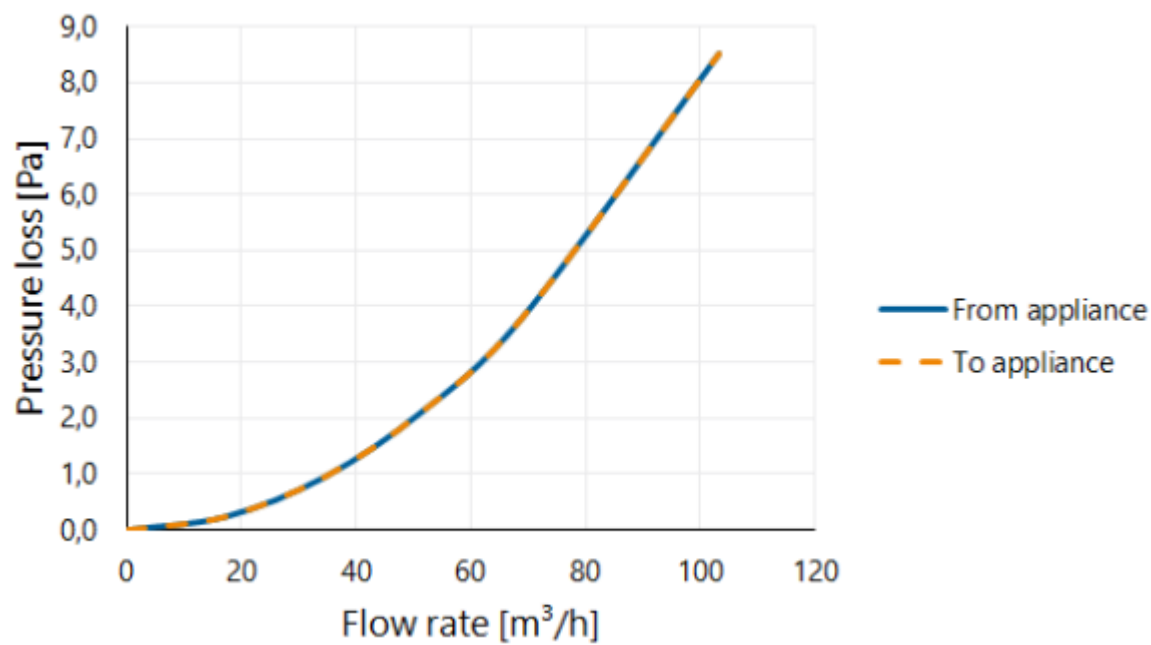
Version MG-DS-400470401-2021.10 • Specifications are subject to change without notice.

Technical Specifications

Maximum air flow (m³/h)	65
ζ extract	0,40
ζ supply	0,40
Air Tightness Class	2
R-value (m²K/W)	0
Fire rating	E
Other specifications	-

Graph

Pressure loss



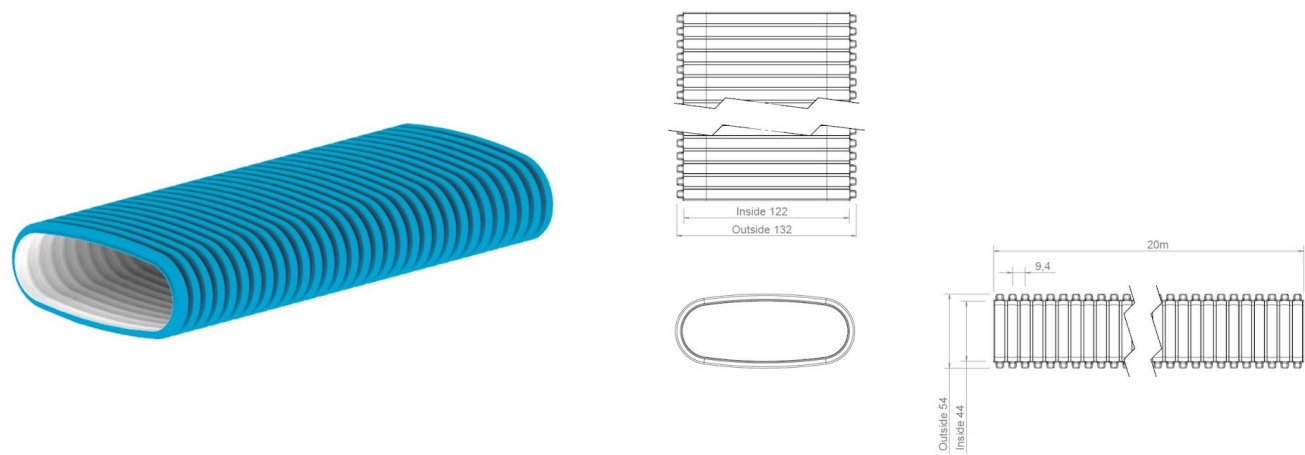
Table

Flow velocity pressure table

Flow rate			Static pressure loss	
			From appliance	To appliance
[m/s]	[m³/h]	[l/s]	[Pa]	[Pa]
0	0	0	0,0	0,0
1	17	5	0,2	0,2
2	34	10	0,9	0,9
3	52	14	2,1	2,1
4	69	19	3,8	3,8
6	103	29	8,5	8,5

General information

Hybalans+ Ducting flex 132x52 L=20M Blue



Specifications

Article number	400480435
Product category	Flexible ducting
Material	HDPE/LDPE
Colour	RAL-5015
Weight (kg)	10,5

Dimensions

Diameter inside (mm)	122x44
Diameter outside (mm)	132x52
Dimensions (l x w x h mm)	20000 x 132 x 52

Application Insights

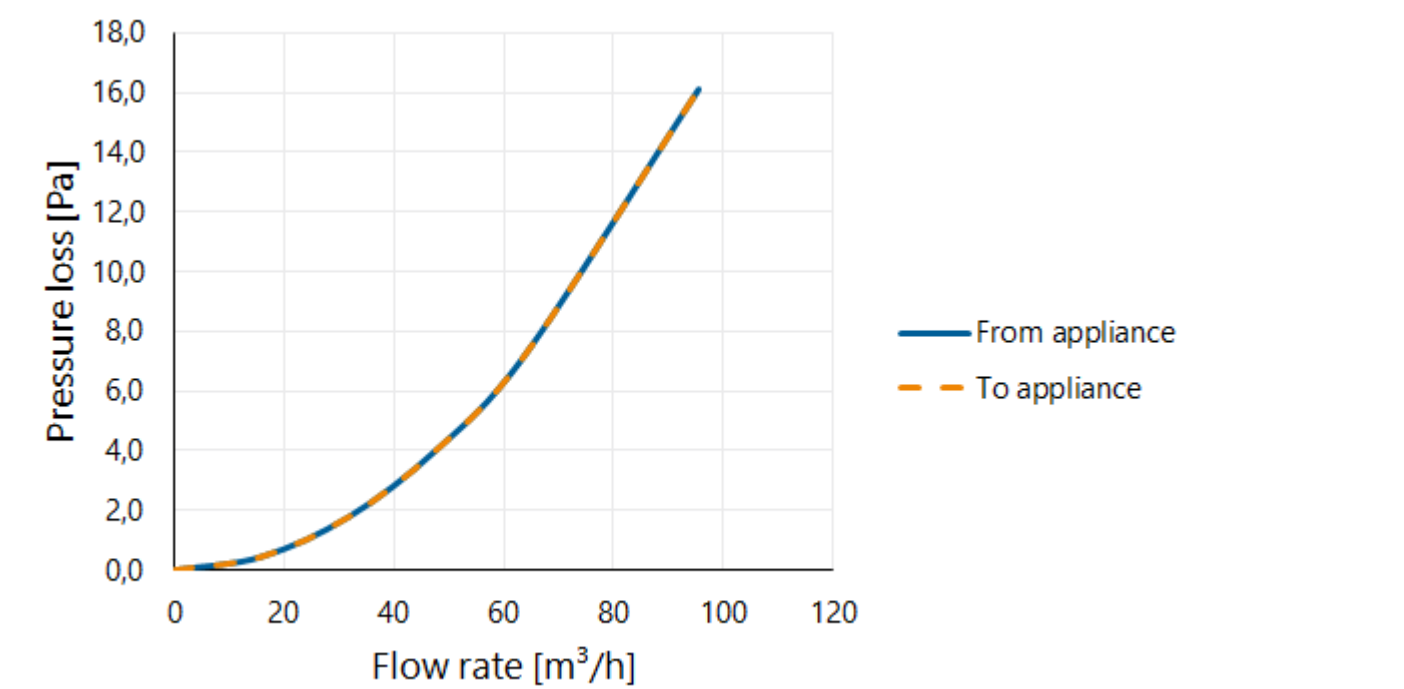
Intended use	Air
Supply / Extract	Supply/Extract
Bend Radius (mm)	265(h)
Ring stiffness (kPa)	-
Temperature range (°C)	-25 / +80

Technical Specifications

Maximum air flow (m³/h)	55
ζ extract	0,74
ζ supply	0,74
Air Tightness Class	2
R-value (m²K/W)	0
Fire rating	E
Other specifications	Antistatic/Antibacterial

Graph

Pressure loss



Table

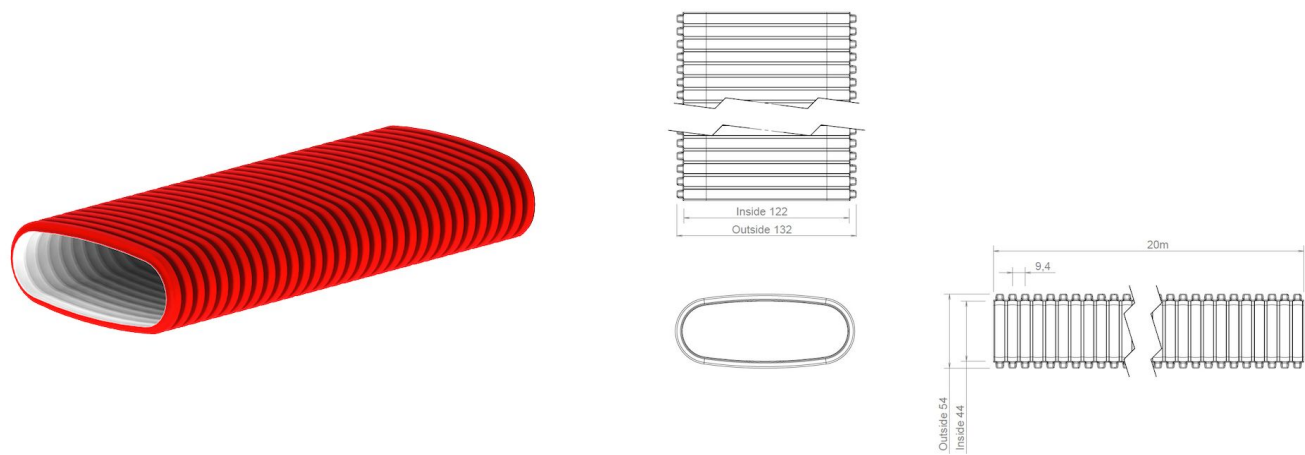
Flow velocity pressure table

Flow rate			Static pressure loss	
			From appliance	To appliance
[m/s]	[m³/h]	[l/s]	[Pa]	[Pa]
0	0	0	0,0	0,0
1	16	4	0,4	0,4
2	32	9	1,8	1,8
3	48	13	4,0	4,0
4	64	18	7,2	7,2
6	95	27	16,1	16,1

Version MG-DS-400480435-2022.06 • Specifications are subject to change without notice.

General information

Hybalans+ Ducting flex 132x52 L=20M Red



Specifications

Article number	400480436
Product category	Flexible ducting
Material	HDPE/LDPE
Colour	RAL-3020
Weight (kg)	10,5

Dimensions

Diameter inside (mm)	122x44
Diameter outside (mm)	132x52
Dimensions (l x w x h mm)	20000 x 132 x 52

Application Insights

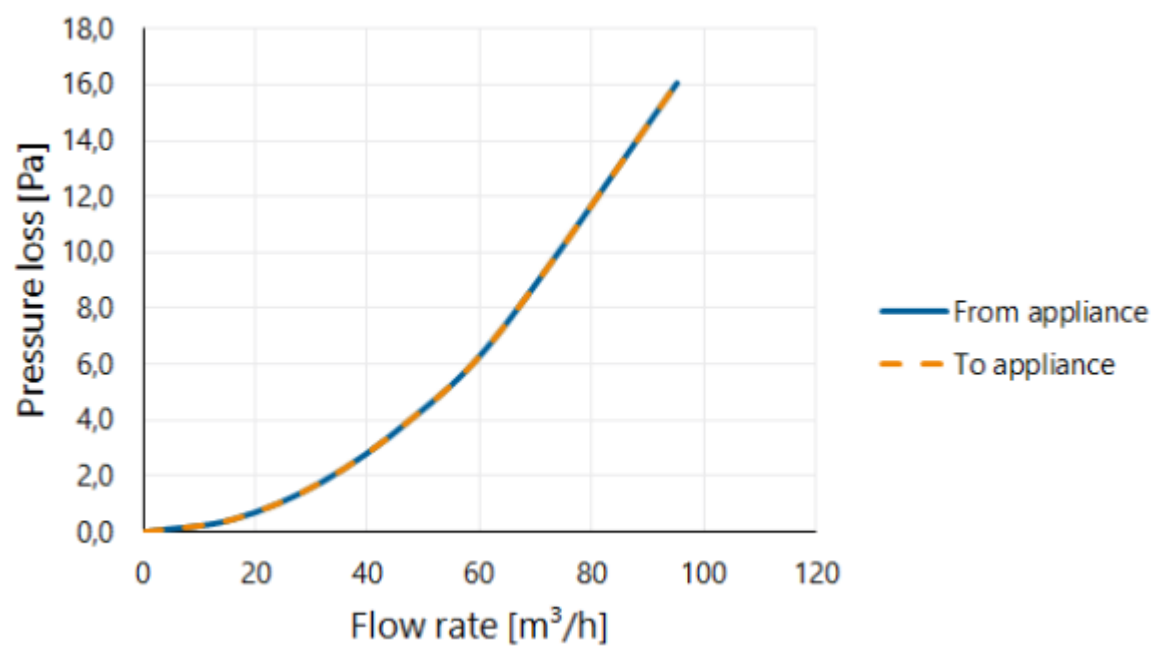
Intended use	Air
Supply / Extract	Supply/Extract
Bend Radius (mm)	265(h)
Ring stiffness (kPa)	-
Temperature range (°C)	-25 / +80

Technical Specifications

Maximum air flow (m³/h)	55
ζ extract	0,74
ζ supply	0,74
Air Tightness Class	2
R-value (m²K/W)	0
Fire rating	E
Other specifications	-

Graph

Pressure loss



Table

Flow velocity pressure table

Flow rate			Static pressure loss	
			From appliance	To appliance
[m/s]	[m³/h]	[l/s]	[Pa]	[Pa]
0	0	0	0,0	0,0
1	16	4	0,4	0,4
2	32	9	1,8	1,8
3	48	13	4,0	4,0
4	64	18	7,2	7,2
6	95	27	16,1	16,1

Version MG-DS-400480436-2021.10 • Specifications are subject to change without notice.

IMAGE



DESCRIPTION

Flex hose, made from 100% Virgin polyethylene, with smooth inner skin and corrugated outer skin, suitable for air ducts for ventilation and air-conditioning systems for domestic and commercial applications.

The polyethylene used for the inner skin has an additive with antistatic and antibacterial agents, which prevent from any dust deposit and any bacterial and fungal proliferation, whereas the outer skin has an additive with anti-UV agents to ensure a high resistance to solar radiation.

The hose is supplied in 50m coils.

The structure of the corrugated outer skin allows the connection of hose sections through specific sleeves with snap closure system and elastomeric sealing gaskets.

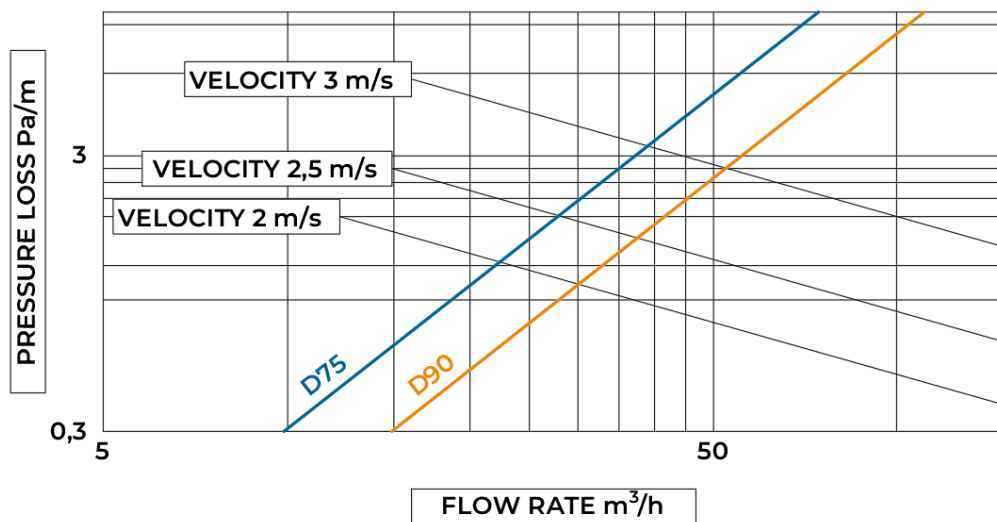
MAIN FEATURES

TYPE	FLEX PIPE	
ITEM CODE	HBFX 01 D75	HBFX 01 D90
COLOUR	WHITE	
OUTER DIAMETER [mm]	75 ± 1,5	90 ± 1,5
INNER DIAMETER [mm]	63 ± 1	76 ± 1
INNER WALL MATERIAL	MDPE	
OUTER WALL MATERIAL	HDPE	
ELECTRICAL FEATURES	ANTISTATIC	
BACTERIOLOGIC FEATURES	ANTIBACTERIAL - ANTIFUNGAL - SANITIZED	
CHEMICAL FEATURES	HALOGEN FREE	
AVERAGE BENDING RADIUS [mm]	270	330
SHOCK TEST - EN 61386-1/-24 [J]	20	
MIN/MAX OPERATIONAL TEMPERATURE [°C]	-20 / +60	
FIRE REACTION CLASS - UNI EN 13501	EUROCLASS E	
INTERNAL CORRUGATION	< 5 %	
RAW MATERIAL RECYCLING	 HDPE	

FLUID DYNAMICS PERFORMANCE

VELOCITY [m/s]	FLOW RATE [m³/h]		DISTRIBUTED PRESSURE LOSS [Pa]	
	D75	D90	D75	D90
1,0	11,3	15,1	0,4	0,3
1,5	17,0	22,6	0,7	0,6
2,0	22,7	30,1	1,2	1,0
2,5	28,3	37,7	1,7	1,4
3,0	34,0	45,2	2,4	2,0
3,5	39,7	52,7	3,2	2,6

DIAGRAM OF PRESSURE LOSS AT 20°C



CERTIFICATIONS

METHODEN:	SUBJECTS:
EN ISO 846 Section A	Determination of mold resistance
ISO 22196	Quantitative analysis for determination of the bacteriostatic activity; film 35x35 mm; inoculum 120 ul
ÖNorm H6021	Safeguarding and cleaning of ventilation systems
VDI 6022 – SWKI VA104-01	Hygiene of ventilation and air conditioning systems.
ÖNorm H6038	Design, installation, operation and maintenance of ventilation systems.

PACKAGING

DIAMETER [mm]	PACKAGING DIMENSION LENGHT X WIDTH X HEIGHT [mm]	WEIGHT [kg]	PALLET DIMENSION LENGHT X WIDTH X HEIGHT [mm]	COILS PER PALLET
75	1170 X 1170 X 360	15	1200 X 1200 X 2550	7
90	1200 X 1200 X 400	21	1200 X 1200 X 2550	6