

General information

Description	Elbow insulated EPS 160 90°
Article number	40.048.05.63
Material	EPS
Material socket	PP
Colour	Grey
Wall Thickness	15 mm
Density	45 g/l

Application insights

Application	Ventilation
Application use	Supply/Extract
Inner Diameter	Ø160mm
Outer Diameter	Ø190mm
Bend radius	90 degrees

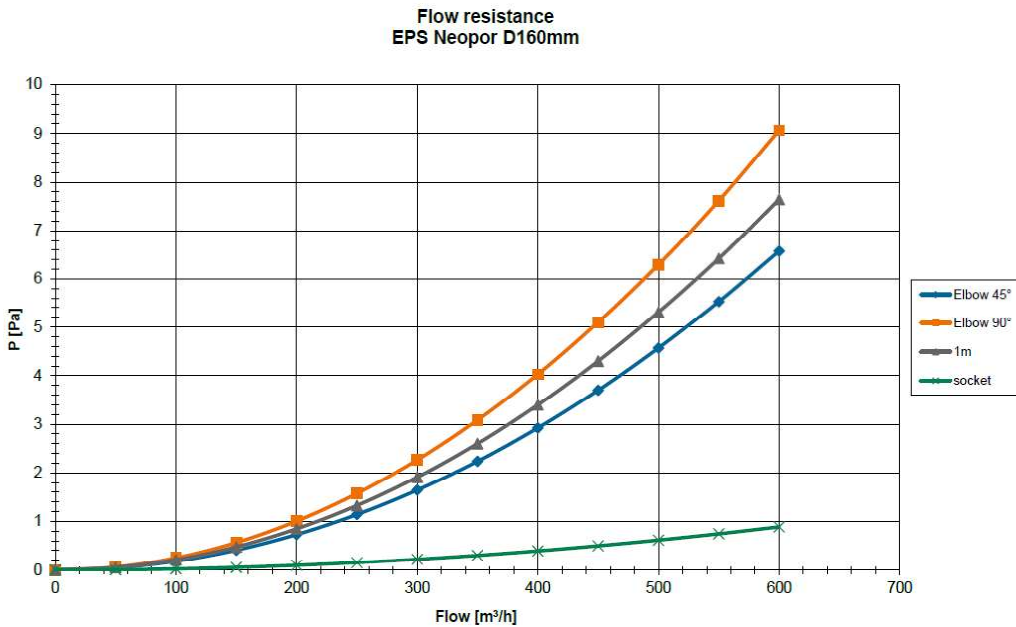
Technical specifications

Air tightness class	D [EN12237]
Temperature range	-25 / +80 °C
Thermal conductivity	$\lambda 0, 032 \text{ W/(m.K)}$
Pressure loss	0,23 ζ
Fire resistance class	E [EN 13501-1]
Maximum air flow	450 m ³ /h
R-Value	0,42 m ² K/W

Insulated ducting

Supply & Extract

Flow rates vs. Pressure loss



Flow rates and Velocity

Flow rate [m/s]	[m³/h]	[l/s]	Exhaust pressure loss [Pa]
0,7	50	13,9	0,1
1,4	100	27,8	0,3
2,1	150	41,7	0,6
2,8	200	55,6	1,0
3,5	250	69,4	1,6
4,2	300	83,3	2,3
4,8	350	97,2	3,1
5,5	400	111,1	4,0
6,2	450	125,0	5,1