

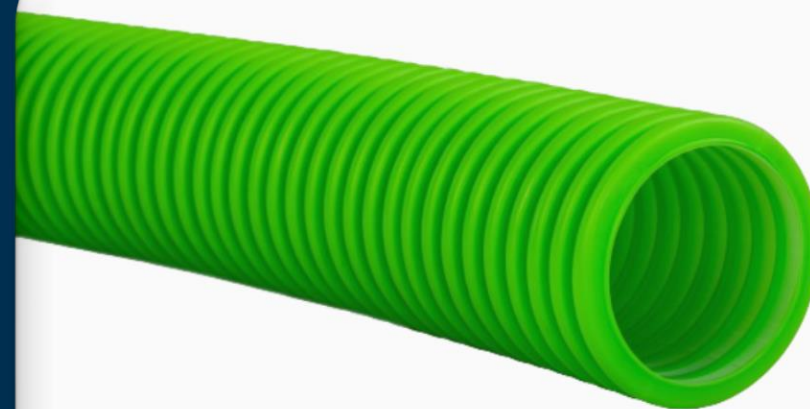
**TPLAST** S.A.®



**PRODUCTS FOR MECHANICAL  
VENTILATION AND RECUPERATION**

# ROD-VENT

Three-layer structured  
PE ventilation pipe





# ROD-VENT

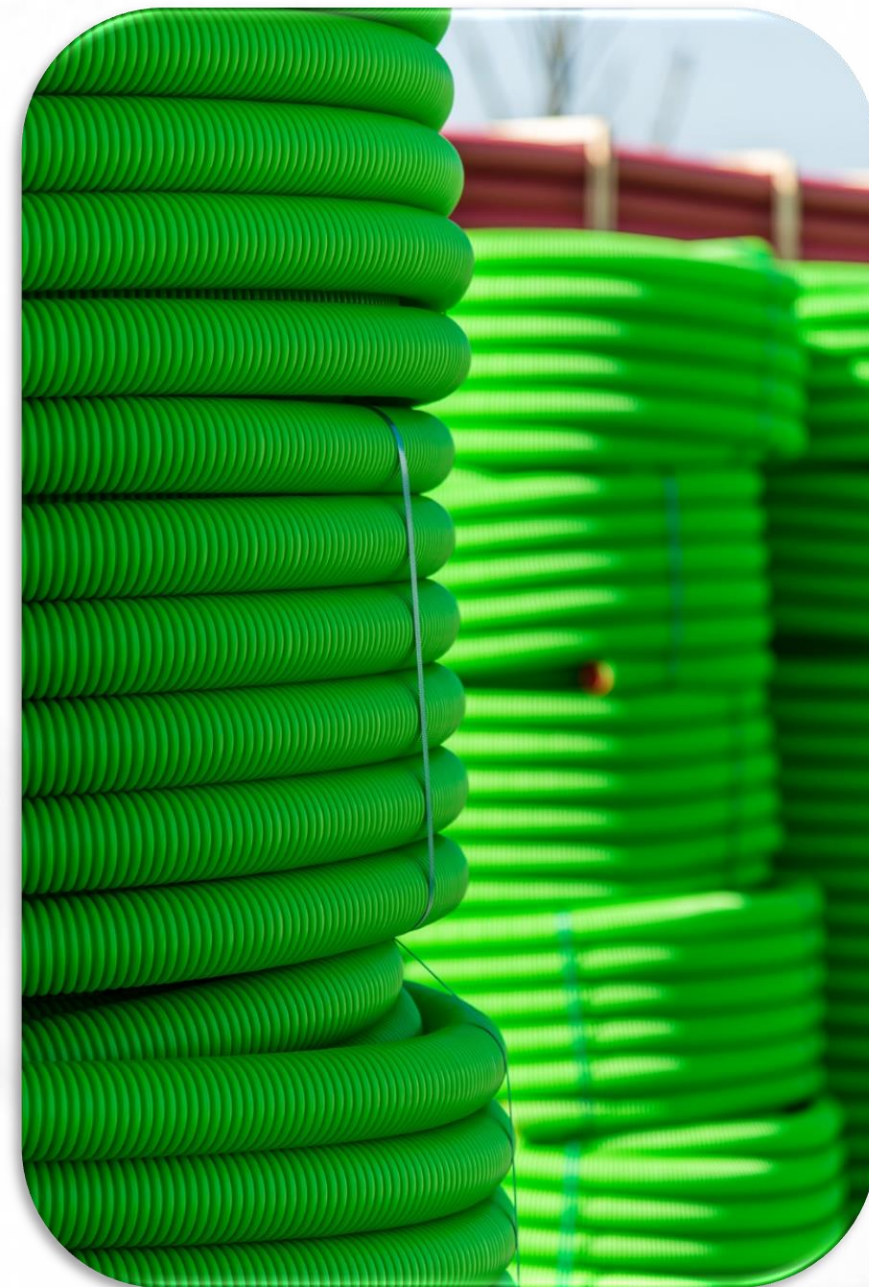
Availability in versions:

**ROD-VENT-** ventilation pipe without anti-bacterial and anti-static ingredients

**ROD-VENT-V-** ventilation pipe with anti-bacterial properties. The inner surface is coated with additives based on zinc compounds with unique anti-bacterial and antifungal properties.

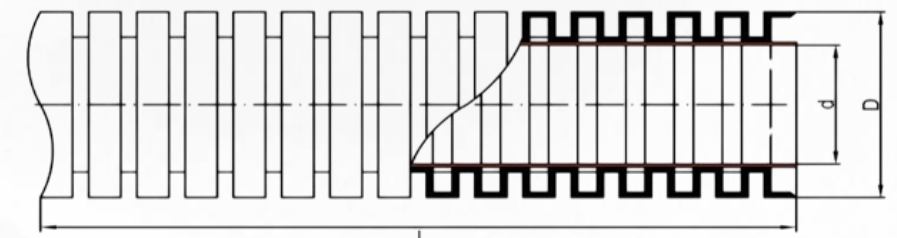
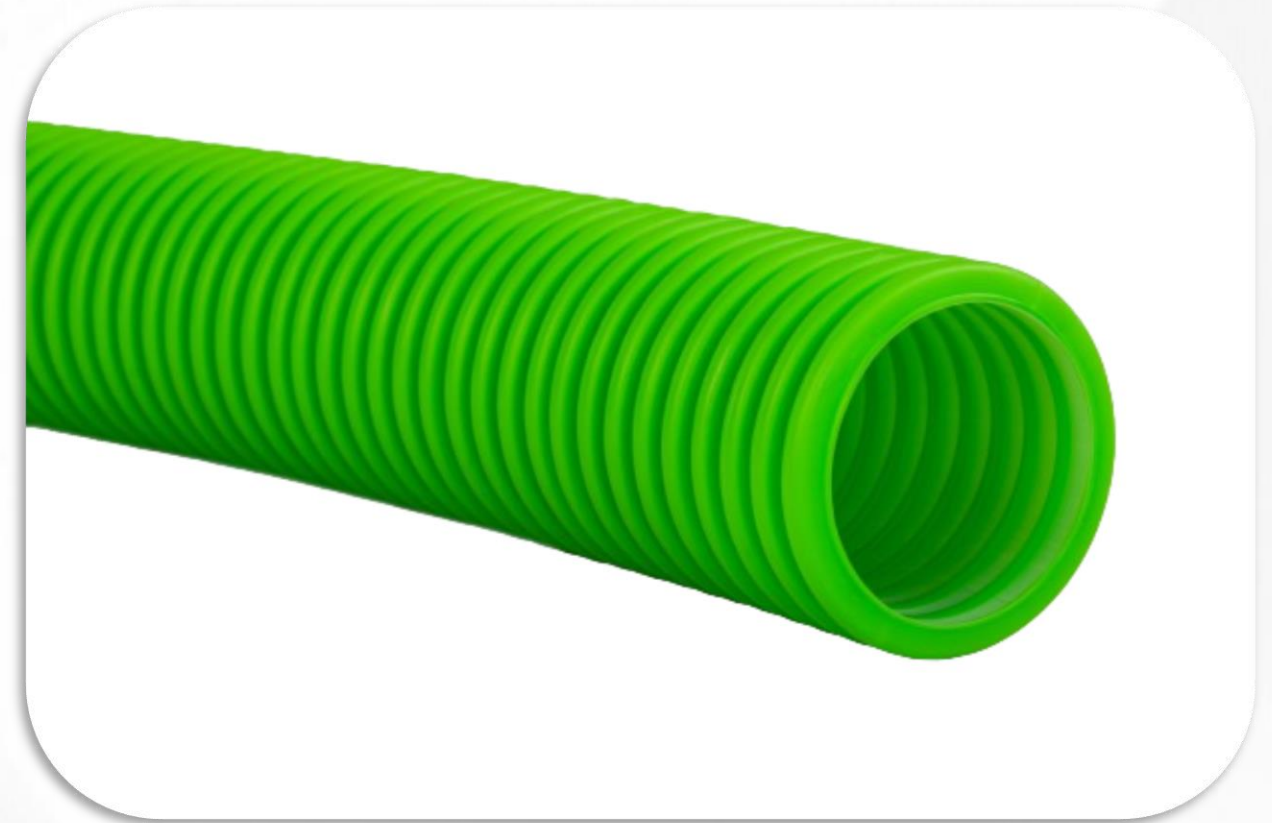
**ROD-VENT-VX-** ventilation pipe with anti-static properties. In order to improve the antistatic properties, the smooth inner surface has been refined with a highly effective preparation aimed at reducing the surface tension.

**ROD-VENT-VA-** ventilation pipe with anti-bacterial and anti-static properties..



# ROD-VENT

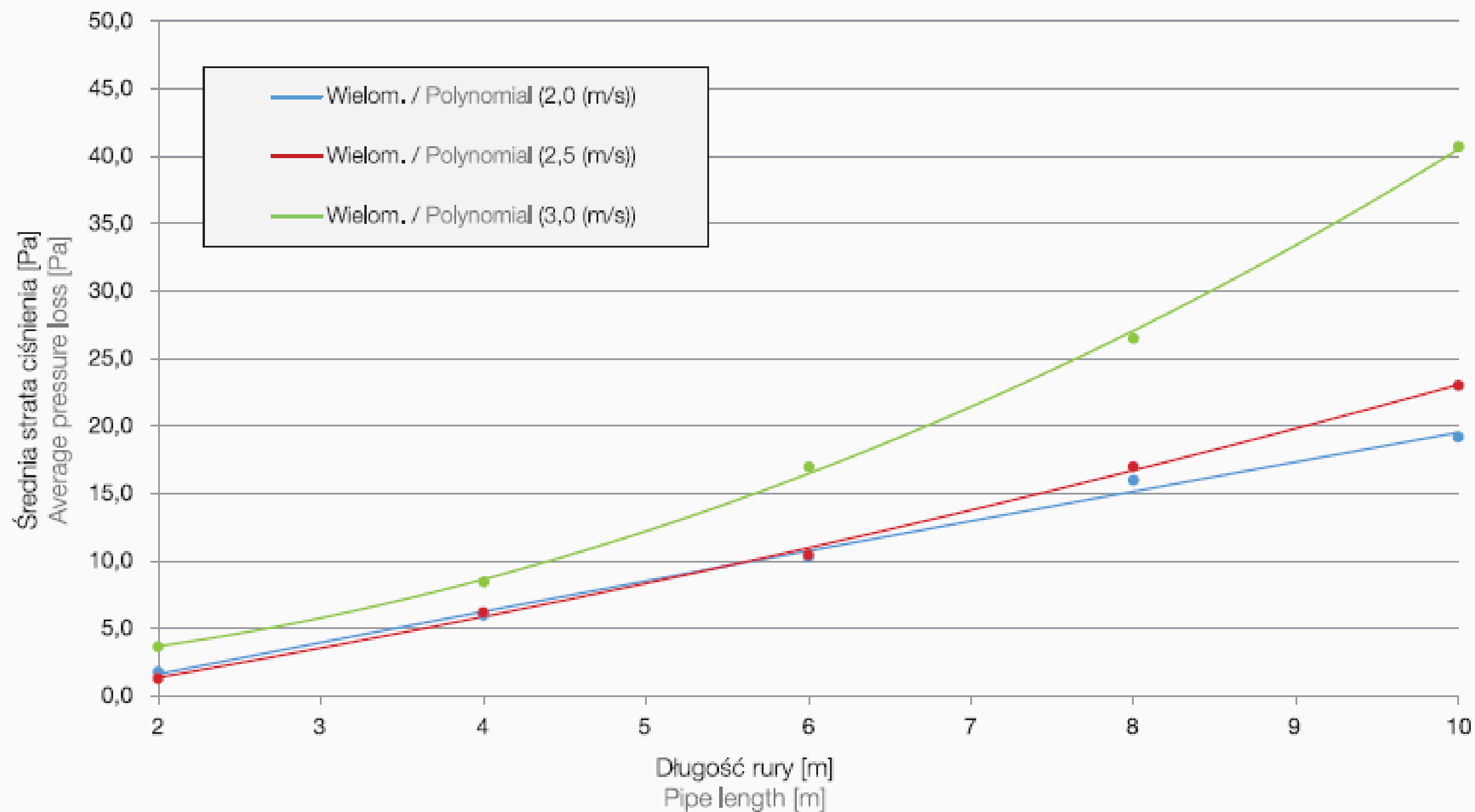
<b>Application</b>	<ul style="list-style-type: none"> <li>• For distributing air in indoor mechanical ventilation systems.</li> <li>• Pipes may be installed in suspended ceilings, partition walls, floor slabs, concrete floors; laid in the ground</li> </ul>
<b>Material</b>	HDPE
<b>Ø External D [mm]:</b>	50;63;75;90;110;125;160
<b>Ø Internal D [mm]:</b>	40;52;60;76;92;134
<b>Operating temperature</b>	-15°C ÷ 50°C
<b>Compressive strength</b>	450N
<b>Fire reaction class</b>	E
<b>Bending radius [mm]:</b>	100;130;150;180;220;320
<b>Length of coils L [m]:</b>	25;50
<b>Color:</b>	-green on the outside -natural on the inside



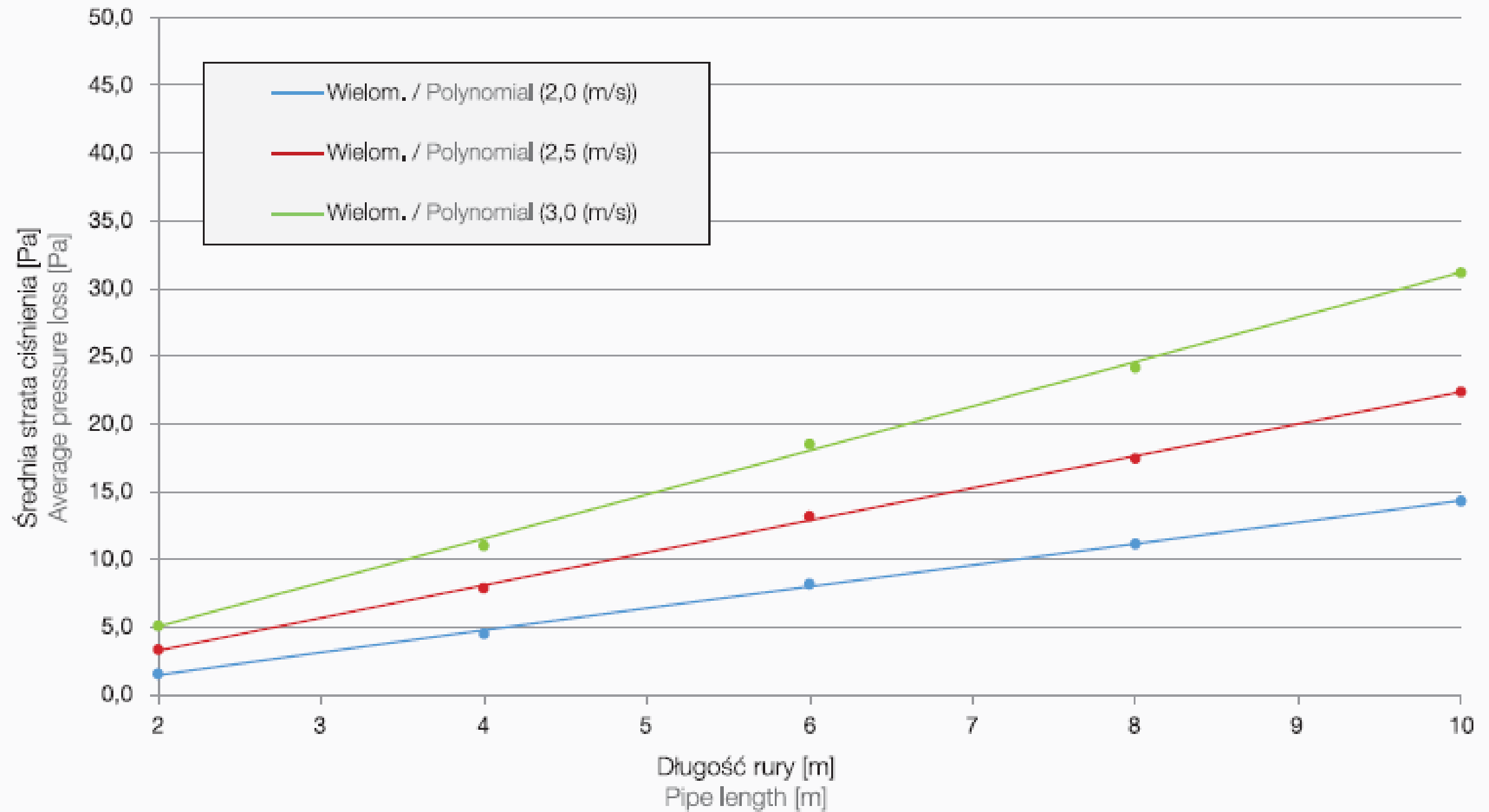
# PRESSURE LOSS AS A FUNCTION OF FLOW RATE FOR DIFFERENT PIPE LENGTH

Długość rury L [m] Pipe length L [m]	Prędkość V [m/s] Velocity V [m/s]	Strumień Q [m³/h] Flow rate Q [m³/h]					Średnia strata ciśnienia [Pa] Average pressure loss [Pa]				
		DN 50	DN 63	DN 75	DN 90	DN 110	DN 50	DN 63	DN 75	DN 90	DN 110
2	2,0	9,2	15,6	23,7	31,8	48,7	1,8	1,5	7,0	1,9	0,2
	2,5	11,5	19,5	29,7	39,4	61,0	1,3	3,3	6,0	3,7	1,4
	3,0	13,9	22,9	35,9	47,3	72,8	3,7	5,1	11,0	6,2	2,8
4	2,0	9,1	15,5	23,8	31,9	48,4	6,0	4,5	7,0	4,1	2,1
	2,5	11,5	19,3	29,7	39,5	60,9	6,2	7,8	11,0	7,1	4,4
	3,0	13,9	22,9	35,8	47,7	73,1	8,5	11,1	15,0	11,1	7,1
6	2,0	9,3	15,4	23,8	31,9	48,4	10,3	8,1	9,0	6,9	3,9
	2,5	11,6	19,5	29,7	39,5	60,9	10,5	13,1	13,0	11,3	7,0
	3,0	13,8	23,0	36,2	47,6	72,9	17,0	18,5	17,0	17,1	10,9
8	2,0	9,2	15,2	23,8	32,0	48,4	16,0	11,1	14,0	8,7	5,8
	2,5	11,6	19,1	29,9	39,5	61,0	17,0	17,4	20,0	14,0	10,1
	3,0	13,8	22,8	36,0	47,7	73,3	26,5	24,2	30,0	20,9	15,0
10	2,0	9,2	15,4	23,9	31,8	48,5	19,2	14,3	16,0	12,8	6,8
	2,5	11,6	19,0	29,6	39,8	61,4	23,0	22,3	27,0	20,1	11,3
	3,0	13,9	23,0	36,0	47,4	73,9	40,7	31,2	40,0	29,9	16,9

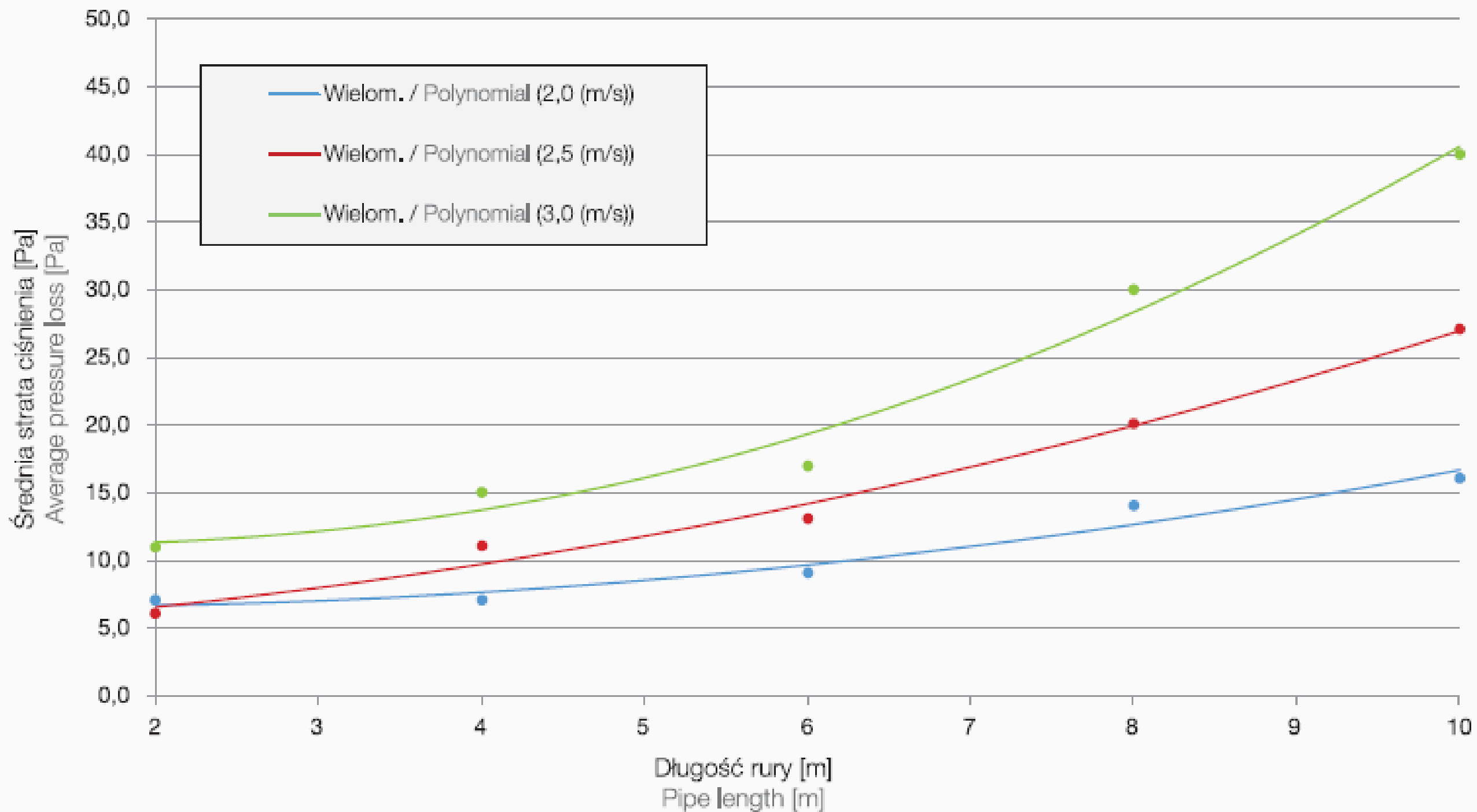
# VENTILATION PIPE DN 50



# VENTILATION PIPE DN 63

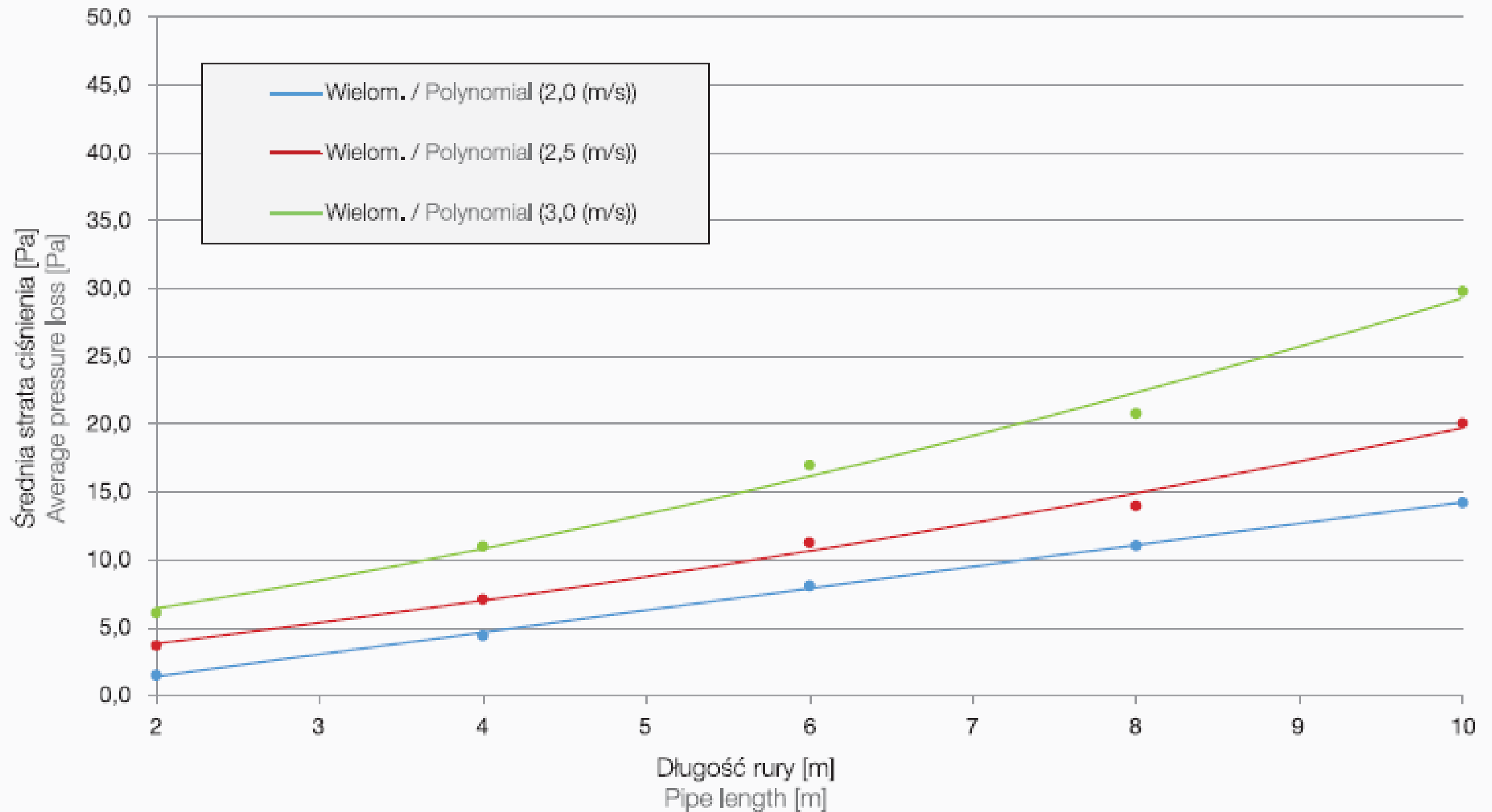


# VENTILATION PIPE DN 75

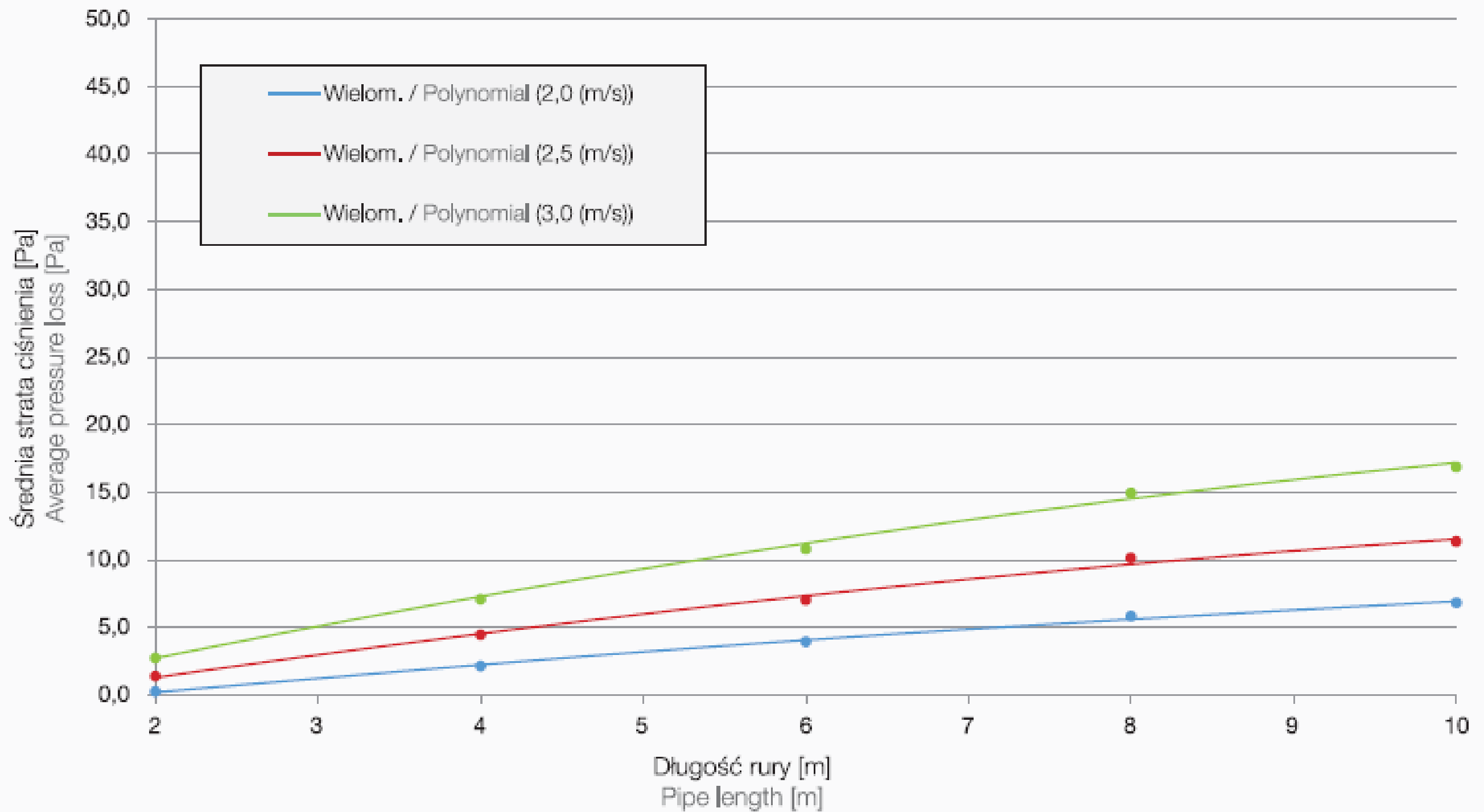




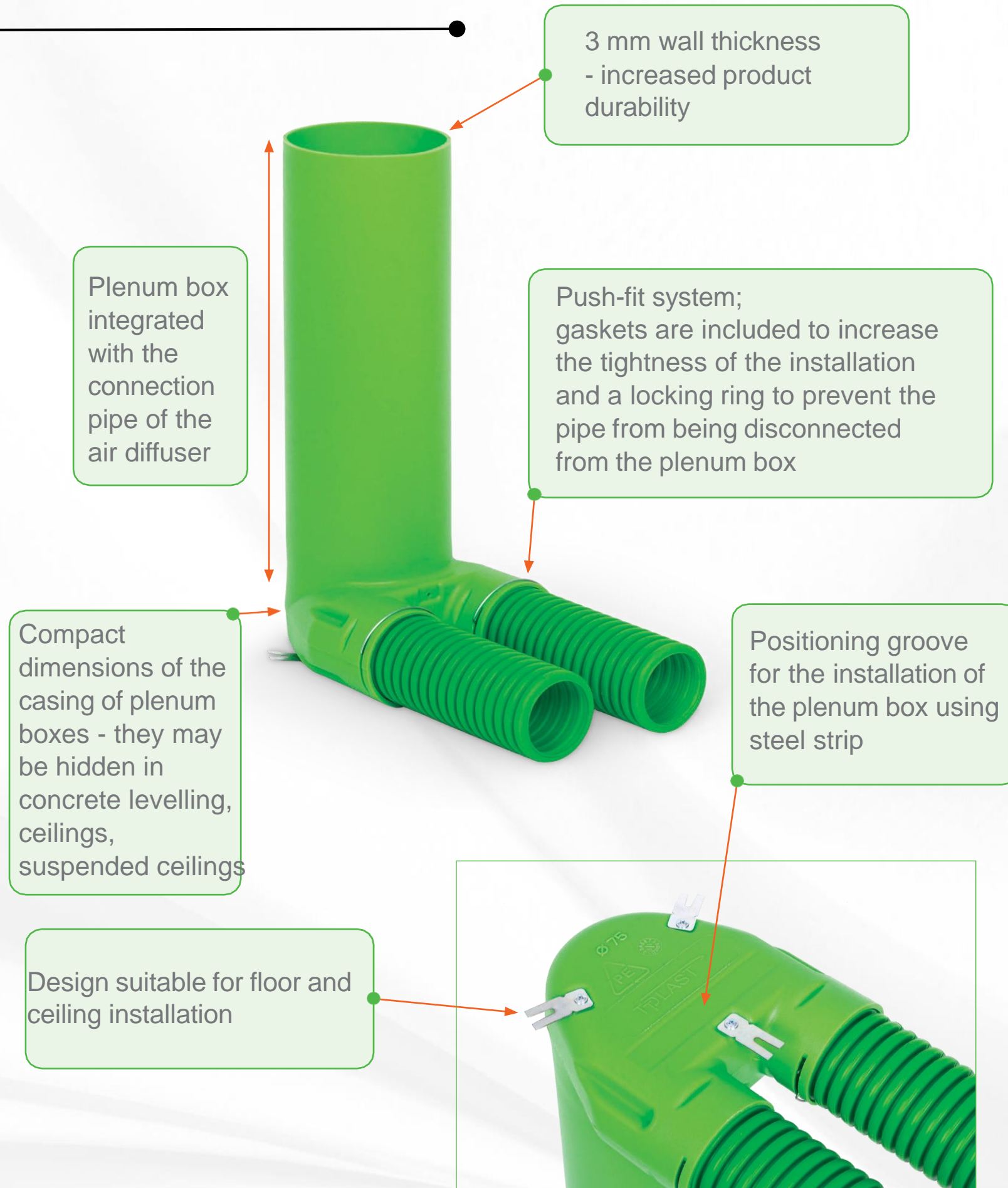
# VENTILATION PIPE DN 90



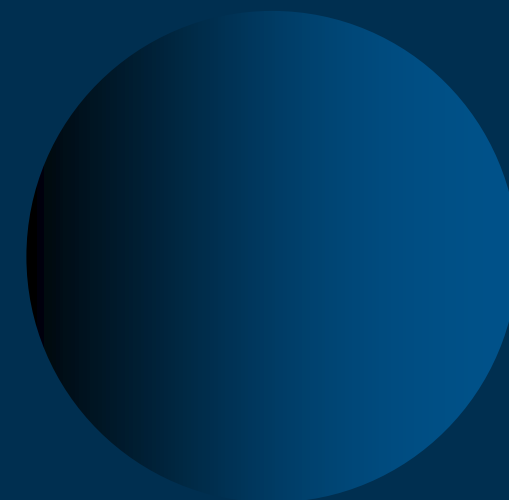
# VENTILATION PIPE 110



# SR-VENT plenum box



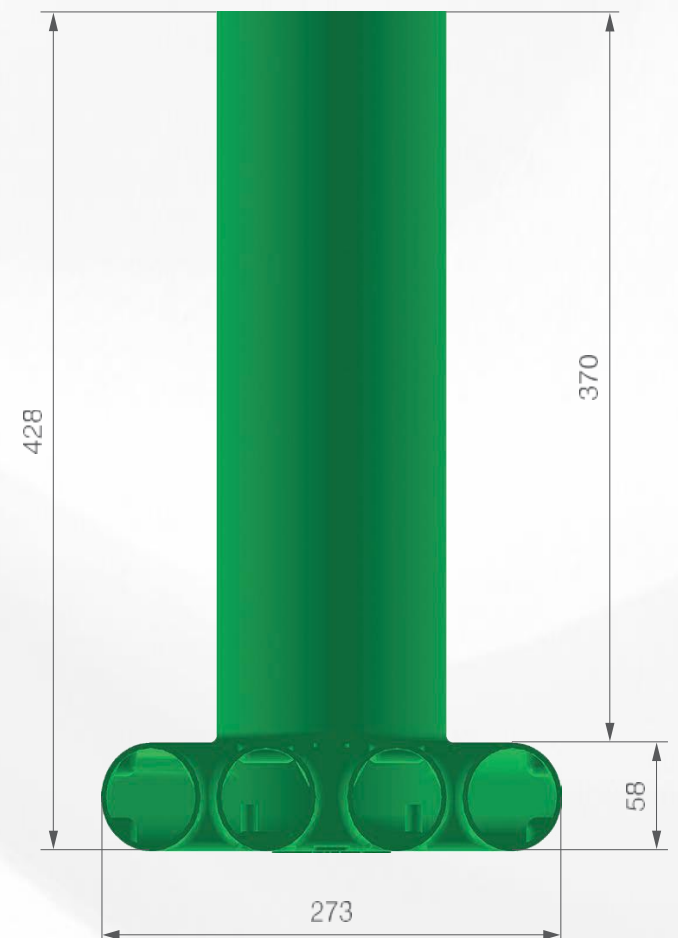
# SR-VENT plenum boxes





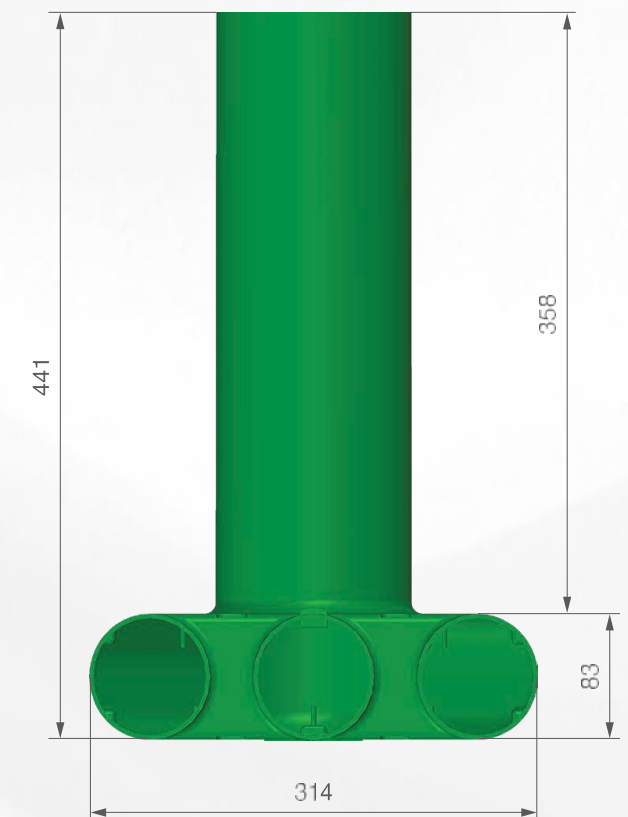
# SR-VENT plenum box 50x4x125

Symbol	•SR-VENT 50x4x125
Material	HDPE
Color	green
Ø Diameter of the ventilation pipe connection [mm]:	50
Ø Diameter of the air diffuser connection [mm]:	125
Number of holes for ventilation pipes [pcs]:	4
Bulk packaging:	8 pcs/pack
Dimensions of the bulk packaging [m]:	0,6 x 0,4 x 0,6
Included	-Mounting brackets with screws - 3 pcs -Pipe gasket Ø50- 4pcs -Air diffuser gasket Ø125- 1pcs



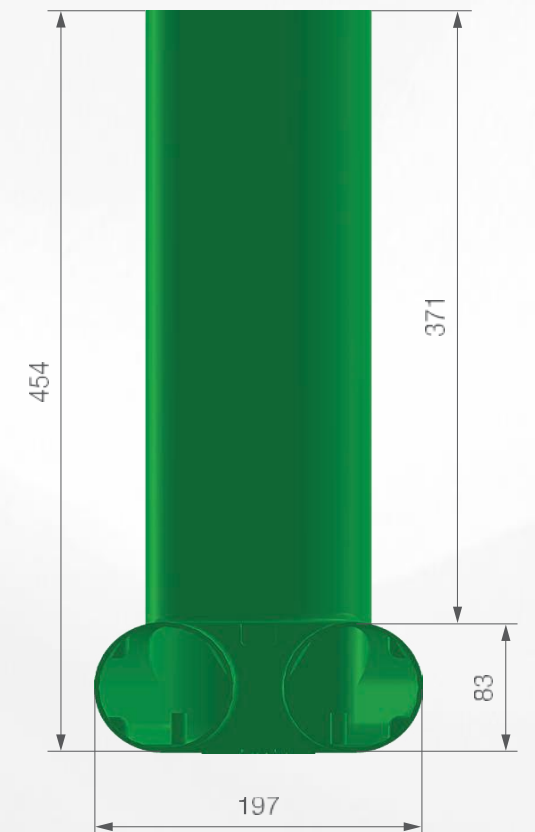
# SR-VENT plenum box 75x3x125

Symbol	•SR-VENT 75x3x125
Material	HDPE
Color	green
Ø Diameter of the ventilation pipe connection [mm]:	75
Ø Diameter of the air diffuser connection [mm]:	125
Number of holes for ventilation pipes [pcs]:	3
Bulk packaging:	8 pcs/pack
Dimensions of the bulk packaging [m]:	0,6 x 0,4 x 0,6
Included	-Mounting brackets with screws – 5 pcs
	-Locking ring -3 pcs
	-Pipe gasket Ø75- 3 pcs
	-Air diffuser gasket Ø125 - 1 pcs



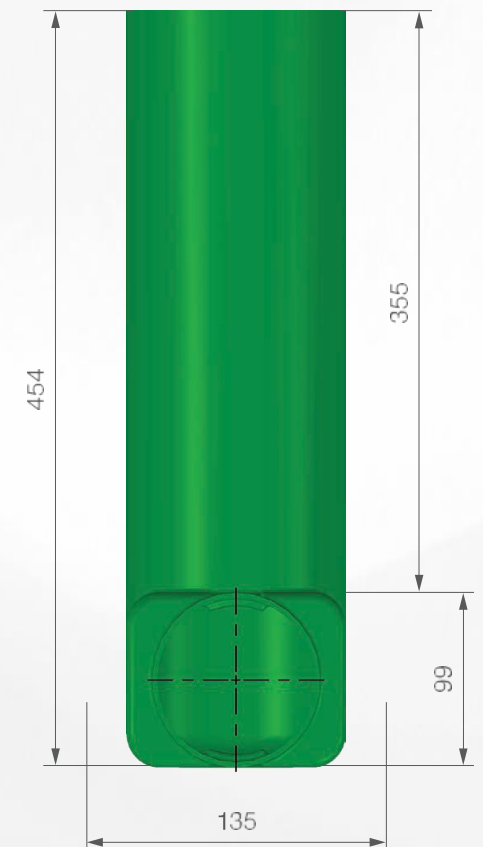
# SR-VENT plenum box 75x2x125

Symbol	•SR-VENT 75x2x125
Material	HDPE
Color	green
Ø Diameter of the ventilation pipe connection [mm]:	75
Ø Diameter of the air diffuser connection [mm]:	125
Number of holes for ventilation pipes [pcs]:	2
Bulk packaging:	8 pcs/pack
Dimensions of the bulk packaging [m]:	0,6 x 0,4 x 0,6
Included	-Mounting brackets with screws - 3 pcs -Locking ring -2 pcs -Pipe gasket Ø75 -2 pcs -Air diffuser gasket Ø125 - 2 pcs



# SR-VENT plenum box 90x1x125

Symbol	•SR-VENT 90x1x125
Material	HDPE
Color	green
Ø Diameter of the ventilation pipe connection [mm]:	90
Ø Diameter of the air diffuser connection [mm]:	125
Number of holes for ventilation pipes [pcs]:	1
Bulk packaging:	12 pcs/pack
Dimensions of the bulk packaging [m]:	0,6 x 0,4 x 0,6
Included	-Mounting brackets with screws - 3 pcs -Locking ring -1 pcs -Pipe gasket Ø75 - 1 pcs -Air diffuser gasket Ø125 - 1 pcs





# INSTALLATION ACCESSORIES

for ventilation pipes



# TECHNICAL INFORMATION OF MATERIALS WE USE



FOR THE PRODUCTION OF VENTILLATION PIPES  
AND PLENUM BOXES WE USE VIRGIN MATERIALS.

# HDPE chemical resistance

Chemical substances		Level of resistance
Water		+
Acids	Weak	+
	Strong	+
	Hydrofluoric	+
Zasady	Weak	+
	Strong	+
Inorganic salts		+
Halogens		-
Oxidizers		-
Solvents	Paraffinic hydrocarbons	-
	Halogenated alkanes	⊗
	Alcohols	+
	Ethers	■
	Esters	+
	Ketones	+
	Organic acids	+
	Aromatic compounds	⊕
Fuels		⊕
Petroleum		⊕
Fats, oils		+

- + Resistant
- ⊕ Resistant to conditionally resistant
- Conditionally resistant
- ⊗ Conditionally resistant to non-resistant
- Non-resistant

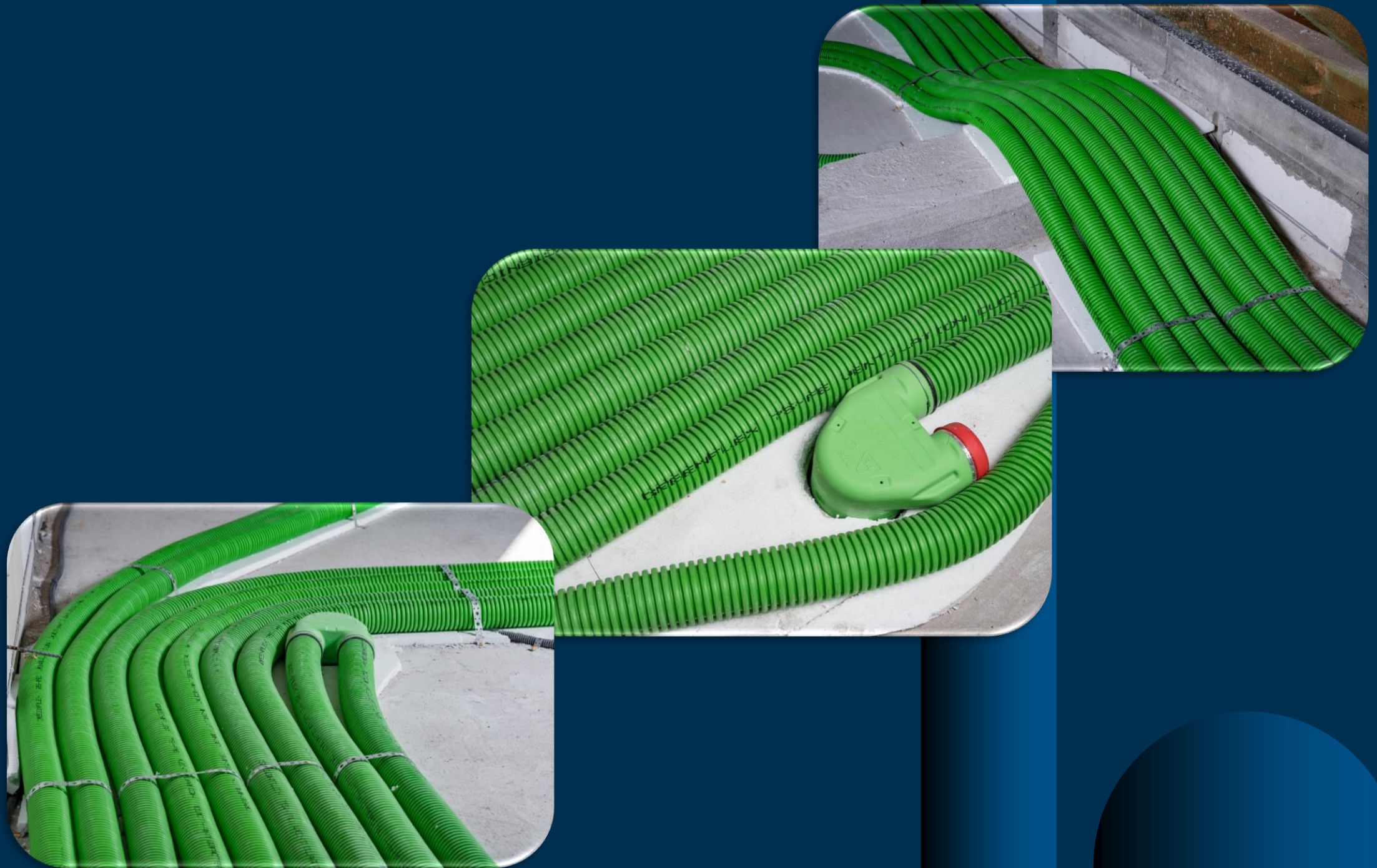
# ADVANTAGES OF HDPE VENTILATION PIPES:

---





# PRESENTATION OF VENTILATION PIPES ON THE CONSTRUCTION SITE

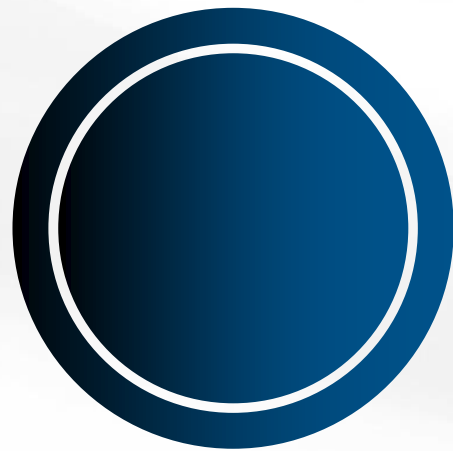






**TTPLAST** S.A.®

**THANK YOU FOR YOUR  
ATTENTION!**



-  12 284 46 41
-  [eksport@ttplast.com](mailto:eksport@ttplast.com)
-  [www.ttplast.com](http://www.ttplast.com)
-  Targowisko 476  
32-015 Kłaj

