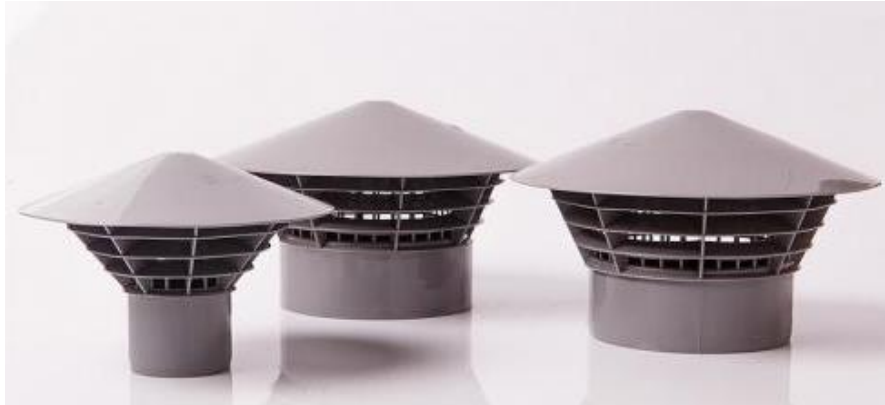


PRODUCT DATA SHEET (ver.04/02.2018)



1. Name

Ventilation and air admittance valves for sewage

- **UniVent** venting device
- Exhaust systems
- Rubber flanges

2. Product overview

Sewer venting cowls and exhaust systems are an element necessary for the proper functioning of every gravity sewage system. Venting cowls produced by Capricorn perfectly fulfil the ventilation function while maintaining the aesthetic value and longevity of the product.

The rubber flanges are used as a sealing element for the passage through the roofs of trapezoidal metal roofs.

Legal aspect:

Sewer pipes should be led out as ventilation ducts above the roof, above the edge of windows and doors. It is not required to lead all pipes provided that:

- at the ends of the pipes air admittance valves are used,
- moving the last pipe above the roof and every fifth of the remaining pipes in the building.

3. Construction

Venting device:

Capricorn **UniVent** venting cowls are made of one piece of plastic. The unique design of injection moulds allows the production of complicated elements of the venting cowls in one monolithic block.


Exhaust systems:

The exhaust systems are made of exhaust pipes terminated with a venting cowl, the pipe is finished with a plastic flange that serves as a rosette for the passage through the roof.


Rubber flanges:


The flanges are made of rubber based on EPDM flint finished with an aluminium frame that allows to bend the collar to the roof surface.

- **UniVent** venting device


Code	Diameter Ø	Installation	Colour	Photo
9-3003-050-38-01-03	50	over the duct	gray	
9-3003-050-38-01-07			brown	
9-3003-050-37-01-03		in the cup	gray	
9-3003-050-37-01-07			brown	
9-3003-075-38-01-03	75	over the duct	gray	
9-3003-075-37-01-03		in the cup	gray	
9-3003-110-38-01-03	110	over the duct	gray	
9-3003-110-38-01-07			brown	
9-3003-110-38-01-10			black	
9-3003-110-37-01-03		in the cup	gray	
9-3003-110-37-01-07			brown	
9-3003-110-37-01-10			black	
9-3003-160-38-01-03	160	over the duct	gray	
9-3003-160-37-01-03		in the cup	gray	
9-3003-160-37-01-10			black	

- exhaust systems

Code	Dimensions [mm]		Installation	Colour	Photo
	Ø	High			
9-3011-500-44-01-03	110 / 160	500	in the cup Ø 110	gray	
9-3011-000-44-01-03		1000			

9-3013-500-41-01-03		500	in the cup Ø 110		
9-3013-000-41-01-03		1000			

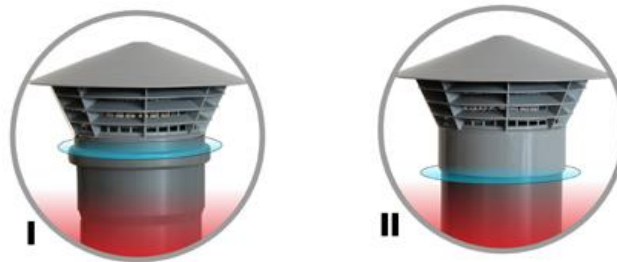
- rubber flanges

Code	Dimensions [mm]			Photo
	Ø	High	Base width	
9-2400-050-00-06-00	50-110	83	205	
9-2400-110-00-06-00	50-160	105	257	

4. Working principle

The task of venting devices and exhaust systems is to vent pipes of sewage systems, as well as tanks and channels in septic tanks. Venting cowls discharge channel gases, generated as a result of sewage decontamination processes, outside the building. Venting cowls are also used to admit air to the sewage system, which in turn does not allow odours to escape from the sink or bathtub. Venting cowls can be assembled on their own or in sets: with a pipe or as complete exhaust systems.

Assembly



I- IN PIPE

II- OVER THE PIPE

Sewer pipes should be led out as ventilation ducts above the roof, as well as above the edge of windows and doors - at a distance of not less than 4 metres.

It is unacceptable to mount air admitting sewage pipes in ventilation ducts and chimney ducts.

The height of the venting cowl should guarantee a free air supply even during heavy snowfall:

- for steep roofs height of min. 0.5m
- for flat roofs - min. 1 m

EPDM Rubberflanges:

The flanges are dedicated to sealing passages on trapezoidal roofs. To make a tight connection between the flange and the exhaust pipe:

- cut an opening 20% smaller than the actual diameter of the pipe on which the flange will be applied - this will ensure perfect adhesion and tightness of the connection,
- then move the flange down to the roof surface,
- the flange has an aluminium rim, thanks to which it is possible to shape it appropriately to the plane of the roof,
- degrease the roof surface and the flange, then seal with roofing silicone or a different sealing substance.
- finally, firmly press the flange against the roof surface and fix it with the roofing screws.



5. Technical specifications

Venting cowls material: venting cowls are made of polypropylene with the addition of UV stabilizer, which is characterized by very good resistance to weather conditions.

Material of rubber flanges: flanges are made of very durable, high-quality rubber based on EPDM rubber.

EPDM rubber has very good strength and quality parameters, including:

- resistance to weather conditions (ozone, UV radiation),
- water resistance,
- good properties for high temperatures up to + 110° C,
- flexibility at low temperatures down to -40° C,
- hardness in the range of 40-90 Shore,
- high chemical resistance,
- the EPDM destroying air temperature is above + 150° C or below -54° C,
- the temporary tensile strength is 170 bar, and the damage occurs when the size is changed by 600%.
- EPDM rubber has a minimum durability of 50 years.

6. Product code

Code	Name
9-3003-050-37-01-03	VENTING DEVICE UNIVENT MONTOWANA IN PIPE Ø 50 GRAY
9-3003-050-37-01-07	VENTING DEVICE UNIVENT MONTOWANA IN PIPE Ø 50 BROWN
9-3003-050-38-01-03	VENTING DEVICE UNIVENT MONTOWANA OVER THE PIPE Ø 50 GRAY
9-3003-050-38-01-07	VENTING DEVICE UNIVENT MONTOWANA OVER THE PIPE Ø 50 BROWN
9-3003-075-37-01-03	VENTING DEVICE UNIVENT MONTOWANA IN PIPE Ø 75 GRAY
9-3003-075-38-01-03	VENTING DEVICE UNIVENT MONTOWANA OVER THE PIPE Ø 75 GRAY
9-3003-110-37-01-03	VENTING DEVICE UNIVENT MONTOWANA IN PIPE Ø 110 GRAY
9-3003-110-37-01-07	VENTING DEVICE UNIVENT MONTOWANA IN PIPE Ø 110 BROWN
9-3003-110-38-01-03	VENTING DEVICE UNIVENT MONTOWANA OVER THE PIPE Ø 110 GRAY
9-3003-110-38-01-07	VENTING DEVICE UNIVENT MONTOWANA OVER THE PIPE Ø 110 BROWN
9-3003-160-37-01-03	VENTING DEVICE UNIVENT MONTOWANA IN PIPE Ø 160 GRAY
9-3003-160-37-01-07	VENTING DEVICE UNIVENT MONTOWANA IN PIPE Ø 160 BROWN
9-3003-160-38-01-03	VENTING DEVICE UNIVENT MONTOWANA OVER THE PIPE Ø 160 SZARA GRAY
9-3003-160-38-01-07	VENTING DEVICE UNIVENT MONTOWANA OVER THE PIPE Ø 160 BROWN
9-3011-000-44-01-03	EXHAUST SYSTEMS REDUCTION+FLANGE 160/110/1000 GRAY
9-3011-500-44-01-03	EXHAUST SYSTEMS REDUCTION+FLANGE 160/110/500 GRAY
9-3013-000-41-01-03	EXHAUST SYSTEMS REDUCTION+FLANGE 160/110/1000 GRAY
9-3013-500-41-01-03	EXHAUST SYSTEMS REDUCTION+FLANGE 160/110/500 GRAY
9-2400-050-00-06-00	EPDM RUBBERFLANGE Ø <110 # 2400
9-2400-110-00-06-00	EPDM RUBBERFLANGE Ø <160 # 2410

7. Product certificates and delarations

- Declaration of compliance No. 09/2017 of 02.01.2017
- Technical approval AT-15-8202/2009

- "B" symbol



8. Advantages

- patented construction of one piece of plastic, in which there are no connections,
- venting cowls made of durable PP material with a stabilizer that guarantees resistance to UV radiation,
- aesthetic appearance,
- barrier against uncontrolled blocking of air admittance systems (e.g. getting leaves, insects or birds),
- convenient assembly adapted to each sanitary installation system, perfectly ventilated sanitary installation system in your home

9. Warranty and liability

During the installation it is required to observe OHS rules included in building regulations and norms. Capricorn S.A. More information about warranty and extent of liability on www.capricorn.pl/en

10. Manufacturer

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