



**INSTALLATION SYSTEMS**

*CORPORATE PRESENTATION*





**Bakar Industrial zone**





Vargon factory



# Vargon d.o.o. - Croatia

- The company was founded in 1973 as a metal turning workshop
- During the last 29 years we have been involved in the plastic production
- Today we are the leading regional manufacturer of plastic pipes and fittings for residential and infrastructure applications

- The factory covers surface area of 60,000 m<sup>2</sup> of which over 15.000 m<sup>2</sup> is covered for production and warehouse space

- We currently have 240 full-time employees

- Distribution centers in Rijeka, Zagreb and Osijek

- We process 9000 tons of raw materials

- We comply with EU standards. Including ISO 9001 and ISO 14001 certifications

- Over 350 customers

- Own quality control laboratory





## Export of company Vargon

- The company export since 1996
  - The first export was in Bosnia and Herzegovina, and later spread to other countries in the region
  - Since then, exports have been growing steadily
  - We export to 15 countries worldwide
  - Exports represents more than 50% of overall turnover
- 

# The path of growth

Actively exhibiting at trade fairs in :

-  **IFAT, Munchen**
-  **ISH, Frankfurt**
-  **THE BIG 5, Dubai**
-  **Construction fair SEEBBE, Belgrade**
-  **Aquatherm, Baku**
-  **Plovdiv, Bulgaria**
-  **Milano, Italy**

## Countries where we export our products:



- **Slovenia**
- **Italy**
- **Austria**
- **Germany**
- **Netherlands**
- **Greece**
- **Ireland**
- **Malta**

## Other countries:

- **Bosnia and Herzegovina**
- **Serbia**
- **Montenegro**
- **Kosovo**
- **Albania**
- **Chile**
- **Saudi Arabia**
- **Qatar**
- **Izrael**

# VARGON COMPLIES WITH INTERNATIONAL QUALITY CERTIFICATIONS





# ***vargokal ST***

## **HOUSE SEWER SYSTEM - SINGLE LAYER**

***vargokal ST*** installation system consist of a single layer pipes and fittings. They are produced from polypropylene (PP) polymers. The primary application of the pipe is drainage of waste water for residential and industrial use.

Pipes are manufactured with integrated connection socket and have compact single-layer wall and are supplied with the appropriate connection seal. The pipe wall is made from a single layer of pure PP. The pipe colour is grey RAL 7037.

Pipes are supplied with associated fittings produced in the following dimensions:

**DN 32, 40, 50, 75, 90, 110, 125, 160**



**31db**





# *vargokal* 3S

## HOUSE SEWER SYSTEM - TRIPLE LAYER

*vargokal* 3S pipes are produced from polypropylene (PP) polymers with the addition of the mineral filler (MF). The primary application of the pipe is drainage of waste water for residential and industrial use.

Pipes are manufactured with integrated connection socket, have compact multi-layered wall and come with a corresponding connection seal. The pipe wall is made of three layers, the outer and inner layer made of pure PP and middle layer with the addition of the mineral filler. The outer layer of the pipe is grey RAL 7037, and the inner layer is white RAL 9003.

Pipes are produced in the following dimensions:

**DN 32, 40, 50, 75, 90, 110, 125, 160**



**20db**  
 **Fraunhofer**



# ***vargokal PLUS***

## HOUSE SEWER SYSTEM - LOW NOISE

**vargokal PLUS** installation system consist on **vargokal PLUS**, single layer fittings and three layer **vargokal PLUS 3S** pipes which are produced from polypropylene (PP) polymers with the addition of the mineral filler (MF). The primary application of the pipe is drainage of waste water for residential and industrial use.

Pipes are manufactured with integrated connection socket, have compact multi-layered wall and come with a corresponding connection seal. The pipe wall is made of three layers, the outer and inner layer made of pure PP and the middle layer with the addition of mineral filler.

The outer layer of the pipe is blue RAL 9005, and the inner layer is white RAL 9003.

Pipes are produced with associated fittings in the following dimensions:  
**DN 32, 40, 50, 75, 90, 110, 125, 160**



**17db**  
 **Fraunhofer**





# *vargokal* ULTRA

## HOUSE SEWER SYSTEM - SILENT

*vargokal* **ULTRA** installation system made of single layer, for fittings and pipes, which are produced from polypropylene (PP) polymers with the addition of the mineral filler (MF). The primary application of the pipe is drainage of waste water for residential and industrial use.

Pipes are manufactured with integrated socket for connection, characterized by a compact single-wall and come with a corresponding connection seal. The pipe wall is made from a single layer of pure PP with the addition of mineral filler. The pipe is light grey RAL 7035.

Pipes are produced with associated fittings in the following dimensions:

**DN 58, 78, 110, 135, 160**





# ***vargoterm***

**HOUSE WATER SUPPLY**

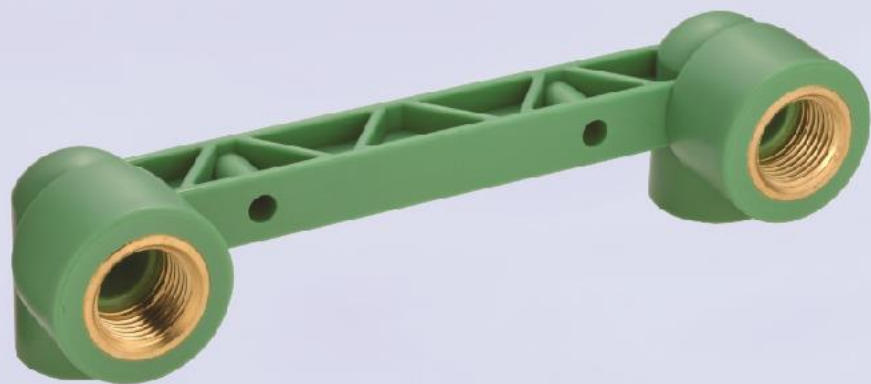
***vargoterm*** installation system designed for sanitary area, to supply hot and cold water, for heating installations and air-conditioning. The system may also be used in the industries, for chemicals transportation of chemicals and liquid foods, or for irrigation in greenhouses and gardens. The system is generally designed for installation of new pipelines, but can be used for improvement of sanitary conditions of existing installations

***vargoterm*** pipes and fittings are made of according to the corresponding norms regarding resistance, longevity and they guarantee a minimum of 50 years with pressure up to 10 bar and temperature up to 70 °C for pipe installations where rated pressure is 20 bar.

Pipes are produced with associated fittings in the following dimensions:

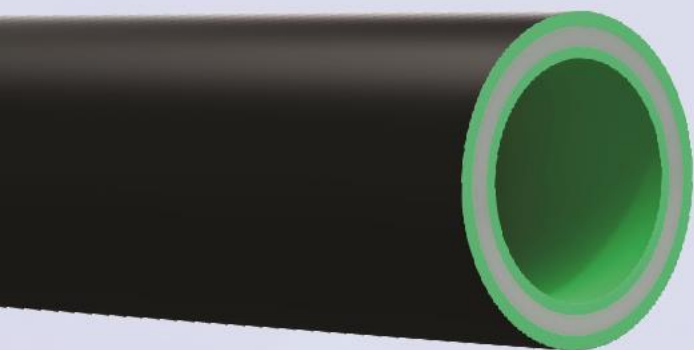
**DN 20, 25, 32, 40, 50, 63, 75, 90, 110**





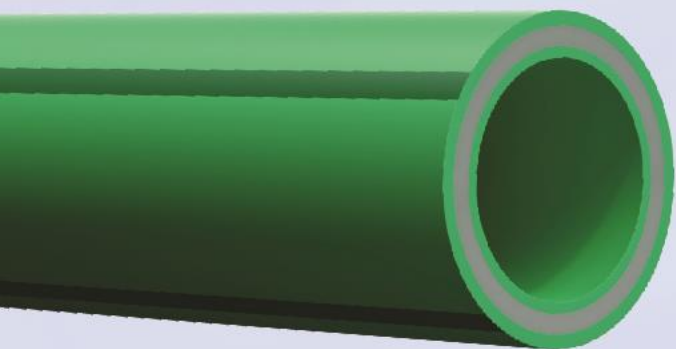


## ***vargoterm FIBRE BLACK MF / UV***



### ***vargoterm FIBRE BLACK MF/UV***

SDR 7.4 and SDR 9 - 4-layer pipes with UV protective outer layer, reinforced with glass fiber in the middle layer. The outer layer of the pipe is black and the inner layer is green. They are manufactured in 4 m bars in diameters from Ø20 to Ø110.



### ***vargoterm FIBRE MF***

SDR 7.4 and SDR 9 - three-layer pipes reinforced with glass fiber in the middle layer. The color of pipes is green with four longitudinal dark green stripes. They are manufactured in 4 m bars, (longer on customer's request), and in diameters of Ø20 - Ø110.

## ***vargoterm FIBRE MF***

### ***vargoterm FIBRE MF*** and ***vargoterm FIBRE BLACK MF/UV***

composite pipes, produced in combination of PP-R and polypropylene reinforced with glass fiber in the middle layer. These are a necessary solution in today's hot and cold water distribution systems.

The middle layer of composite pipes has excellent mechanical and physical characteristics that significantly reduce the dilatation unlike the standard PP-R pipes.

Welding of ***vargoterm FIBRE MF*** and ***vargoterm FIBRE BLACK MF/UV*** composite pipes are the same as welding classic vargoterm pipes, does not require peeling off the outer layer, therefore the performance is equally quick and efficient.

### ***vargoterm FIBRE MF*** and ***vargoterm FIBRE BLACK MF/UV***

composite pipes are specially designed for systems with hot, cold water and irrigation. Their advantages include: improved hydraulics, increased pipe strength, smooth inner surface, lime and corrosion free and easy installation.



# ***vargoplen***

WATER PIPES

## ***vargoplen STRONG***

100% PE100-RC

## ***vargoplen PROTECT***

90% PE100 + 10% PE100-RC

## **SYSTEM ADVANTAGES**

- + Savings in construction
- + Faster work execution
- + Exceptional damage resistance
- + Over 100 years lifespan
- + Wide range of installation
- + Larger installation lengths

**DN 75-500**mm



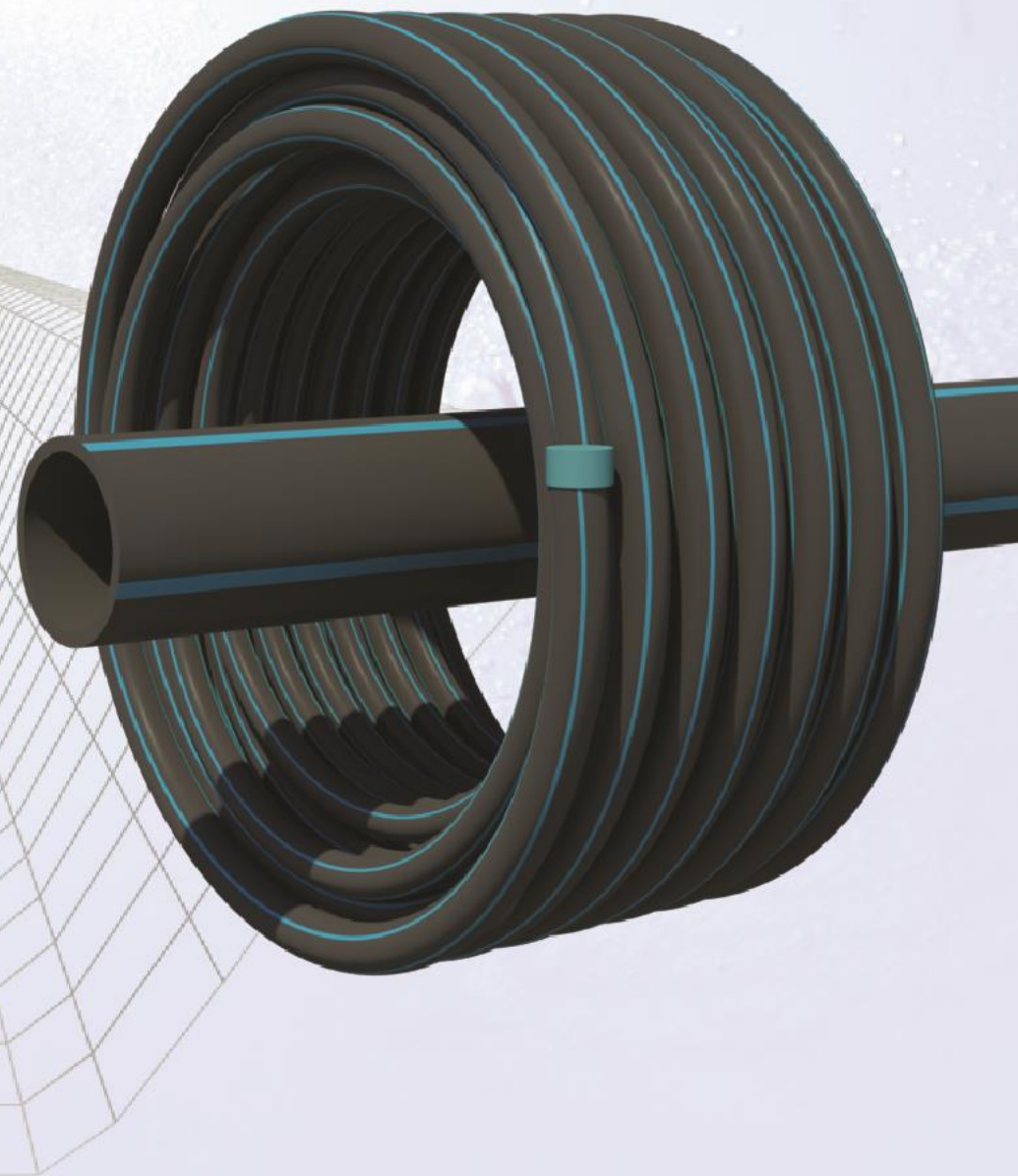
# ***vargoplen***

## WATER PIPES

**vargoplen** PE pipes are made of PE-HD PE 100 material in black color with 4 blue side lines. Used for trunk lines and water supply to buildings. They are produced in variants of 6, 8, 10, 12,5, 16, 20 and 25 bar

Pipes are produced in the following dimensions:

**DN 20, 25, 32, 40, 50, 63, 75, 90,  
110, 125, 140, 160, 180, 200, 225,  
250, 280, 315, 355, 400, 450, 500**





# ***vargokor***

SEWER PIPES

**vargokor** sewer pipe is made of PE-HD, with corrugated outer and smooth inner layer. Meets the requirements and high standards needed by our modern way of life.

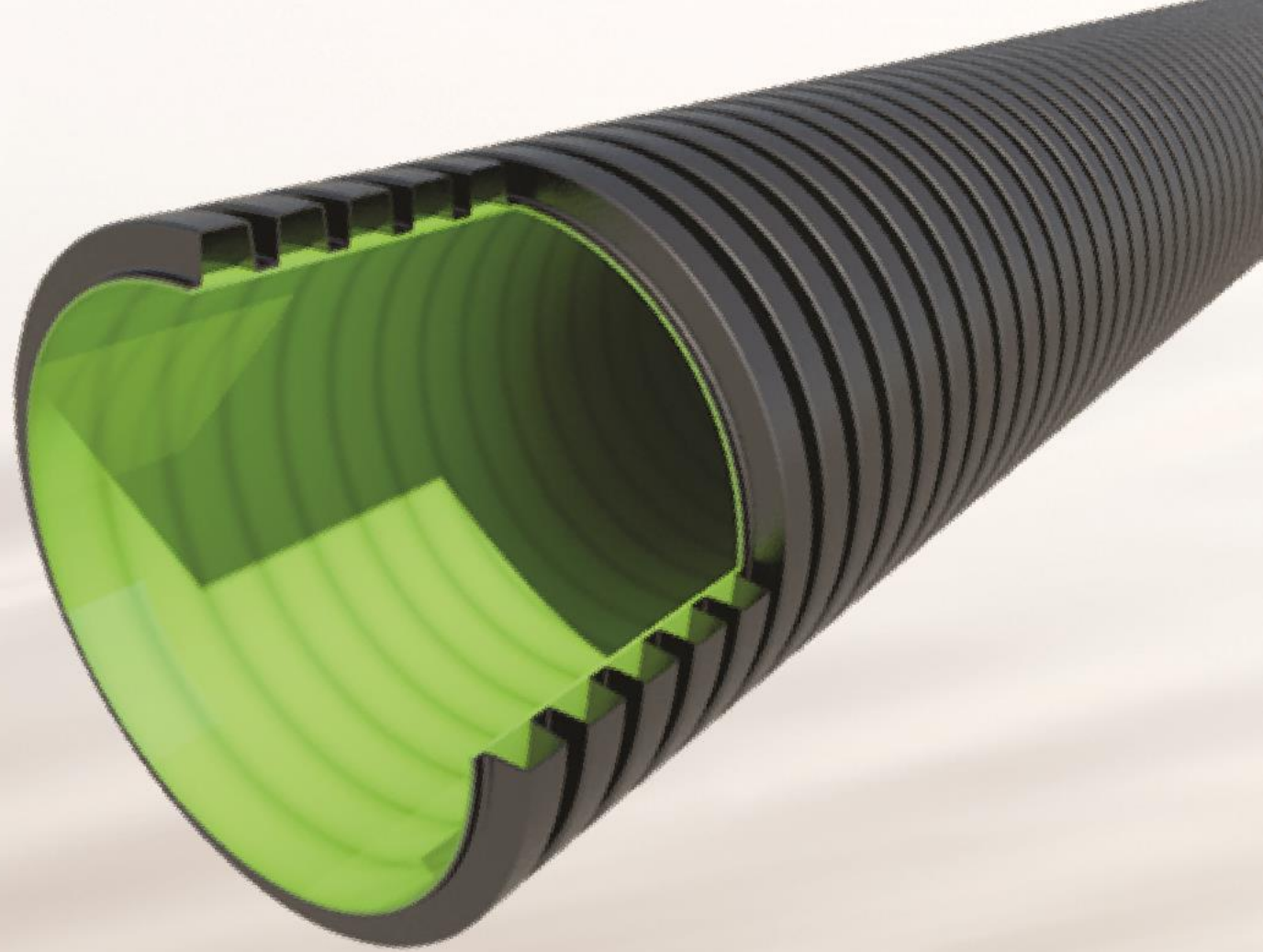
**PE-HD**  
**SN8 (8kN/m<sup>2</sup>)**

**Outer diameter – DN / OD**

DN 200, 250, 315, 400, 500, 630, 800

**Inner diameter – DN / ID**

DN 250, 300, 400





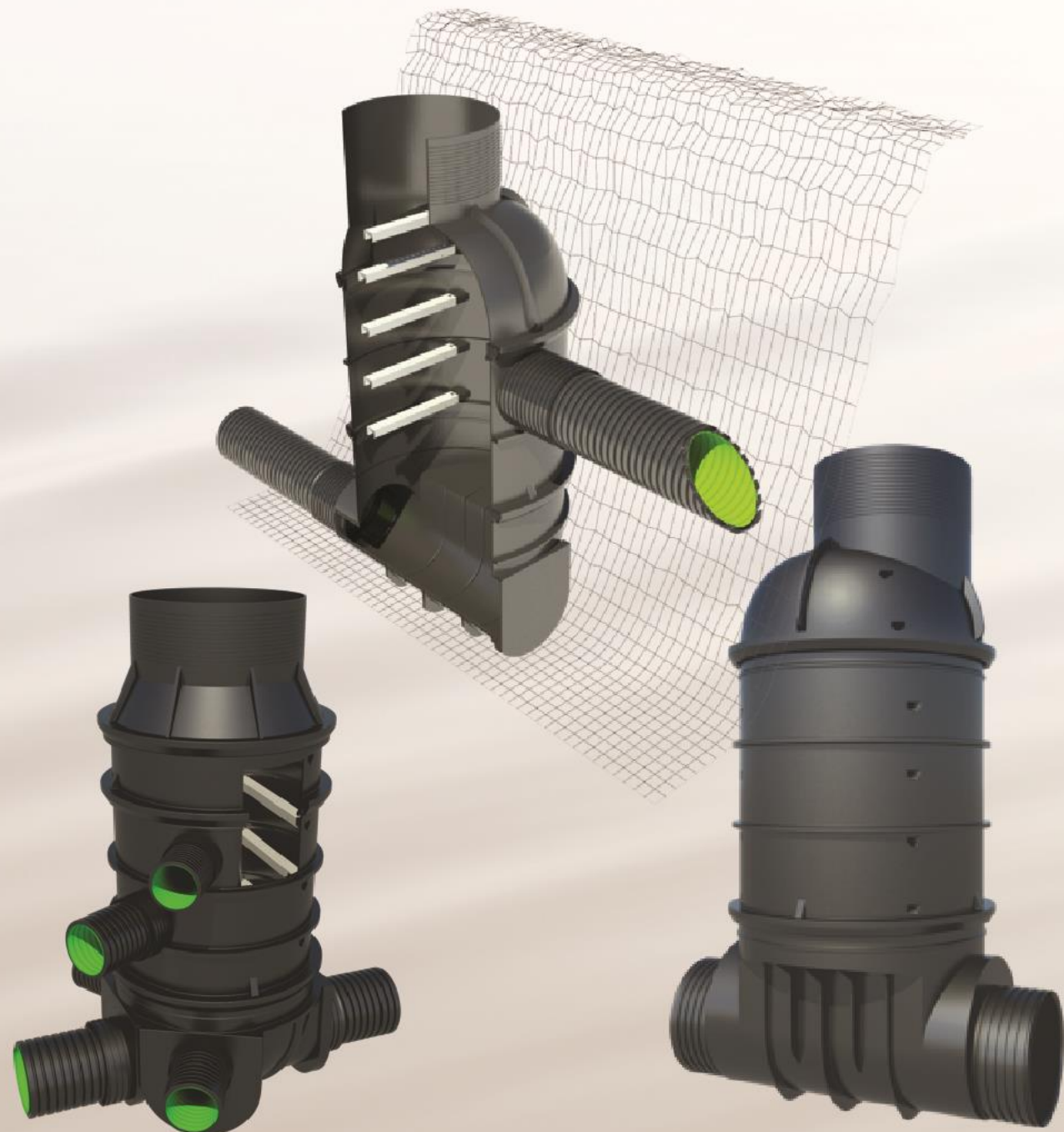
# ***vargokor***

**vargokor** inspection chambers are made with rotational moulding technology, and are supplied in set with vargokor corrugated pipes which together complete the sewage system for waste-water and storm water .

**vargokor** catch basins are made of **vargokor** PE pipes and are used for projects of rainfall water.

Inspection chambers are produced in the following dimensions:

DN	
625	1 / 1
800	1 / 1, 3 / 1
1000	1 / 1, 3 / 1

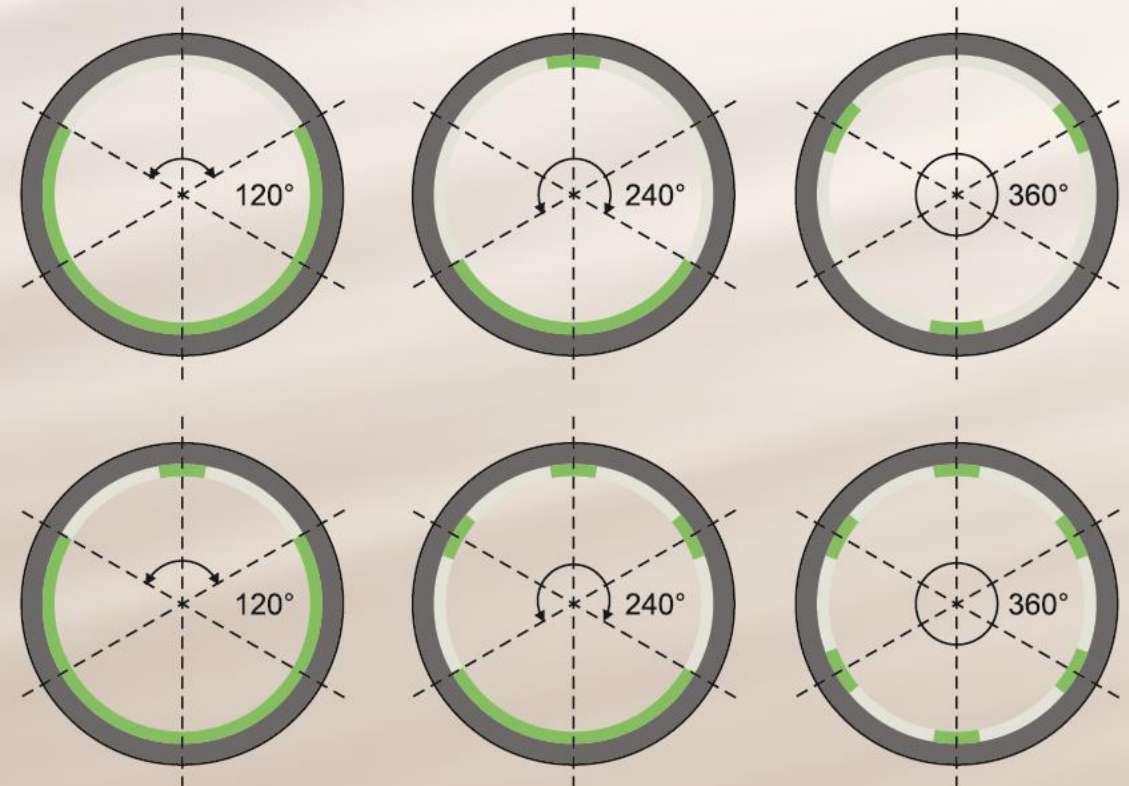


# ***vargodren***

## DRAINAGE PIPES

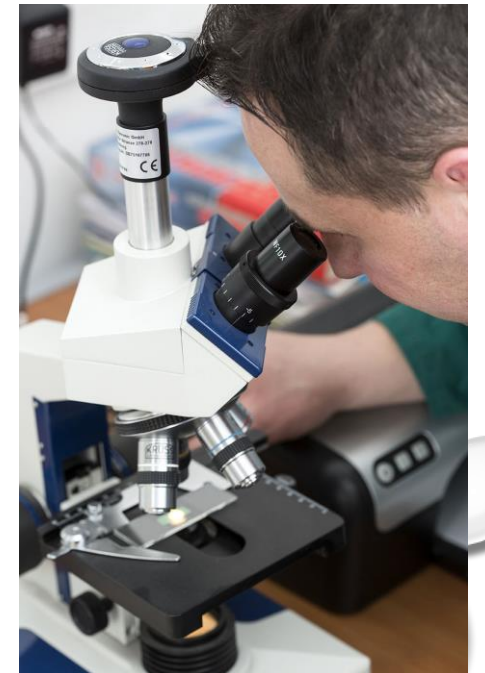
**vargodren** corrugated drainage pipes are made from **vargokor** PE-HD corrugated pipes that possess a SN8 loading capacity, hence they can be used even on the most demanding roadways and in places where the pipes are exposed to large loads. Perforations on pipes allow the water enter into the pipe, which are diverted to a sewage system or absorption drain, therefor, dry out the ground and reduce its impact on the structure.

Pipes are produced in the following dimensions:  
**DN/OD 200, 250, 315, 400, 500, 630**





# Quality control laboratory





## Dispatch of goods







**Thank you for your attention.**

FOR MORE INFORMATION ABOUT OUR PRODUCTS VISIT OUR WEBSITE

***[www.vargon.hr](http://www.vargon.hr)***

