



# DŽONI PLAST

by EUROTERM



## PRODUCT CATALOG



📍 Industrial Zone 2/034, 76300 Bijeljina, RS - BIH

The company Džoniplast was founded with a clear vision – to offer high-quality products made of high-density polyethylene (HDPE) and polypropylene (PP) to both domestic and international markets, using modern technologies. Our production is based on the process of spiral extrusion winding combined with extrusion welding of plastic materials, which ensures the durability, strength, and reliability of our products.

The very idea and technological foundation were initiated by the company Euroterm d.o.o., which expanded its long-standing experience in processing and manufacturing plastic components through a strategic partnership with Džoniplast and its new, innovative product line. This collaboration brought together tradition, expertise, and innovation, resulting in the development of a modern and attractive production program.



## Our Product Line

**Džoniplast offers a wide range of products made from high-quality materials, designed for various industrial, municipal, and technical applications. Our product range includes:**

### **Spirally-Wound Plastic Pipes**

Sewer, ventilation, and pipes for transporting hazardous and aggressive substances – manufactured using spiral winding technology, suitable for high resistance requirements.

### **Plastic Manholes**

For pressurized sewage systems, flow regulation, water meter chambers, and valve manholes – fully tailored to the specific requirements of each system.

### **Plastic Tanks and Vats**

Above-ground, underground, and transport tanks (cisterns), as well as plastic septic tanks – available in various volumes and shapes.

### **Wastewater Treatment and Purification Devices**

Separators for mineral oils, petroleum derivatives, and kitchen grease – efficient solutions for protecting the environment and wastewater systems.

### **Process Equipment Components**

Custom-designed for industrial plants and specialized facilities.

### **Plastic Containers of Special Shapes and Purposes**

Elliptical tanks, pontoons, boats, floating elements, and other technical products manufactured according to customer-specific designs.

**At Džoniplast, we create reliable, enduring solutions – made to meet the demands of today and the challenges of tomorrow.**

# SPIRALLY-WOUND PIPES

Our spiral pipes are manufactured using a spiral winding process with high-quality polyethylene, enabling the production of lightweight yet robust large-diameter pipes. Thanks to the modular wall structure, each pipe can be tailored to meet specific project requirements.

Polyethylene offers excellent chemical resistance and durability with minimal maintenance. The spiral construction ensures a long service life and reliability under demanding conditions. We produce pipes with internal diameters ranging from Ø300 mm to Ø3000 mm, in lengths of 4.0 meters.



## Spiral-Wound Pipe Applications

Spiral HDPE/PP pipes are widely used in infrastructure systems where reliability, long service life, and easy installation are key requirements. Thanks to their structural design and resistance properties, they are ideal for underground installation in various soil conditions and load capacities.

The most common application areas include:

### Gravity Sewer Systems

For sanitary, stormwater, and combined flows; non-pressurized, utilizing natural slope.

### Surface Water Drainage

Drainage systems for roads, bridges, tunnels, industrial zones, and urban areas.

### Industrial Drainage Systems

For aggressive wastewater requiring chemical resistance and secure joints.

### Tunnel and Underground Infrastructure

Ventilation, cable protection, and drainage of condensation and infiltration water.

Thanks to the possibility of on-site welding, the installation of spiral pipes is fast and efficient, with minimal need for additional equipment or machinery. Their flexibility also allows route adaptation without the need for special fittings.

## ▼ PROFILE APPEARANCE AND MARKING

			
DŽ. P. 4Ω-30/A120	DŽ. P. 5C-30/A110	DŽ. P. 5D-50/A250	
DŽ. P. 5Ω-30/A120	DŽ. P. 5C-30/A80	DŽ. P. 5D-50/A200	
DŽ. P. 5Ω-30/A90	DŽ. P. 5C-50/A150	DŽ. P. 5D-50/A150	
DŽ. P. 4Ω-50/A120	DŽ. P. 5C-50/A120	DŽ. P. 5D-50/A120	
DŽ. P. 5Ω-50/A120	DŽ. P. 5C-50/A90	DŽ. P. 5D-50/A90	
DŽ. P. 5Ω-50/A90	DŽ. P. 8C-50/A90	DŽ. P. 7D-50/A90	
	DŽ. P. 10C-50/A90		
			
DŽ. P. 5R-305	DŽ. P. 5D-305	DŽ. P. 5T-50/A250	DŽ. P. 4T-504
DŽ. P. 4R-504	DŽ. P. 4D-504	DŽ. P. 5T-50/A200	DŽ. P. 5T-505
DŽ. P. 5R-505	DŽ. P. 5D-505	DŽ. P. 5T-50/A150	DŽ. P. 6T-506
DŽ. P. 7R-507	DŽ. P. 6D-506	DŽ. P. 5T-50/A120	DŽ. P. 7T-507
	DŽ. P. 7D-507	DŽ. P. 5T-50/A90	

## ▼ STIFFNESS CLASS-

Internal Pipe Diameter D (mm)	SN1	SN2	SN4	SN8	SN16
	Profile	Profile	Profile	Profile	Profile
<b>300</b>	DŽ. P. 4Ω-30/A120	DŽ. P. 4Ω-30/A120	DŽ. P. 4Ω-30/A120	DŽ. P. 4Ω-30/A120	DŽ. P. 5Ω-30/A120
<b>400</b>	DŽ. P. 4Ω-30/A120	DŽ. P. 4Ω-30/A120	DŽ. P. 4Ω-30/A120	DŽ. P. 5Ω-30/A120	DŽ. P. 5Ω-30/A80
<b>500</b>	DŽ. P. 4Ω-30/A120	DŽ. P. 4Ω-30/A120	DŽ. P. 4Ω-30/A120	DŽ. P. 5Ω-30/A110	DŽ. P. 5Ω-50/A120
<b>600</b>	DŽ. P. 4Ω-30/A120	DŽ. P. 4Ω-30/A120	DŽ. P. 4Ω-50/A120	DŽ. P. 5Ω-50/A120	DŽ. P. 5Ω-50/A150
<b>800</b>	DŽ. P. 4Ω-50/A120	DŽ. P. 4Ω-50/A120	DŽ. P. 5Ω-50/A120	DŽ. P. 5Ω-50/A120	DŽ. P. 4R-504
<b>900</b>	DŽ. P. 4Ω-50/A120	DŽ. P. 5Ω-50/A120	DŽ. P. 5Ω-50/A150	DŽ. P. 8C-50/A90	DŽ. P. 7R-507
<b>1000</b>	DŽ. P. 4Ω-50/A120	DŽ. P. 5Ω-50/A120	DŽ. P. 5Ω-50/A120	DŽ. P. 4R-504	DŽ. P. 5Ω-50/A250
<b>1200</b>	DŽ. P. 5Ω-50/A120	DŽ. P. 5Ω-50/A150	DŽ. P. 10C-50/A90	DŽ. P. 7R-507	DŽ. P. 5Ω-50/A90
<b>1300</b>	DŽ. P. 5Ω-50/A120	DŽ. P. 5Ω-50/A120	DŽ. P. 4R-504	DŽ. P. 5D-50/A250	DŽ. P. 4D-504
<b>1600</b>	DŽ. P. 5Ω-50/A120	DŽ. P. 4R-504	DŽ. P. 5D-50/A250	DŽ. P. 7D-50/A90	DŽ. P. 5T-50/A200
<b>2000</b>	DŽ. P. 4R-504	DŽ. P. 5D-50/A250	DŽ. P. 5D-50/A90	DŽ. P. 5T-50/A200	DŽ. P. 7T-507
<b>3000</b>	DŽ. P. 5D-50/A250	DŽ. P. 6D-506	DŽ. P. 4T-504		

# PLASTIC MANHOLES

Our product range includes various types of sewer manholes and accompanying systems, tailored to meet the needs of your infrastructure projects. All manholes are made from high-quality materials, ensuring long service life, reliability, and easy installation.

Thanks to their flexibility, durability, and longevity, HDPE-PP manholes are ideally suited for modern infrastructure systems, providing long-term solutions with minimal maintenance costs.

These manholes are lightweight yet extremely robust, enabling easy transport and quick installation. In addition, their design allows for easy maintenance and access to underground systems, while offering a high level of protection against external influences.

## Our Selection of Sewer Manholes

Sewer Manholes

Flood Protection Manholes

Industrial Drainage Manholes

Pumping (or Lift) Manholes

Pressure Relief Manholes

Water Meter Manholes



# PLASTIC TANKS

## A RELIABLE STORAGE SOLUTION

Our plastic tanks offer a modern solution for storing various liquids – from potable water and food-grade materials to chemicals and wastewater. Thanks to high-quality materials and precise manufacturing, we ensure durability, safety, and easy maintenance.

**Available in volumes up to 200,000 liters and nominal diameters up to Ø3000 mm.**

### TYPES OF TANKS WE MANUFACTURE

- A. Vertical Open-Top Tanks (Vats)**
- B. Vertical Closed Above-Ground Tanks**
- C. Horizontal Plastic Tanks**
- D. Thermally Insulated Plastic Tanks**
- E. Double-Wall Plastic Tanks**
- F. Vertical Underground Plastic Tanks**
- G. Elliptical Plastic Tanks**



In Addition to Standard Tanks, We Also Manufacture Custom Products Based on Client Requirements:

#### **Custom-Made Tanks, Vats, and Tank Vessels**

Shape, volume, and connection positions tailored to user specifications.

#### **Plastic Pontoons**

Modular elements for pontoon platforms, rafts, and docks.

#### **Grease and Oil Separators Grease and Oil Separators**

Wastewater treatment systems for kitchens, car washes, and industrial facilities.

#### **Technical and Chemical Vats**

For immersion, washing, and storage of various substances.

#### **Ventilation Pipes and Components**

Lightweight and resistant elements for air, gas, and steam flow – suitable for indoor and outdoor use.

#### **Covers, Flanges, and Fittings**

Additional equipment made to meet specific project needs.



**TYPE**  
**A**

# VERTICAL OPEN-TOP TANKS – VATS

Traditional vats are tanks primarily intended for fruit fermentation (in the production of wine, brandy, vinegar, etc.), and are also widely used for various industrial and commercial purposes. They are made of polyethylene and typically feature a simple design. Vats are used for storing liquids or other materials that do not require a high level of protection from external environmental factors.

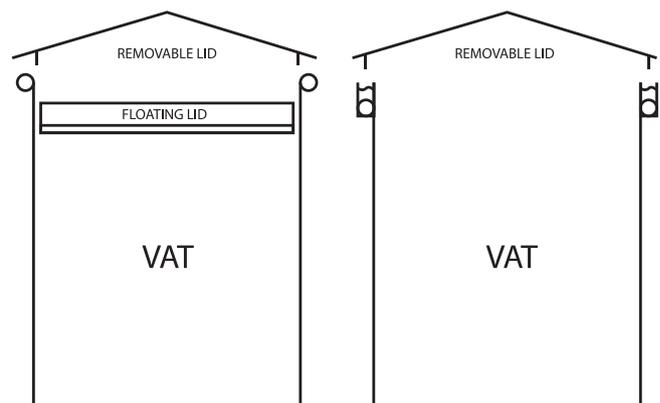
Our product range also includes **vats with a water seal**. These are a specialized type of tank that use water barrier technology to achieve hermetic sealing.

Such vats provide an additional layer of protection, preventing the leakage of liquids or gases, thereby enhancing safety and efficiency across various applications.



## ▼ DIMENSIONS AND VOLUMES

Capacity (L)	Diameter D (mm)	Height H (mm)
250	600	900
500	800	1.000
700	900	1.100
1.000	1.000	1.270
1.500	1.200	1.330
2.000	1.300	1.510
3.000	1.600	1.500
4.000	1.600	2.000
5.000	2.000	1.600
6.000	2.000	1.910
7.000	2.000	2.230
8.000	2.000	2.550
9.000	2.000	2.870
10.000	2.000	3.200
	2.400	2.210
15.000	2.400	3.320
	3.000	2.130



**TYPE  
B**

# VERTICAL PLASTIC ABOVE-GROUND TANKS

**A vertical above-ground tank** is a specialized tank installed on the ground surface, used for storing various liquids such as water, chemicals, fuels, and other industrial materials.

Its design allows for efficient space usage due to its vertical orientation, which gives it a small footprint while offering large capacity. These tanks are not intended for underground installation.

**Applications:**

Water storage for water supply systems

Storage of fuels, oils, and other industrial liquids

Chemical industry (for chemical storage)

Agriculture (for irrigation water or fertilizers)



**DIMENSIONS AND VOLUMES**

Capacity (liters)	Diameter D (mm)	Height H (mm)
250	600	900
500	800	1.000
700	900	1.100
1.000	1.000	1.270
1.500	1.200	1.330
2.000	1.300	1.510
2.500	1.300	1.885
3.000	1.300	2.260
	1.600	1.500
3.500	1.600	1.750
4.000	1.600	2.000
5.000	2.000	1.600
6.000	2.000	1.910
7.000	2.000	2.230
8.000	2.000	2.550
9.000	2.000	2.870

Capacity (liters)	Diameter D (mm)	Height H (mm)
10.000	2.000	3.200
	2.400	2.210
	3.000	1.430
15.000	2.400	3.320
	3.000	2.130
20.000	2.400	4.420
	3.000	2.860
25.000	2.400	5.525
	3.000	3.530
30.000	3.000	4.250
40.000	3.000	5.670
50.000	3.000	7.100



**Base:** Reinforced base, either conical or flat, depending on the tank type.

# HORIZONTAL PLASTIC TANKS

Manufactured in volumes up to 200,000 liters, available in two variants:

- Above-Ground Horizontal Tank on Supports
- Underground Horizontal Tank

## Above-Ground Horizontal Tank on Supports

This tank is designed to be installed on legs (supports), elevating it above the ground. This enables better ventilation, easier maintenance access, and reduces the risk of moisture contact from the soil, which is essential for preserving the tank's longevity.



Advantages of this tank type include:

- Easy maintenance
- Increased durability
- Flexibility
- Accessibility

## Underground Horizontal Tank

Specially designed to be installed below ground, usually with a protective layer or external reinforcement that shields it from external pressure, groundwater, and other environmental factors. These tanks feature stable walls and a reinforced base to withstand soil pressure and external loads.



Advantages of this tank type include:

- Aesthetic acceptability
- Protection from external influences
- Safety

## ▼ DIMENSIONS AND VOLUMES

Capacity (liters)	Diameter D (mm)	Length L (mm)
500	800	1.000
1.000	1.000	1.270
1.500	1.000	1.900
2.000	1.200	1.780
2.500	1.200	2.200
3.000	1.200	2.650
4.000	1.200	3.540
5.000	1.200	4.420
	1.300	3.770
6.000	1.300	4.520
7.000	1.300	5.270
8.000	1.600	3.980
9.000	1.600	4.500
10.000	1.600	4.980
12.000	1.600	5.970
15.000	2.000	4.800
20.000	2.000	6.370
25.000	2.000	7.960
	2.400	5.530
30.000	2.400	4.250
40.000	2.400	8.850
	3.000	5.660
50.000	2.400	11.060
	3.000	7.070
80.000	3.000	11.300
100.000	3.000	14.150
150.000	3.000	21.200
200.000	3.000	28.300

TYPE  
**D**

# THERMALLY INSULATED PLASTIC TANKS

Thermally insulated plastic tanks are intended for storing liquids that require protection from temperature fluctuations.

They are made from high-density polyethylene (HDPE) or polypropylene (PP) with an additional layer of thermal insulation, most commonly in the form of polyurethane foam (PUR) or mineral wool, encased in a protective outer shell.

These tanks are used in the food, chemical, and construction industries, as well as for water storage in outdoor conditions during both winter and summer.

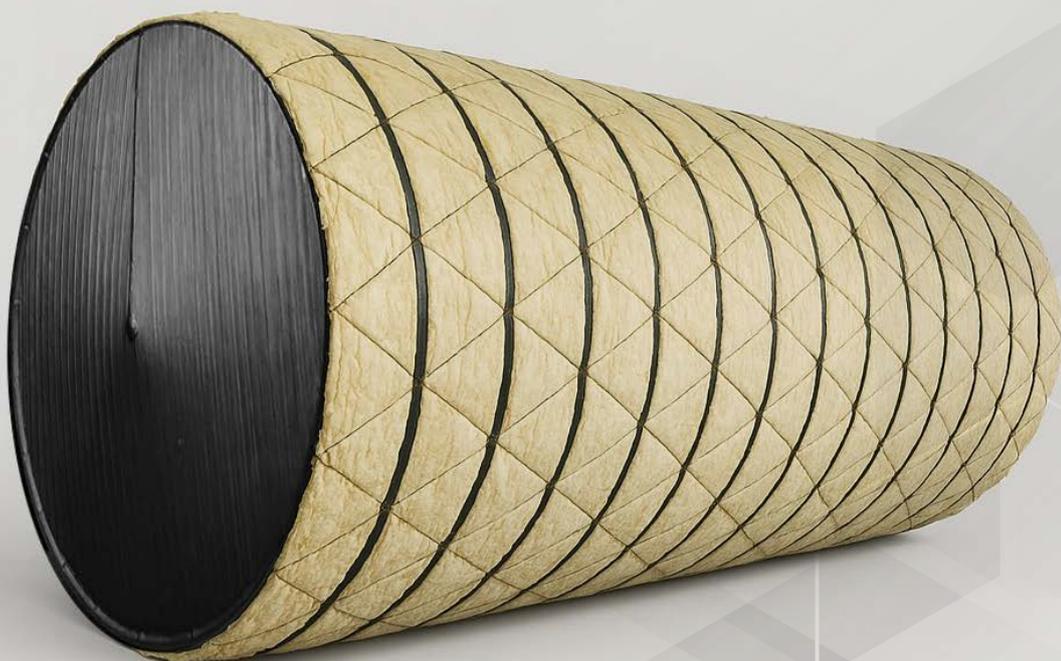
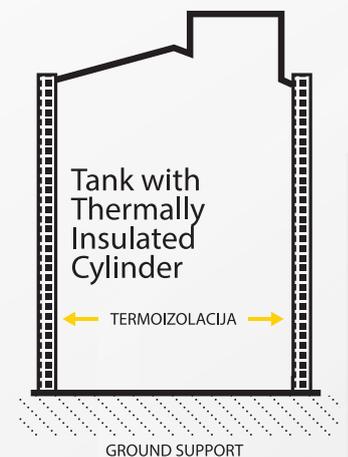
## Advantages:

Maintaining constant liquid temperature

Prevention of freezing or overheating

Reduced energy loss in heating/cooling processes

Extended shelf life of stored liquids (e.g., in the food industry)



TYPE  
**E**

# DOUBLE-WALL TANKS



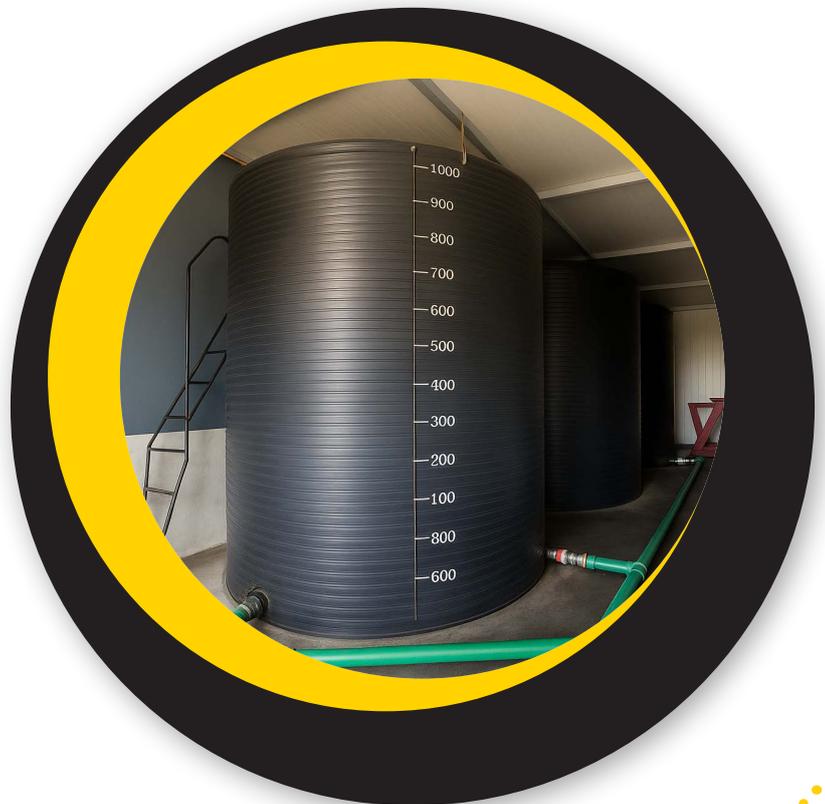
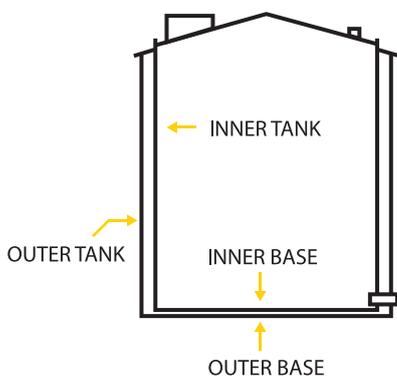
**Plastic double-wall tanks** are specialized products used for storing liquids, fuels, chemicals, and other materials, providing additional safety and protection. Some of the key features and advantages of these tanks include:

**Double-wall structure**

**Leak protection**

**Corrosion resistance**

**Environmental friendliness**



These tanks offer many advantages in terms of safety, thermal protection, and leak prevention, as well as environmental and economic benefits. They are ideal for industries and applications that require safe liquid storage with minimal risk of contamination or leakage.

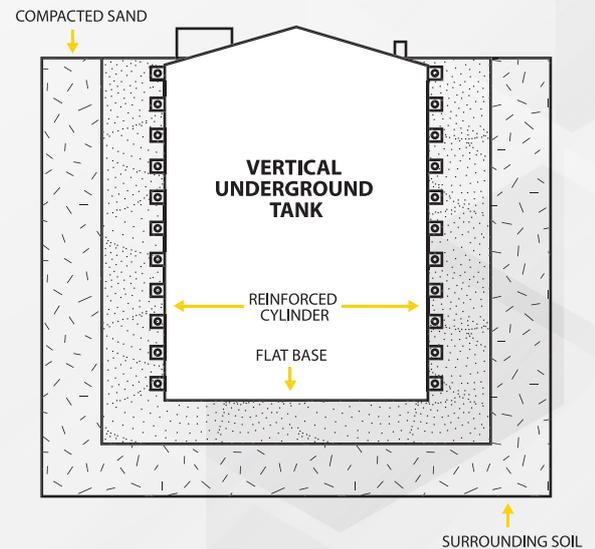
**TYPE**  
**F**

# VERTICAL UNDERGROUND TANKS

Vertical underground tanks are an efficient and secure way to store liquids underground, especially in areas with limited space or where protection from external environmental factors is required.

Made with appropriate materials, equipped with safety features, and maintained properly, these tanks provide long-term and reliable solutions for a wide range of industrial and commercial needs.

Vertical underground tanks represent the most cost-effective option for liquid storage – not only in terms of initial investment but also when considering long-term maintenance costs.



TYPE  
**G**

# ELLIPTICAL TANKS

Elliptical tanks are a special type of tank with an **elliptical (oval) cross-section**, which offers certain advantages compared to standard cylindrical or rectangular tanks. They feature an elliptical shape that allows for easier installation in tight spaces, along with improved pressure distribution and stability.

Elliptical tanks often have **lower height and a wider diameter**, making them ideal for installation in areas with limited vertical space.



Volume (liters)	500	1.000	1.500		2.000		
Usable Width B (mm)	650	650	650	770	770	900	900
Usable Length L (mm)	1.190	1.520	1.520	1.605	1.605	2.040	2.640
Usable Height H (mm)	780	1.190	1.800	1.420	1.880	1.290	950
Maximum Width Bmax (mm)	680	680	680	800	800	930	930
Maximum Length Lmax (mm)	1.220	1.545	1.545	1.650	1.650	2.040	2.700
Maximum Height Hmax (mm)	900	1.320	1.930	1.550	2.000	1.400	1.080

# TANKS AND CONTAINERS OF SPECIAL SHAPES AND PURPOSES

In addition to standard tanks, we offer the possibility of manufacturing tanks and containers with special shapes and purposes, as well as custom-made products based on customer requirements, such as:

**Plastic ventilation pipes and components**

**Plastic pontoons (pontoon pipes, floating elements, and plastic boats)**

**Tank vessels, vats, and plastic containers (square or rectangular tanks)**

**Containers and tanks for wastewater treatment**



# TANKS AND CONTAINERS FOR WASTEWATER TREATMENT



Wastewater treatment tanks are specialized devices used for collecting, storing, and treating wastewater before it is discharged into the environment or reused. These tanks are essential for environmental protection, reducing pollution, and meeting regulatory compliance.

## Some of the advantages of wastewater treatment tanks and containers include:

### Environmentally Friendly Solution:

By using these tanks, wastewater is treated and prevented from contaminating the environment. This is crucial for protecting ecosystems and reducing pollution.

### Resource Savings:

Treated wastewater can be reused for irrigation, industrial processes, and even technical needs, reducing the demand for new water sources.

### Adaptability:

These systems can be customized for various types of wastewater (municipal, industrial, agricultural) and capacities – from small private facilities to large industrial plants.

## ▶ SIZES AND DIMENSIONS OF SEPARATORS WITH BYPASS

Type	Nominal Flow (l/s)	Volume (liters)	Unit Dimensions (D x L mm)	Inlet/Outlet Pipe (mm)
<b>DŽ.P. 2</b>	2	1.000	1000x1200	Ø 125
<b>DŽ.P. 5</b>	5	2.000	1000x2500	Ø 125
<b>DŽ.P. 10</b>	10	3.000	1200x2600	Ø 160
<b>DŽ.P. 50</b>	50	15.000	2000x4700	Ø 200
<b>DŽ.P. 65</b>	65	18.500	2000x6000	Ø 300
<b>DŽ.P. 80</b>	80	20.000	2000x6300	Ø 300

## ▶ SIZES AND DIMENSIONS OF SEPARATORS WITHOUT BYPASS

Type	Nominal Flow (l/s)	Volume (liters)	Unit Dimensions (D x L mm)
<b>DŽ.P. 0.5</b>	400	400	Ø110
<b>DŽ.P. 1</b>	600	600	Ø110
<b>DŽ.P. 1.5</b>	720	720	Ø110
<b>DŽ.P. 2</b>	980	980	Ø110
<b>DŽ.P. 3</b>	1.400	1.400	Ø110
<b>DŽ.P. 4</b>	2.140	2.140	Ø110
<b>DŽ.P. 5</b>	2.400	2.400	Ø125
<b>DŽ.P. 6</b>	3.100	3.100	Ø125
<b>DŽ.P. 7</b>	3.900	3.900	Ø125
<b>DŽ.P. 8</b>	4.400	4.400	Ø125
<b>DŽ.P. 10</b>	5.400	5.400	Ø125

Our product range includes devices such as: grease separators for kitchens, oil and mineral oil separators, as well as municipal water separators.



## STANDARD SIZES AND DIMENSIONS OF WASTEWATER TREATMENT UNITS – PPOV

Vertical underground  
 Vertical above-ground  
 Horizontal underground  
 Horizontal above-ground

Type	Population Equivalent	Daily Flow (L/day)	Organic Load (gBOD <sub>5</sub> /day)
<b>PPOV-10</b>	10	1500	600
<b>PPOV-20</b>	20	3000	1200
<b>PPOV-30</b>	30	4500	1800
<b>PPOV-50</b>	50	7500	3000
Type	Population Equivalent	Daily Flow (L/day)	Organic Load (gBOD <sub>5</sub> /day)
<b>PPOV-75</b>	75	11250	4500
<b>PPOV-100</b>	100	15000	6000
<b>PPOV-150</b>	150	22500	9000
<b>PPOV-200</b>	200	30000	12000
<b>PPOV-300</b>	300	45000	18000
Type	Population Equivalent	Daily Flow (L/day)	Organic Load (gBOD <sub>5</sub> /day)
<b>PPOV-750</b>	750	112500	45000
<b>PPOV-1000</b>	1000	150000	60000
<b>PPOV-1500</b>	1500	225000	90000
<b>PPOV-2000</b>	2000	300000	120000
<b>PPOV-3000</b>	3000	450000	180000

# TECHNOLOGY AND MATERIALS USED IN TANK MANUFACTURING

By using spiral extrusion winding technology in combination with extrusion welding of plastic materials, and by applying high-quality raw materials such as high-density polyethylene (HDPE) and polypropylene (PP), we are able to manufacture high-quality and durable products.

## PRODUCTION TECHNOLOGY

The tank manufacturing process begins with precise design that takes into account all specific requirements — application, size, type of wastewater or other materials to be stored in the tanks.

Key technologies include:

### Rotational (Spiral Extrusion Winding)

This technology allows the production of tanks with unique shapes and desired wall thicknesses. Winding, combined with extrusion welding, is used in the production of plastic tanks, making them resistant to high pressure and temperature variations.

### Welding and Material Joining

Welding technologies allow secure joining of large tank sections, making them strong and resistant to mechanical damage.

## MATERIALS USED IN TANK MANUFACTURING

The material from which a tank is made is crucial for its durability, resistance, and long-term maintenance. The most commonly used materials include:

### POLYETHYLENE (HDPE)

One of the most popular materials for tank production. HDPE (high-density polyethylene) is used for both above-ground and underground tanks. It is resistant to corrosion, chemicals, and UV radiation, making it highly suitable for storing water, fuel, chemicals, and other liquids. Recommended operating temperature: up to 60°C, and up to 80°C in special conditions.

### POLYPROPYLENE (PP)

A highly versatile, durable, and resistant material used in a wide range of applications. Its light weight, chemical resistance, and mechanical strength make it an ideal choice across various industries. Recommended operating temperature: up to 90°C, and up to 100°C in special conditions.

All our tanks are designed and manufactured with attention to detail, using the latest technologies and the highest-quality materials. Whether standard or custom-made equipment is required, our products provide optimal solutions for storing various types of liquids, ensuring long-term durability, reliability, and safety.





 Industrial Zone 2/034,  
76300 Bijeljina, RS - BIH

 +387 55 350 593; +387 65 600 265

 [info@dzoniplast.com](mailto:info@dzoniplast.com)



**DŽONI  
PLAST**  
by EUROTERM