



Z.P.U.  
**HYDRO - VACUUM**  
Wąbrzeźno Sp. z o.o.

[www.zpuh-v.pl](http://www.zpuh-v.pl)



**MANUFACTURER OF PRESSURE VESSELS  
AND HYDROPHORE TANKS**

Polish Quality - European Standards



## MANUFACTURER OF PRESSURE VESSELS AND HYDROPHORE TANKS

ZPU Hydro-Vacuum Wąbrzeźno Sp. z o.o. is an experienced manufacturer of high-quality hydrophore tanks (water-air systems), pressure vessels made of robust carbon steel, as well as automatic hydrophore systems and water treatment equipment such as iron removal systems (ODZ).

Our products are manufactured individually according to the highest quality and safety standards.

● UDT-CERT No. 1433, ● TÜV NORD No. 0045, 2274

## OUR STANDARD PRODUCT RANGE INCLUDES THE FOLLOWING HYDROPHORE VESSELS:

- Galvanized type HVP from 100 to 2000 l ( 6 - 10 bar )
- Diaphragm pressure vessels, vertical type ZBOS from 100 to 1000 l ( 6 - 10 bar )
- Diaphragm pressure vessels, horizontal type ZBOL from 100 to 200 l ( 6 bar )
- Water iron removal systems type ODZ - 150, 300, 500 l ( 6 bar )
- Automatic hydrophore systems type ASG.5 - 200 l

## CUSTOM MANUFACTURING ACCORDING TO CUSTOMER REQUIREMENTS

We manufacture pressure vessels to order from concept and design through technical documentation and approvals to final production. Our products hold certificates and declarations of conformity according to applicable EU directives, enabling sale and use within the European Union.

Our modern machine park includes:

- CNC machining centers
- Advanced welding automation for pressure vessels
- Presses and bending machines
- In-house production of most vessel heads
- Our own powder coating facility
- Currently, we produce approximately 150 different types of pressure



MACHINING



BENDING



PRESSING



POWDER PAINTING

## MANUFACTURING ACCORDING TO:

### Regulations:

- WUDT/UC/2003
- AD 2000 Merkblatt HPO
- EN 286-1
- EN 13445

### Directives:

- 2014/68/EU
- 2014/29/EU

### TECHNICAL PARAMETERS:

- Volume: up to 2000 l
- Operating pressure PS: up to 25 bar
- Operating temperature: -20°C to +400 °C
- Diameter range: up to 1200 mm

### SURFACE FINISHES:

- Without protective coating, black ("raw")
- Primed with liquid paint
- Powder coated
- Hot-dip galvanized
- Internally enamel coated

### QUALITY MANAGEMENT AND SAFETY:

We operate an integrated quality management system and a welding quality assurance system in accordance with:

- ISO 9001:2015
- DIN EN ISO 3834-2
- Directive 2014/68/EU
- AD 2000 Merkblatt HPO / TRD 201

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