

## NEEDLE VALVES, TYPE ZWD1

### APPLICATION AREA:

The needle valves are used in measuring systems, appliances for city heat engineering and industrial automatic systems. They enable pressure chocking, adjustment of flow intensity up to complete cutoff of the handled fluids.

### DESIGN:

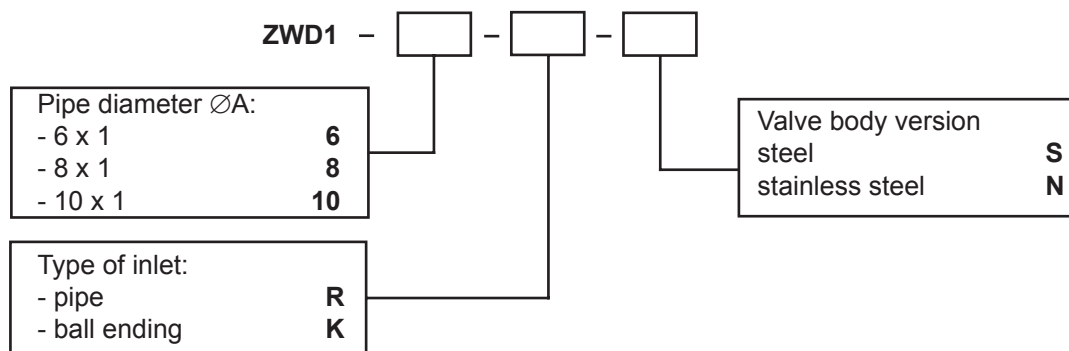
The valves are offered as either steel or corrosion resistant devices. They have the same connections, with notching rings for pipes of outer diameter  $\varnothing 6$ ,  $\varnothing 8$  or  $\varnothing 10$  and wall thickness 1 mm at both inlet and outlet, or alternatively they may be equipped with a ball ending  $\varnothing 12 \times 1.5$  at the inlet and a connection for aforementioned pipes at the outlet. The valve bonnet is welded to the valve body. In case of the steel body the body seat is surfaced with use of an stainless steel electrode, which improves the valve durability and prolongs its lifetime. The valve stem with the plug is made of stainless steel with further heat treatment (quenching). The parts that are exposed to the risk of corrosion are protected by appropriate coatings. The handwheel is made of a steel sheet and painted with epoxy, which facilitates quick operation of the valve.

### TECHNICAL PARAMETERS:

Working temperature: -10...300 [°C] - for the steel body,  
-196...400 [°C] - for the acid resistant body,  
Maximum pressure: 16 [bar] - for copper pipes  
25 [bar] - for steel and stainless steel pipes  
Throughout orifice diameter: 6 [mm]  
Weight: 0,3 [kg]



### PRODUCT CODE:

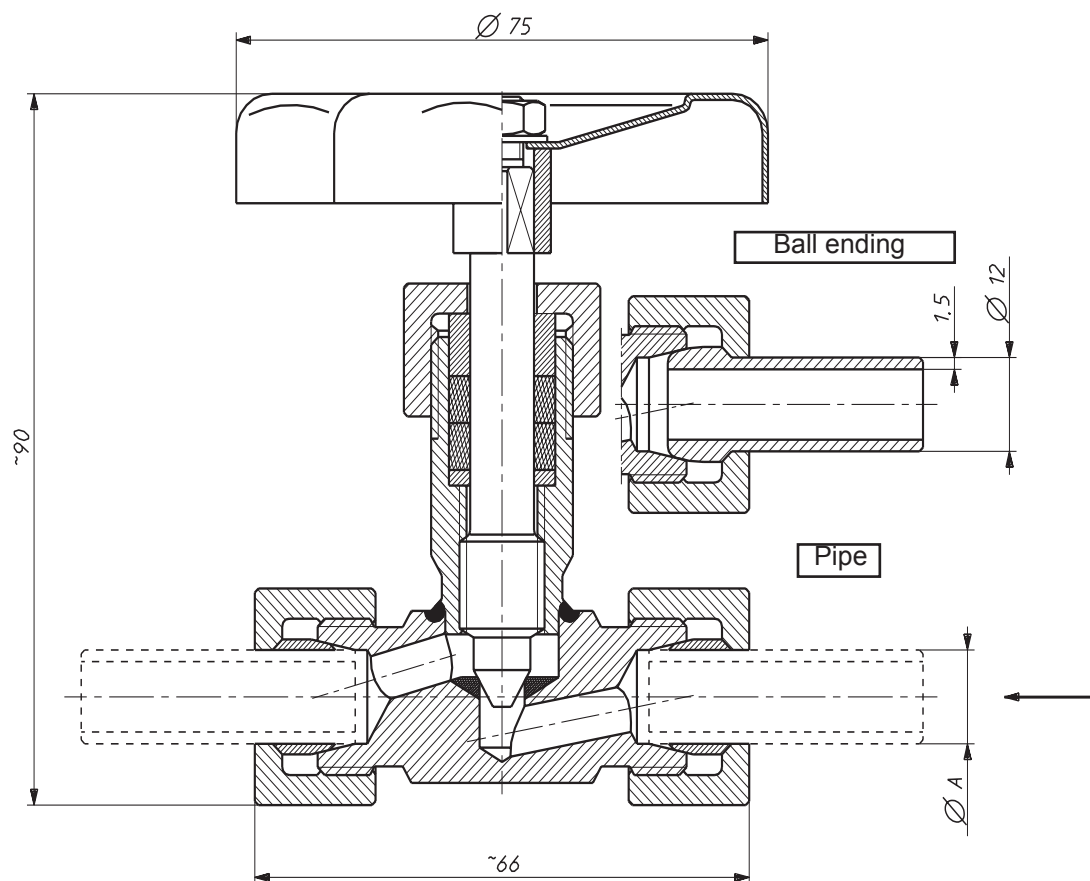


### Example of the product code:

The steel needle valve for a pipe  $\varnothing 6 \times 1$  at the outlet and the ball ending  $\varnothing 12 \times 1.5$  the inlet:

**ZWD1 - 6 - K - S**

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marketing@polna.com.pl, www.polna.com.pl



Design and dimensions of the valve

#### ORDER PLACEMENT:

Orders must contain full name of the valve and its product code, e.g. Needle valve **ZWD1 - 6 - R - N**