

# SELF DRILLING TAPPING VALVE NWZ-SN

to PE & PVC pipes



## Type : Drilling valve NWZ-SN to PE&PCV – PN 10 / 16



### Materials and construction characteristic :

**Body** – made of ductile iron GJS-500-7 acc. to PN16 and cast iron GJL-250 to PN10. Body protected against unscrewing

**Mandrel** – made of stainless steel 1.4021, multio-ring sealing

**Drill** – made of stainless steel 1.4021 with cutting edge ends to PE and PVC pipes. Special edge geometry keeps waste pipe ring material inside of the drill. Drill shape provides operational shut-off device

**Tapping saddle** – made of EN GJS-500-7 connected with the saddle by thread. Tapping saddle parts are connected by 4 screws M12 (galvanized). According to customer request, option of stainless steel A2 / A4 finishing and full inner saddle rubber coating

**Ring** – made of stainless steel 1.4301 adjusted to drill shape, guarantee open/close function of the valve

**Screws** – in class 5.8 or 8.8 galvanized. According to customer request, option of stainless steel 1.4021

**Self drilling valves NWZ-SN** are designed to make new connection under pressure on the existing pipeline made of pipes PVC-U and PEHD80, PEHD100 – single layer. We offer option of construction adjustment according to multi-layer pipes according to project specification

### Application :

- Patent industrial design
- Efficient drilling bit patent
- Manufactured according to PN-EN 1074-1 i 2:2002, PN-EN 1171:2007
- Drilling valve is composed of body that includes driving mechanism and cutting edges to PE and PVC pipes. Tapping saddle is available in diameter range DN 63 – 250 [mm] (other diameters acc. to special request)
- Saddle contains rubber gasket that guarantees leakproofness
- Valves are available with threaded female outlet connection – DN32 - 5/4" ; DN40 - 6/4" ; DN50 - 2"
- Female thread acc. to DIN ISO 228-1
- Connection to existing pipeline is made under pressure without necessity of water closing
- In installations: for water, potable water and other neutral fluids at max. 60 ° C
- Suitable for direct underground installation
- Full inner and outer heavy anti-corrosion epoxy paint with min. level of 250µm in RAL5015 according to EN ISO 12944-5:2009 and DIN 30677-2, resistance for electrical breakdown 3kV
- Quality and repeatability according to EN ISO 9001:2008
- Hygienic certificate by National Health Institute – "PZH"
- CE certificate TUV-SUED



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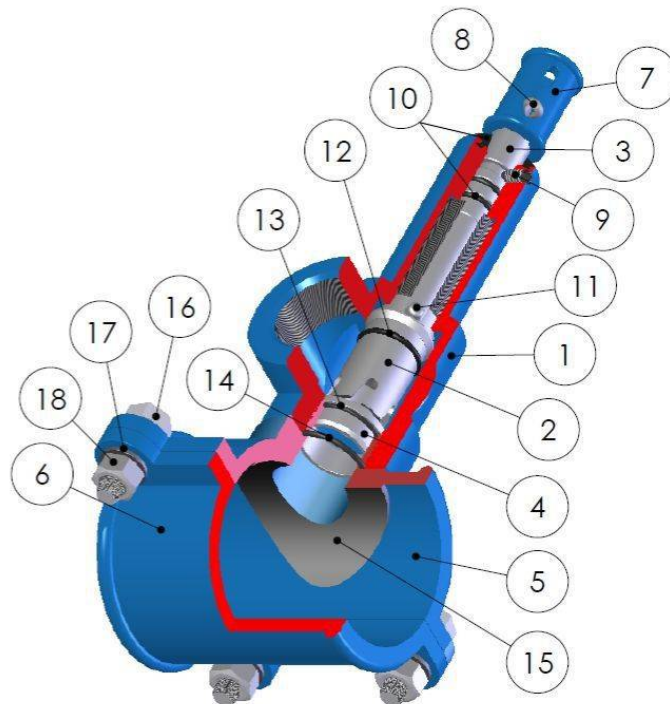
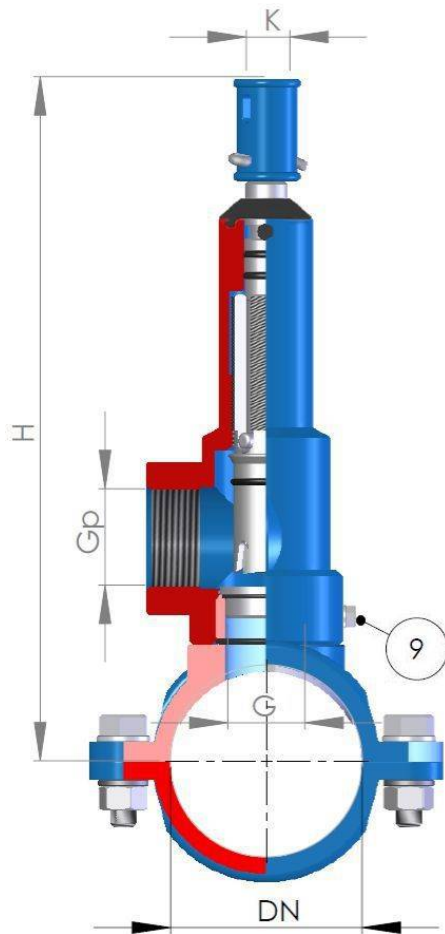
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NARODOWA STRATEGIA SPÓJNOŚCI

EFRR – WRPO 2007- 2013

# SELF DRILLING TAPPING VALVE NWZ-SN

to PE & PVC pipes



- 1. Body
- 2. Stainless steel drill
- 3. Mandrel
- 4. Ring
- 5. Saddle
- 6. Saddle

- 7. Knob
- 8. Cotter pin
- 9. Blocking pin
- 10. O-ring or shaped-o-ring
- 11. Blocking pin
- 12. O-ring

- 13. O-ring
- 14. O-ring
- 15. Saddle gasket
- 16. Screw
- 17. Pad
- 18. Nut

## Technical specification :

DN	H	K	G	Gp	Catalogue no.	Weight	Versions
	[mm]		[ mm ]	[ " / mm ]		[kg]	
63	320	14	32 42	5/4 / 32 6/4 / 40 2" / 50	5000	6,8	PN10/16
75	320	14			5000	6,5	PN10/16
90	320	14			5000	7,0	PN10/16
110	320	14			5000	7,5	PN10/16
125	320	14			5000	7,6	PN10/16
140	320	14			5000	7,9	PN10/16
160	320	14			5000	8,5	PN10/16
200	320	14			5000	8,7	PN10/16
225	320	14			5000	10,5	PN10/16
250	320	14			5000	11,5	PN10/16

Reflecting continuous progress of product development we reserve right for further construction changes or to produce product accordance to customer request.



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