

ABOVE GROUND HYDRANT DN100 PN10 type A

3000

Purpose

Firefighting and drawing water for municipal purposes.
Max. temp. 40° C

Authorisation

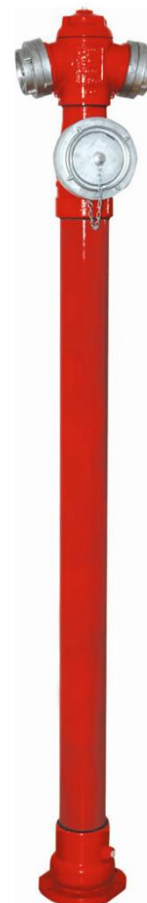
- National Institute of Public Health PZH
- Scientific and Research Centre for Fire Protection
- Certificate of approval
- CE Certificate

Technical data

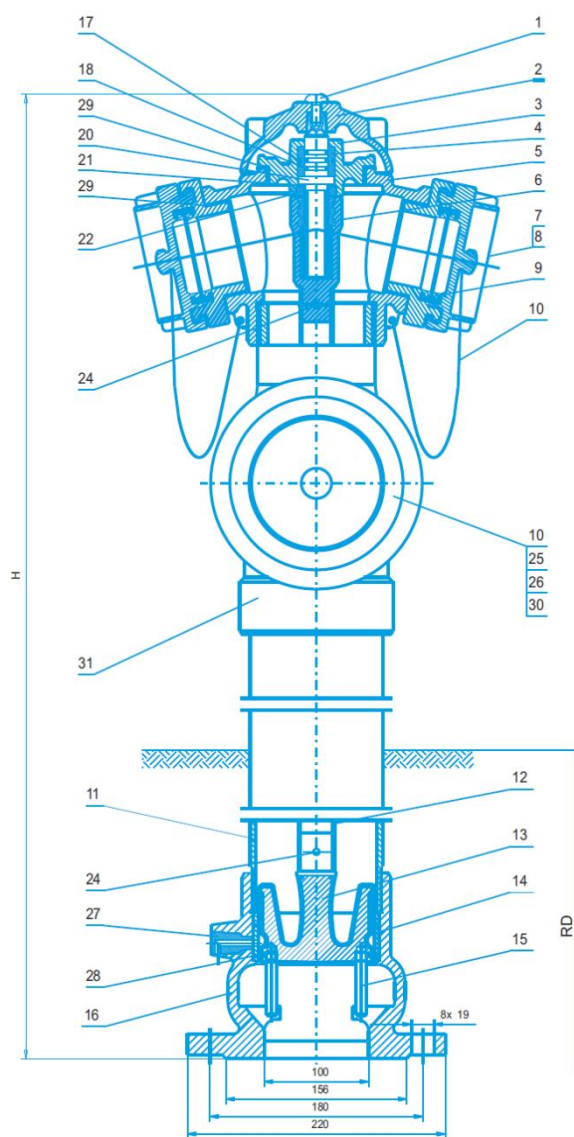
- Performance requirements and verification tests according to PN-EN 14384 and PN-EN 1074-6
- Flange connection according to PN-EN 1092-2
- Maximum closing torque: MOT 125 Nm
- Working pressure: PN10
- Kv coefficient min. 160
- Number of turns until the beginning of the opening: 3
- Number of turns for full opening: 9
- Nominal hydrant capacity 15 dm³/s at a pressure of 0.2 MPa in accordance with PN-B 02863

Design features

- Upper body, front outlet base and valve chamber made of grey cast iron, grade EN-GJL250 or ductile cast iron, grade EN-GJS 5007, column according to the table, stem made of stainless steel.
- Hydrant piston vulcanized with EPDM rubber of 70° Sh. hardness.
- Brass stem nut with trapezoidal thread, cast in cast iron housing.
- Spindle (stem) made of stainless steel with cold-rolled thread.
- Aluminium outlets.
- Hydrant cap covers made of aluminium alloy or cast iron.
- Closing of the hydrant is executed by a piston cooperating with a guide sleeve made of stainless material (plastic or brass).
- Self-draining follows at the moment of complete closure of the hydrant.
- Possibility of trenchless replacement of internal elements ("drive").
- Full anticorrosive protection inside and outside with epoxy powder paint with coating thickness min. 250µm, resistant to flashover 3 kV and UV radiation.



No.	Part	Materials
1.	Knob screw	Galvanized steel, stainless steel
2.	Hydrant knob	Gray cast iron EN-GJL 250
3.	Upper head plug	Gray cast iron EN-GJL 250 Ductile iron EN-GJS 500-7
4.	Choke bushing	Polyamide PA6 or brass
5.	Upper body	Gray cast iron EN-GJL 250 Ductile iron EN-GJS 500-7
6.	Nut housing Nut	Ductile iron EN-GJS 500-7 Brass
7.	Type B outlet (75)	AK11 aluminium
8.	Outlet cover type B	Gray cast iron EN-GJL 250 Ductile iron EN-GJS 500-7 AK11 aluminium
9.	Cover gasket	EPDM rubber
10.	Cord	Steel
11.	Column Ø 114,3x4	235 steel 235 steel, hot-dip galvanized Stainless steel
12.	Stem pipe	Galvanized or stainless steel
13.	Rubber covered hydrant piston	Ductile iron EN-GJS 500-7 /EPDM rubber
14.	Guide sleeve	Polyamide PA6 or brass
15.	Piston guide rod	Stainless steel 1.4021
16.	Valve chamber	Gray cast iron EN-GJL 250 Ductile iron EN-GJS 500-7
17.	O-ring	EPDM rubber
18.	O-ring	EPDM rubber
19.	Aeration valve	EPDM rubber
20.	Stem	Stainless steel 1.4021
21.	Washer	Polyamide PA6
22.	Screw plug	Polyamide PA6
23.		
24.	Spring pin	Galvanized or stainless steel
25.	Type A outlet	AK11 aluminium
26.	Type A outlet cover	AK11 aluminium
27.	Dehydrator	Polyamide PA6
28.	O-ring	EPDM rubber
29.	O-ring	EPDM rubber
30.	O-ring	EPDM rubber
31.	Front outlet base	Gray cast iron EN-GJL 250 Ductile iron EN-GJS 500-7



DN	H	Rd	Weight (kg)	Cat. No. 1 and 4	Cat. No. 1 and 5	Cat. No. 2 and 4	Cat. No. 2 and 5	Cat. No. 3 and 4	Cat. No. 3 and 5
100	1900	1250	48	3050	3052	3051	3053	3066	3067
100	2150	1500	51	3055	3057	3056	3058	3065	3063
100	2450	1800	54	3060	3062	3061	3064	3068	3069

Column:

1. Steel pipe
2. Galvanized steel pipe
3. Stainless steel pipe

Valve chamber, upper body, front outlet base :

4. Grey cast iron EN-GJL 250
5. Ductile iron EN-GJS 500-7