ABOVE GROUND HYDRANT DN80 PN10 type A 3000-16

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

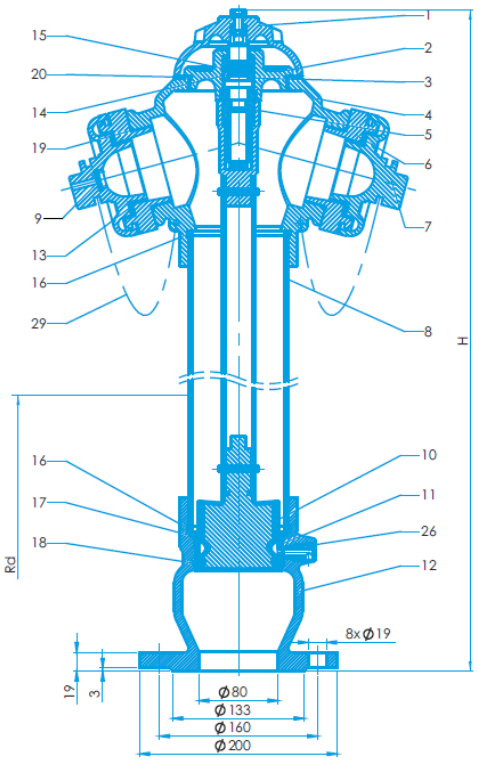
Technical data

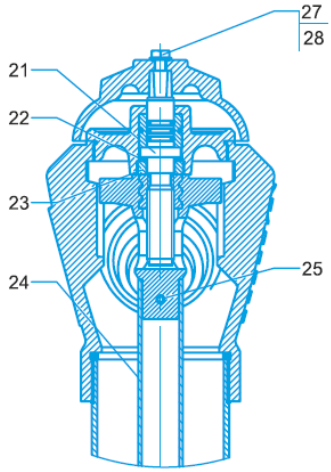
- Performance requirements and verification tests according to PN-EN 14384 and PN-EN 1074-6
- Flange connection according to PN-EN 1092-2
- Maximum closing torque: MOT 105 Nm
- Working pressure: PN16
- Kv coefficient min. 140
- Number of turns until the beginning of the opening: 3
- Number of turns for full opening: 10
- Nominal hydrant capacity 10 dm^3/s at a pressure of 0.2 MPa in accordance with PN-B 02863

Design features

- Body and valve chamber made of ductile iron, grade EN-GJS 500-7, column according to the table, stem made of stainless steel.
- GJS-500-7 ductile iron hydrant piston vulcanized with EPDM rubber of 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 brass guide sleeve
- 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.	Hydrant knob	Gray cast iron EN-GJL 250 Ductile iron EN-GJS 500-7
2.	Upper head plug	Ductile iron EN-GJS 500-7
3.	Choke bushing	Brass
4.	Upper body	Ductile iron EN-GJS 500-7
5.	Nut housing Nut	Ductile iron EN-GJS 500-7 Brass
6.	Outlet	AK11 aluminium
7.	Outlet cover	Gray cast iron EN-GJL 250 Ductile iron EN-GJS 500-7
8.	Column Ø 101,6 x 4,0 x L	235 steel 235 steel, hot-dip galvanized Stainless steel Ductile iron EN-GJS 420-10
9.	Aeration valve	EPDM rubber
10.	Cord	Steel
11.	Guide sleeve	Brass
12.	Valve chamber	Ductile iron EN-GJS 420-10
13.	Cover gasket	EPDM rubber
14.	O-ring 15x3	EPDM rubber
15.	O-ring 26x3	EPDM rubber
16.	O-ring Ø 100x87x5 O-ring Ø 104x93x5	EPDM rubber EPDM rubber
17.	O-ring 85x2,5	EPDM rubber
18.	O-ring 86x3,5	EPDM rubber
19.	O-ring 78x3,5	EPDM rubber
20.	O-ring 94x3	EPDM rubber
21.	Pin	Stainless steel 1.4021
22.	Washer	Polyamide PA6
23.	Plug	Polyamide PA6, Brass
24.	Stem pipe 1" x 2.6 x L	Galvanized steel, stainless steel
25.	Spring pin Ø 6 x 40	Galvanized steel, stainless steel
26.	Dehydrator	Polyamide PA6
27.	Compression head screw M8x16-8.8	Galvanized or stainless steel
28.	Washer 8.4	Galvanized or stainless steel
29.	Cable or chain	Galvanized or stainless steel





DN	H	Rd	Weight (kg) Column 1,2,3	Weight (kg) Column 4	Cat. No. 1 and 5	Cat. No. 2 and 5	Cat. No. 3 and 5	Cat. No. 4 and 5
80	1900	1250	38,5	46	3006-16	3021-16	3033-16	3040-16
80	2150	1500	41	49,5	3011-16	3026-16	3036-16	3042-16
80	2450	1800	44	53,8	3016-16	3031-16	3038-16	3046-16

Column:
1. steel pipe
2. galvanized steel pipe
3. stainless steel pipe
4. ductile iron pipe EN-GJS 420-10

Valve chamber, upper body:
5. ductile iron EN-GJS 500-7