

AVK UNDERGROUND FIRE HYDRANT, PN16

29/61

The Series 29/61 is a Type 1 fire hydrant suitable for use with water and neutral liquids, to a maximum temperature of 70°C. Complies with requirements of BS 750:2006 and BS EN1074-2:2004 and EN 14339:2005, underground hydrants. Also to BS EN 1074-6 for potable (drinking) water.

Features:

- Fully maintainable.
- Ductile iron construction.
- 2½" London round thread outlet to BS 750.
- Exceeds flow requirements:
 - Kv = 92 minimum 2000l/min
 - Kv = 113 maximum 2470l/min
- Corrosion resistant construction, compliant with BS EN 1074-6 for disinfection products.
- Inlet flange drilled BS EN 1092:1997, PN10/16
- Inlet is of a proprietary type.
- Draining stopper.
- Low weight design.
- WRAS approved.

Options:

- Outlet options:
 - Stainless steel or Gunmetal to BS 750 round thread
 - Instantaneous (Morris)
 - Belfast
 - London "V" thread
 - Internal screwed Norwegian
 - Bayonet (Dublin)

Note:

It is recommended that applications in a corrosive atmosphere or sited in exposed locations use a stainless steel stem 1.4404 (316) and all exposed fasteners in A4 stainless steel.



The designs, materials and specifications shown are subject to change without notice due to our continuing programme of product development.

TESTS

Hydraulic test to BS 750
 Seat: 1.1 x PN. Body: 1.5 x PN. Operating torque test.

APPLICABLE STANDARDS

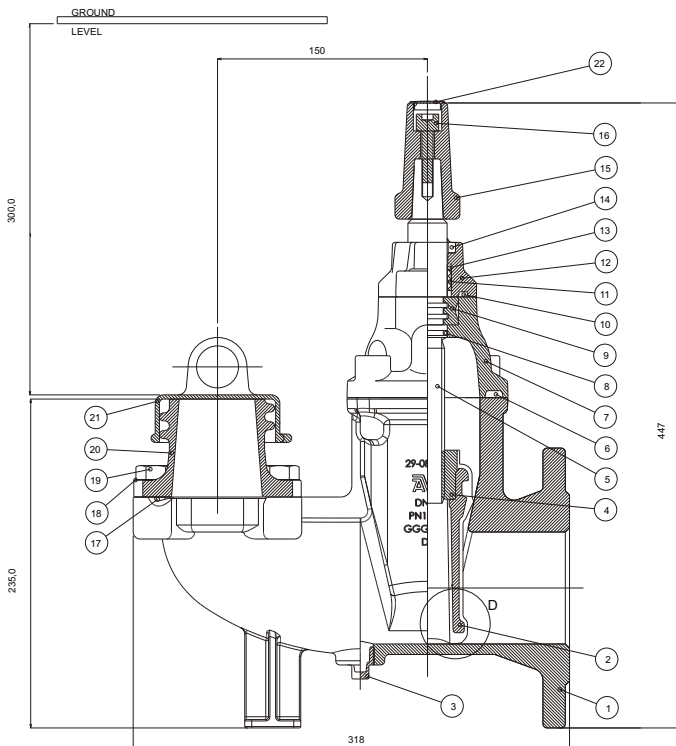
Complies with BS 750:2006 Type 1. Screwed -down type with screwed 2½" round thread outlet.
 Inlet flange universally drilled to BS EN 1092-2 PN10/16.
 Complies with Annex ZA of BS EN 14339 in respect of Construction Products Directive (CPD) 89/106/EEC.
 WRAS approved.

SERVICE CONDITIONS

Maximum Working Pressure: 16 Bar.
 Temperature Range: -10°C to +70°C.
 Insulation essential for temperatures of 0°C and below.

MATERIALS OF CONSTRUCTION

No.	DESCRIPTION	MATERIAL
1	Body	Ductile Iron, BS EN 1563 EN-GJS-500-7.
2	Wedge	Ductile Iron, BS EN 1563 EN-GJS-500-7,
		Encapsulated in EPDM
3	Drain plug	Nylon 6.6.
4	Wedge Nut (integral)	DZR brass wedge nut to BSEN12164 CW602N.
5	Stem	Stainless Steel, BS EN 10088 No.1.4021. Option for Stainless Steel 1.4404 (316)
6	Body/Bonnet Seal	EPDM WRAS approved.
7	Bonnet	Ductile Iron, BS EN 1563 EN-GJS-500-7.
8	O-Rings/Seals	NBR WRAS approved.
9	Thrust Collars	DZR brass, BS EN 12164, CW 602 N.
10,11	Gland Flange	Ductile iron, BS EN 1563
12,13	Assembly	EN-GJS-500-7 with bush nylon 6.6 and 3 'O' Rings
14		NBR WRAS approved.
15,16	Stem Cap	Ductile Iron, BS EN 1563
22	Assembly	EN-GJS-500-7. Insert PE. Cap screw A2 stainless.
17	Outlet seal	NBR WRAS approved.
18,19	All Fastenings	Hex head screws, cap screws & washers Stainless Steel grade A2. Option for Stainless Steel A4.
20	Outlet	Stainless Steel to BS EN 10088 No. 1.4021.
21	Dust Cover	Polyethylene.



DIMENSIONS & WEIGHTS

Ref No.	DN	L	H2	H3	W5	Weight
With automatic Frost Valve		mm	mm	mm	mm	Kg
29-080-61-2141X1	80	318	240	447	150	21

When ordering: x=3 for gunmetal outlet and 4 for stainless steel outlet



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