



AVK UNDERGROUND FIRE HYDRANT, SQUAT TYPE, PN 16

29/388-001

DN80

The Series 29/388 is a squat fire hydrant suitable for use with water and neutral liquids, to a maximum temperature of 70°C. Complies with requirements of BS 750 and BS EN1074-2:2000 and EN 14339:2005, underground hydrants. Also to BS EN 1074-6 for potable (drinking) water.

Product description:

Underground fire hydrant squat type for water and fire protection to max. 70° C

Standards:

- Designed according to BS750:2012, Designed according to EN 1074 part 1 & 2, Designed according to EN 14339:2005
- WIMES 8.09 Compliant

Test/Approvals:

- Max operating pressure:16 Bar
- Hydraulic test to BS 750, Seat: 1.1 x PN. Body: 1.5 x PN. Operating torque test
- Resistance to operating load - MOT - 105NM - MST - 210NM
- Kitemarked to BS750
- WRAS approved for cold water use
- Drinking Water Inspectorate Regulation 31 compliant

Features:

- Inlet flange universally drilled to EN1092-2 PN10/16 and BS10 TableD/E.
- BS 750 Type 2c. Screwed -down type with screwed 2½" round thread outlet.
- Complies with Annex ZA of BS EN 14339 in respect of Construction Products Directive (CPR)(EU) 305/2011.
- Temperature Range: -10°C to +70°C, Insulation essential for temperatures of 0°C and below.
- Fully maintainable.
- Low weight design.
- 2½" London round thread outlet to BS 750.
- Exceeds flow requirements: Kv = 92 minimum 2000l/min @1.7 bar. Actual: Kv = 96, 2092 l/min @1.7 bar.
- Auto-frost drain valve as standard
- Fixed stopper.
- Corrosion resistant construction, ductile iron coated with WRAS approved epoxy coating Blue RAL 5017, to 250 microns min. Holiday free in accordance with WIS 04-52-01, compliant with BS EN 1074-6 for disinfection products.
- 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. Product reference S.29/389.
- **Options:**
 - PN25 version, Loose stopper available, Outlet options: • Stainless steel (standard) or Gunmetal to BS 750 round thread • Instantaneous (Morris) • Belfast • London "V" thread • Internal screwed Norwegian • Bayonet (Dublin).

Accessories:

Hydrant security device - AVK Series 29/10

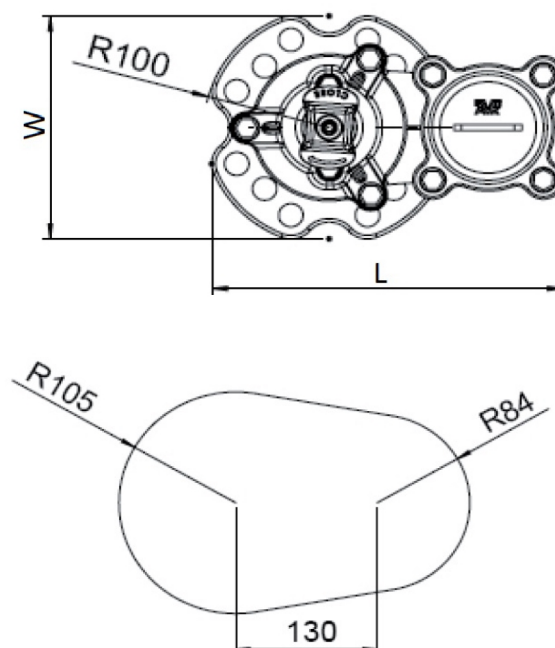
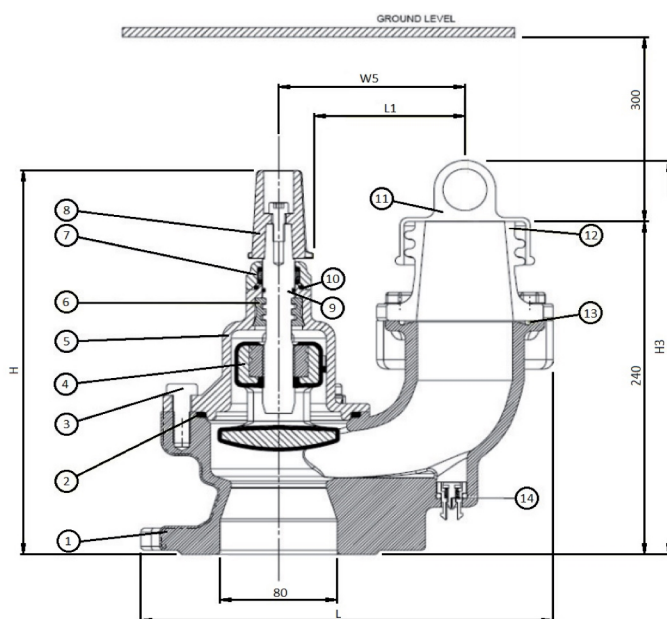


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Minimum Clear Area of Surface Box & Cover

Component list:

1. Body	Ductile iron GJS-500-7 (GGG-50)	8. Stem cap	Ductile iron GJS-500-7 (GGG-50)
2. Body-bonnet seal	NBR rubber	9. Stem	Stainless steel 1.4021
3. Fasteners	Stainless steel A2	10. Gland flange seal	NBR rubber
4. Stopper assembly	Ductile iron GJS-500-7 (GGG-50)	11. Dust cap	PE
5. Bonnet	Ductile iron GJS-500-7 (GGG-50)	12. Outlet	Stainless steel 1.4021
6. Thrust collar	Brass, DZR CW602N	13. Body-outlet seal	NBR rubber
7. Gland flange assembly	Ductile iron GJS-500-7 (GGG-50)	14. Auto-frost valve	Nylon 6.6, Body and plunger with NBR WRAS approved O-rings and stainless steel spring to DIN17224

Components may be substituted with equivalent or higher class materials without prior notification.

Reference nos. and dimensions:

AVK ref. no.	DN	H	H3	L	L1	W	W5	Theoretical weight / kg
	mm	mm	mm	mm	mm	mm	mm	
29-388-3-2112 ⁽¹⁾	80	278	284	283	102	190	127	13

(1) Dimensions are approximate and may vary due to tolerances.