FIRE HYDRANT, UNDERGROUND, SQUAT TYPE, PN16 — 29/388-001

DN80

Water Supply **Fire Protection**

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.

Use:
Underground fire hydrant squat type for water and fire protection to max. 70° C. Temperature Range: -10°C to +70°C, Insulation essential for temperatures of 0°C and below.

Standards:
- BS750, EN 1074 part 1 & 2, EN 14339:2005
- Double drilled PN10/16 and BS10 table D
- 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
- Approved according to Kitemark™ BS750 and EN 14339, certificate KM 53897
- WRAS approved for cold water use
- Drinking Water Inspectorate Regulation 31 compliant
- UKCA / CE marked according to Construction Products Directive

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. Auto-frost drain valve as standard. Fixed stopper.
- Complies with Annex ZA of BS EN 14339 in respect of Construction Products Directive (CPR)(EU) 305/2011.
- 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.
- Upgraded frost plug design with built in SS316 mesh and an improved fit reduces debris related failures and prevents plug push through, while remaining fully compatible with existing replacement procedures.
- Corrosion resistant construction, ductile iron coated with WRAS approved epoxy coating Blue RAL 5017, to 250 microns min. Internal holiday-free coating, 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



BS 750 and BS EN 14339 KITEMARK™ KM 53897 BS 750:2012 BS EN 14339:2005

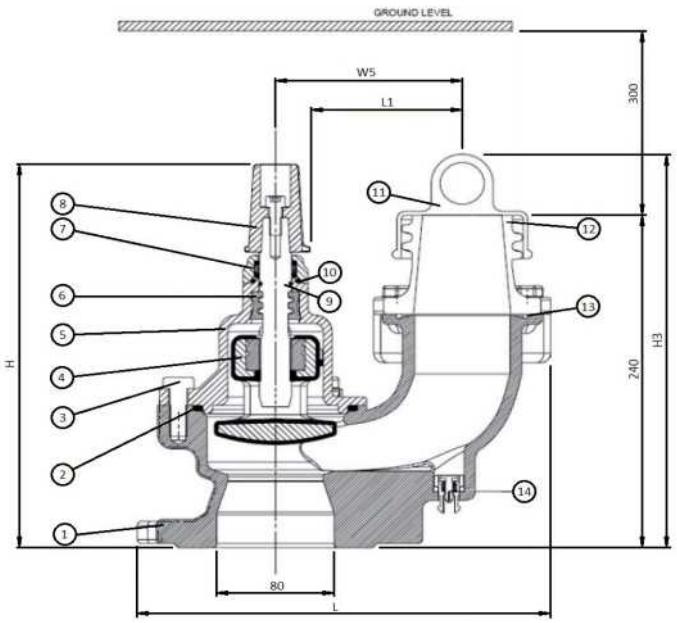
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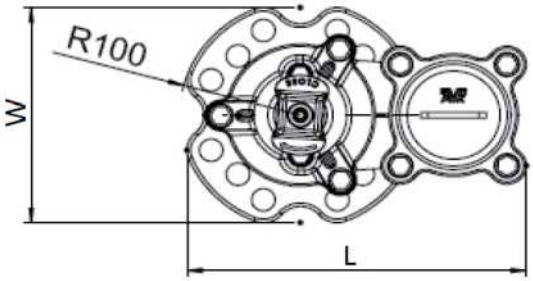
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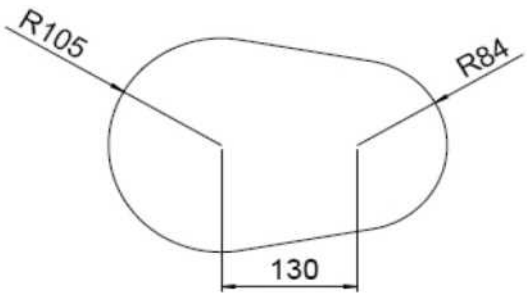
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Minimum Clear Area of Surface Box & Cover

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.	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 / Stainless steel / EPDM

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

Reference nos. and dimensions:

Reference no.	PN Class	DN mm	H mm	H3 mm	L mm	L1 mm	W mm	W5 mm	Theoretical weight/kg	EC kg
29-388-3-2112 (1)	PN16	80	278	284	283	102	190	127	13	28.6
29-388-3-211201 (1)	PN25	80	278	284	283	102	190	127	13	28.6
29-388-3-72120006 (2)	PN16	80	278	278	283	102	190	127	13	28.6
29-388-3-72120106 (2)	PN25	80	278	284	283	102	190	127	13	28.6

(1) Fixed Stopper

(2) Loose Stopper

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