AVK CLEARWAY UNDERGROUND HYDRANT

29/91-003

DN80 PN16

The Series 29/91 is the dimensional equivalent of a squat hydrant but with a full, straight bore from inlet to outlet. This allows a greatly enhanced flow-rate and ease of introduction and retrieval of pipe maintenance and measurement equipment. Complies with requirements of BS 750:2012 and EN 14339:2005, underground hydrants. Also to BS EN 1074-6 for potable (drinking) water. Resistant to corrosion of other component parts. Resistant to disinfection products.

Product description:
AVK Clearway Underground hydrant, PN16, for water and fire protection: -10° C to +70° C. Insulation essential for temperatures of 0° C and below.

Design standards:
- BS750, EN 1074-6, 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
- Draining - Volume of retained water 12ml after 4 minutes
- Approved according to Kitemark™ BS750 and EN 14339, certificate KM 53897
- WRAS approved materials
- Drinking Water Inspectorate Regulation 31 compliant
- Made in Great Britain
- UKCA / CE marked according to Construction Products Directive

Features:
- Outlet connections - BS336 to UK.
- Through bore. Bore Dimension full 80mm diameter with outlet removed.
- Exceeds standard flow requirements: Minimum specified flow 2000l/min @ 1.7 bar and Kv = 92. Actual flow 2538l/min @ 1.7 bar and Kv = 115.
- Fully maintainable in situ.
- Patented product.
- Stem drive - Stem cap in accordance with BS 750/ BS 5163-2.
- Type 2c. Screwed down type with screwed 2½" round thread outlet.
- Autofrost valve as standard.
- Corrosion resistant construction, ductile iron coated with WRAS approved epoxy coating Blue RAL 5017, to 250 microns min, holiday-free.
- Emboded carbon data available upon request.
- **Options:** Direct mounted quick fit connection, Drain plug, Data logger connection point, Outlet options: • Stainless steel (standard) or Gunmetal to BS 750 round thread • Instantaneous (Morris) • Belfast • London "V" thread • Internal screwed Norwegian • Bayonet (Dublin) • Black cap option available upon request.

Accessories:
Hydrant security device - AVK Series 29/10



WRAS APPROVED MATERIAL

DESIGNED, ENGINEERED AND MANUFACTURED IN GREAT BRITAIN

UK CA

CE

bsi BS 750 and BS EN 14339 KITEMARK™

Expect... AVK

The designs, materials and specifications shown are subject to change without notice due to the continuous development of our product range.

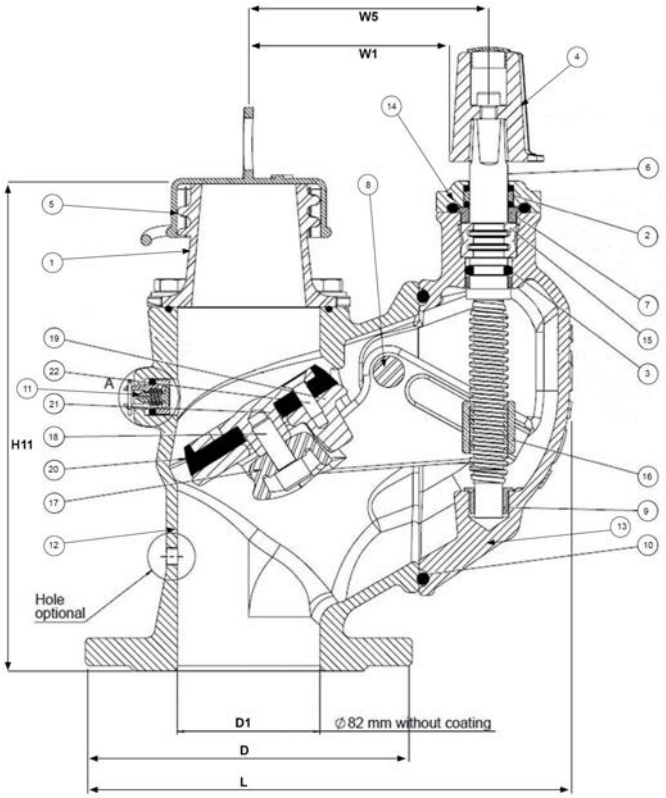
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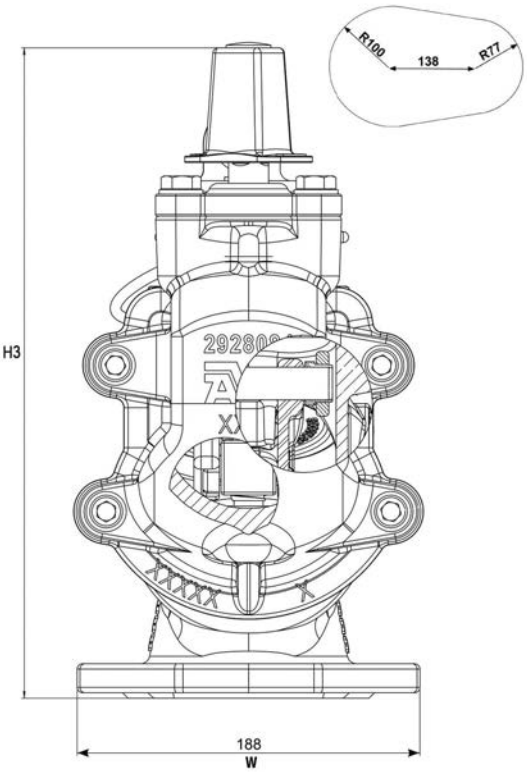
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Component list:

1.	Outlet	Stainless steel	12.	Body	Ductile Iron
2.	Bush	Polyamide	13.	Bonnet	Ductile Iron
3.	O-rings	Rubber	14.	Gland flange	Ductile Iron
4.	Stem cap	Ductile Iron	15.	Thrust collar	Brass
5.	Dust cap	Polyethylene	16.	Stem nut	Brass
6.	Stem	Stainless steel	17.	Hinge	Stainless steel
7.	Retainer ring	Brass	18.	Bolt	Stainless steel
8.	Hinge shaft	Stainless steel	19.	Disc lower part	Ductile Iron
9.	Stem bush	Brass	20.	Disc	Polyurethane
10.	Bonnet gasket	Rubber	21.	Disc, upper part	Ductile Iron
11.	Auto-frost assembly	Stainless steel / EPDM	22.	Bolt	Stainless steel

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

Reference nos. and dimensions:

AVK ref. no.	DN	D	D1	L	H3	H11	W	W1	W5	Theoretical
	mm	mm	mm	mm	mm	mm	mm	mm	mm	weight/kg
29-080-91-22032169024 (1)	80	187	82	286	359	297	188	103	138	20
29-080-91-22034369004	80	187	82	286	359	297	188	103	138	20
29-080-91-42034369024 (2)	80	187	82	286	359	297	188	103	138	20
29-080-91-42034369034 (3)	80	187	82	286	359	297	188	103	138	20

(1) Bayonet outlet and data logger 1/8 tapping in body with ball valve.

(2) London round thread with data logger ball valve

(3) Complete with a quickfit coupling

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