



AVK ABOVE GROUND FIRE HYDRANT, DN 100, PN 16

84/51

Model P7 "Nostalgia" Type C with additional ball shut-off, 2 x B + 1 x A

003



AVK series 84 above ground hydrants have many safety features and meet or exceed the requirements of DIN EN 14384. The hydrant is designed with double shut-off system for a continued sealing of the hydrant during maintenance and in the case of an accidental traffic knock down. The flanges connecting the upper and the lower barrel are assembled with special titanium bushes designed to break if something is hitting the hydrant. These bushes are the only spare parts to be replaced in case of a breakdown.

Product Description:

Above ground hydrant model P7 "Nostalgia" with 2 x hose storz B / 1 x pumper nozzle A outlet for drinking water and neutral liquids to max. 40° C

Standards:

- Designed according to EN 1074 - 6:2008, Design according to EN 14384:2005
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 16

Test/Approvals:

- Hydraulic test according to EN 1074-1 and 2 / EN 12266.
- Hydraulic test according to EN 1074-6 / VP 325 (3321)
- Approved according to DIN-DVGW Certificate NW-6411CO0337
- Approved according to CE Reg. No. 0620-CPR-6122

Features:

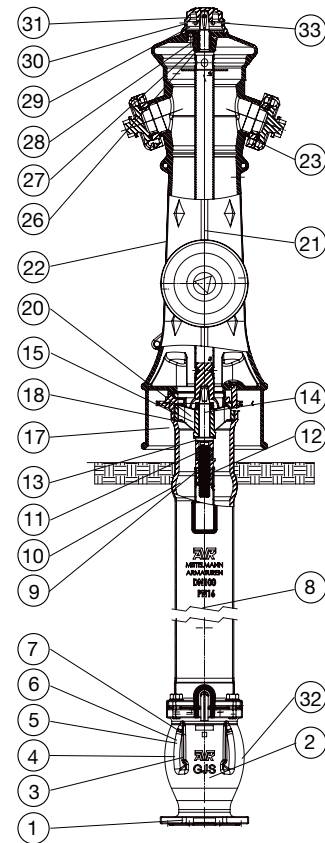
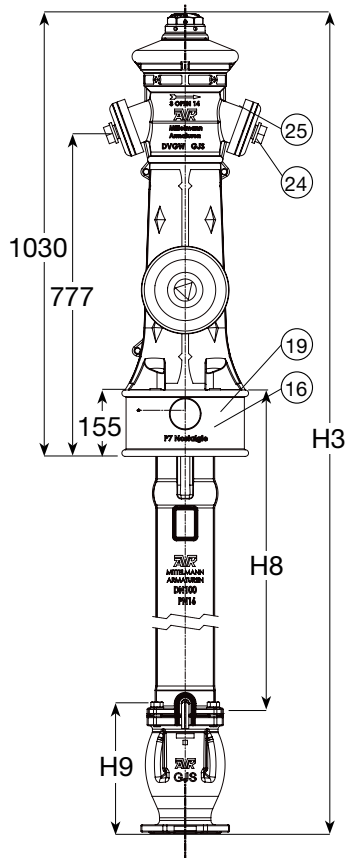
- 2 x B storz hose nozzles, 1 x A storz pumper nozzle
- Valve seat of dezincification resistant brass
- Fully vulcanized ball sealing gasket
- Automatic drainage in flush proof design
- Operating nut with integrated air valve of brass
- Disc with ductile iron core coated with PUR (Polyurethan) for maximum memory effect
- Titanium bushes in the upper barrel flange, protecting against damage at traffic knock down
- Additional ball shut-off for easy maintenance of the hydrant
- Kv value: 1 x 65 outlet: 209 m³/h, 2 x 65 outlet: 234 m³/h, 1 x 100: 256 m³/h
- Drainage: Residual flow: 22 ml.
- Time for drainage: 206 sec.
- Operating force resistance: MOT = 125 Nm, MST = 250 Nm
- Externally epoxy coated to DIN 30677-2, GSK approved and with a topcoat of UV resistant polyester. Internally enamelled to DIN 51178. Optionally top + bottom externally enamelled red or blue to DIN 51178
- The gear positioned in the lower part and a loosely plugged connection of the operation pipes, makes the main hydrant sealing remain fully functional at an accidental traffic knock down.

Accessories:

Flexdrain, T-piece, flange adaptor and combi-flange



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Component List:

1. Ball chamber	Ductile iron, min. GJS-400-15 (GGG-40)	2. Ball	PP
3. Sealing for ball stop valve	EPDM / Core in GJS	4. Locking segment	HDPE
5. Washer	Stainless steel A2	6. Bolt	Stainless steel A2
7. Seat	Brass	8. Operation pipe	Stainless steel 1.4021, GJS (GGG), PUR
9. Stem nut	Brass	10. Hydrant body, lower	Ductile iron, min. GJS-400-15 (GGG-40)
11. Washer	POM	12. Stem below	Stainless steel 1.4021
13. Stem guide	Ductile iron, min. GJS-400-15 (GGG-40)	14. Helical roll pin	Spring steel 1.4310
15. Ring	Ductile iron, min. GJS-400-15 (GGG-40)	16. Hex socket head screw	Stainless steel A2
17. Clamp half	Ductile iron, min. GJS-400-15 (GGG-40)	18. O-ring	EPDM rubber
19. Bushing	Titanium	20. Blocking ring	Ductile iron, min. GJS-400-15 (GGG-40)
21. Operation pipe top	Stainless steel 1.4021, GJL (GG)	22. Hydrant body, top	Ductile iron, min. GJS-400-15 (GGG-40)
23. O-ring	EPDM rubber	24. Cover B	Aluminium
25. Coupling B	Aluminium	26. O-ring	EPDM rubber
27. Bearing bush	Brass	28. Wiper ring	NBR / stainless steel
29. Washer	Polyamide	30. Hexagon head	GAI
31. Helical roll pin	Spring steel 1.4310	32. Drain pipe	PA, POM
33. Air valve	Brass		

Reference Nos. and Dimensions:

AVK ref. nos	DN mm	Pipe cover mm	H3 mm	H8 mm	H9 mm	Theoretic. weight kg
84-100-51-211011	100	1000	1865	725	265	93

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

AVK ref. nos	DN mm	Pipe cover mm	H3 mm	H8 mm	H9 mm	Theoretic. weight kg
84-100-51-211062 ⁽¹⁾	100	1000	1865	725	265	93
84-100-51-311011	100	1250	2115	975	265	98
84-100-51-311062 ⁽¹⁾	100	1250	2115	975	265	98
84-100-51-411011	100	1500	2365	1225	265	105

⁽¹⁾ Hydrant body red enamelled outside