



AVK ABOVE GROUND FIRE HYDRANT, PN 16

84/10

Model P5 Type C with additional ball shut-off

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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 P5 with 2 x hose storz / 1 x Pumper A-storz outlet for water and neutral liquids to max. 70° C

Standards:

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

Test/Approvals:

- Hydraulic test according to EN 1074-6 / VP 325 (3321)
- Hydraulic test according to EN 1074-1 and 2 / EN 12266.
- DN 100 Approved according to CE Reg. no. 1035-CPD-ES044393
- Approved according to DIN-DVGW Certificate NW-6411AS2286

Features:

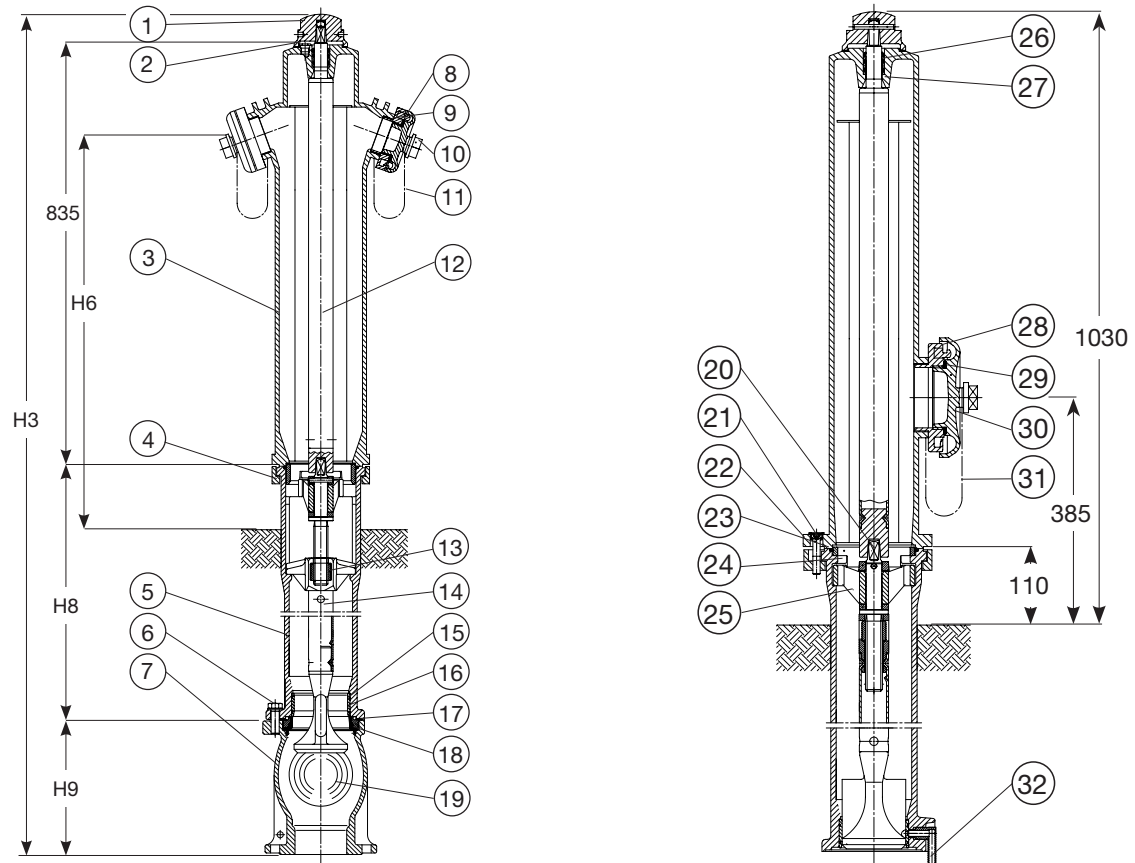
- 2 x B Storz hose nozzles + 1 x A Storz pumper outlet (also available without A-coupling)
- Valve seat of dezincification resistant brass
- Fully vulcanized ball sealing gasket
- Automatic drainage in flush proof design
- Operating nut with integrated air valve of brass
- Disc with ductile iron core 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: 200 m³/h
- Drainage: Residual flow: 22 ml, Time for drainage: 206 sec.
- Operating force resistance: MOT = 130 Nm, MST = 260 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, operating key



Expect... **AVR**



Component List:

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

Reference Nos. and Dimensions:

AVK ref. nos	DN mm	Pipe cover mm	H3 mm	H6 mm	H8 mm	H9 mm	Theoretical weight kg
84-100-10-211010	100	1000	1885	850	725	265	102
84-100-10-311010	100	1250	2135	850	975	265	108
84-100-10-411010	100	1500	2385	850	1225	265	116

AVK ref. nos	DN mm	Pipe cover mm	H3 mm	H6 mm	H8 mm	H9 mm	Theoretical weight kg
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