



AVK MULTI FIRE HYDRANT, ABOVE-GROUND, PN16
Model N7, with traffic break-away design (Type C), single shut-off, DN80/100

84/91-001

AVK's Multi hydrants are available with multiple configurations. The heavy duty materials with extra corrosion protection, the PUR coated disc with high memory effect and the high flow capacity ensure durability and good performance. Series 84/91 is a single shut-off hydrant with traffic break-away design. The flanges connecting the upper and lower barrel are assembled with special stainless steel bushes designed to break if something hits the hydrant. These bushes are the only spare parts to be replaced in case of a breakdown.

Product description:

Above-ground hydrant model N7 with traffic break-away design (Type C) - single shut-off for drinking water and neutral liquids to max. 60° C

Standards:

- Designed according to EN 1074 - 6:2008, Design according to EN 14384:2005
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN16

Test/Approvals:

- Hydraulic test according to EN 1074-6 / VP 325 (3321)
- Approved according to CE Reg. No. 0620-CPR-6122

Features:

- Several Storz outlet configurations available eg. 2 x C, 2 x B, 2 x B + 1 x A, 2 x C + 1 x B etc.
- Up to 4 outlets possible
- Valve seat of dezincification resistant brass
- Automatic drainage in flush proof design
- Integrated air valve of brass
- Disc with ductile iron core coated with PUR (Polyurethane) for maximum memory effect
- Stainless steel bushes in the upper barrel flange, protecting against damage at traffic knock down
- Kv value, DN 80: 1 x 65 outlet: 153 m³/h, 2 x 65 outlet: 153 m³/h
- Kv value, DN 100: 1 x 65 outlet: 210 m³/h, 2 x 65 outlet: 217 m³/h
- Drainage: Residual flow, DN 80/100: 17/22 ml – Time for drainage, DN 80/100: 120/215 sec/m.
- Operating force resistance: MOT = 125 Nm, MST = 250 Nm
- Hydrant head and lower barrel fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901. Hydrant head additionally coated with a topcoat of UV resistant polyester coating
- Upper barrel of heavy duty stainless steel
- 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.

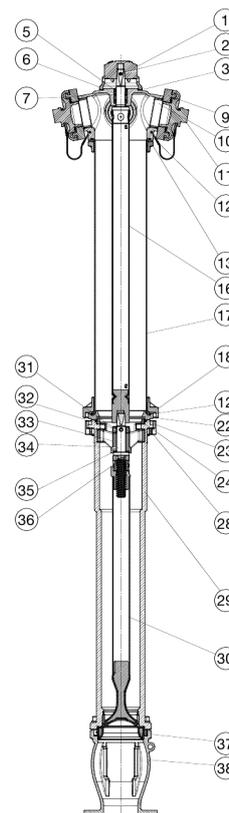
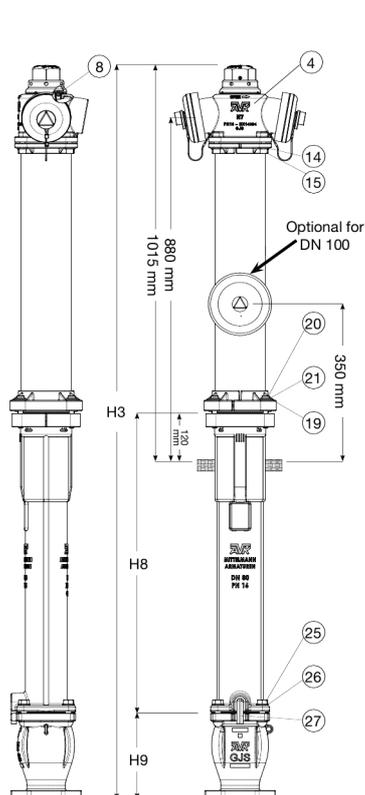
Accessories:

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



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



Component list:

1. Operation nut	Aluminium	20. Bolt, socket head	Stainless steel A2
2. Straight pin slotted	Stainless spring steel 1.4310	21. Breakable bush	Stainless steel
3. Washer	Stainless steel A2	22. Adaptor ring	Ductile iron GJS-400-15 (GGG-40)
4. Hydrant head	Ductile iron GJS-400-15 (GGG-40)	23. O-ring	EPDM rubber
5. Wiper ring	NBR rubber	24. Lock ring	Ductile iron GJS-400-15 (GGG-40)
6. Bearing bush	Brass	25. Bolt	Stainless steel A2
7. O-ring	EPDM rubber	26. Washer	Stainless steel A2
8. Air valve	Brass	27. Drain pipe	Polyamide
9. Coupling	Aluminium	28. Clamp half	Ductile iron GJS-400-15 (GGG-40)
10. O-ring	EPDM rubber	29. Lower barrel	Ductile iron GJS-400-15 (GGG-40)
11. Cover with wire	Aluminium	30. Lower stem rod	Stainless steel 1.4021, GJS (GGG), PUR
12. O-ring	EPDM rubber	31. Ring	Ductile iron GJS-400-15 (GGG-40)
13. Head flange	Ductile iron GJS-400-15 (GGG-40)	32. Helical roll pin	Stainless spring steel 1.4310
14. Washer	Stainless steel A2	33. Stem guide	Ductile iron GJS-500-7 (GGG-50)
15. Bolt, socket head	Stainless steel A2	34. Stem	Stainless steel 1.4021
16. Upper stem rod	Stainless steel	35. Washer	POM
17. Upper barrel	Stainless steel	36. Stem nut	Brass
18. Foot flange	Ductile iron GJS-400-15 (GGG-40)	37. Gasket	EPDM / core in GJS
19. Washer	Stainless steel A2	38. Ball chamber	Ductile iron GJS-400-15 (GGG-40)

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

Reference nos. and dimensions:

AVK ref. no.	DN	Pipe cover	H3	H8	H9	Theoretical weight/kg
	mm	mm	mm	mm	mm	
84-080-91-21101015 ⁽¹⁾	80	1000	1886	770	220	51
84-080-91-31101015 ⁽¹⁾	80	1250	2136	1020	220	56
84-080-91-41101010 ⁽²⁾	80	1500	2386	1270	220	61

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	mm	mm	mm	mm	mm	
84-080-91-41101015 (1)	80	1500	2386	1270	220	61
84-100-91-21101010 (2)	100	1000	1886	725	265	61
84-100-91-21101012 (3)	100	1000	1886	725	265	61
84-100-91-31101010 (2)	100	1250	2136	975	265	66
84-100-91-31101012 (3)	100	1250	2136	975	265	66
84-100-91-41101010 (2)	100	1500	2386	1225	265	71

(1) 2 x coupling C, 1 x coupling B
(2) 2 x coupling B
(3) 2 x coupling B, 1 x coupling A