



AF02/5

OVERGROUND FIRE HYDRANT SMART TYPE 1220 WITH DOUBLE SHUT-OFF, BREAKABLE

DN100

Application:



Waterworks and fire-fighting installations.



Design features

- Overground hydrant with double closure type C (broken design) for quick use during fire and temporary connection to the water supply network
- All Materials resistant to disinfection
- Connection to water supply networks using N and FF fittings
- Self-draining when completely closed
- Light weight of the hydrant enables quick and simple installation
- Good hydraulic characteristics
- No need to dig out the hydrant in case of replacement of damaged parts

Technical Details

Maximum Working Pressure PFA:

16 bar / PN16

Construction complies to:

EN 14384, EN 1074-6, Regulation 304/2011

Resistance to operating load:

DN 100 MOT = 100 Nm,
MST = 250 Nm

Outlets for connecting fire hose:

Standard
DN100 2 x B, 1 x A

Drainage:

Time for draining = 5 min/m

Certification:

CPR - CNBOP, Hygienic Certificate PZH

Flange Type:

EN 1092-2, PN10/16

Coating:

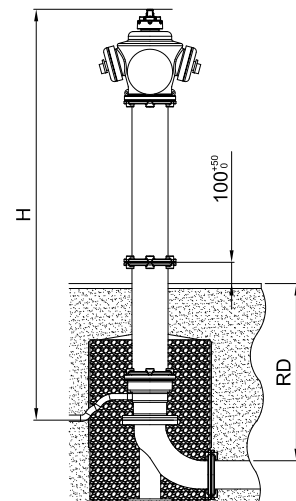
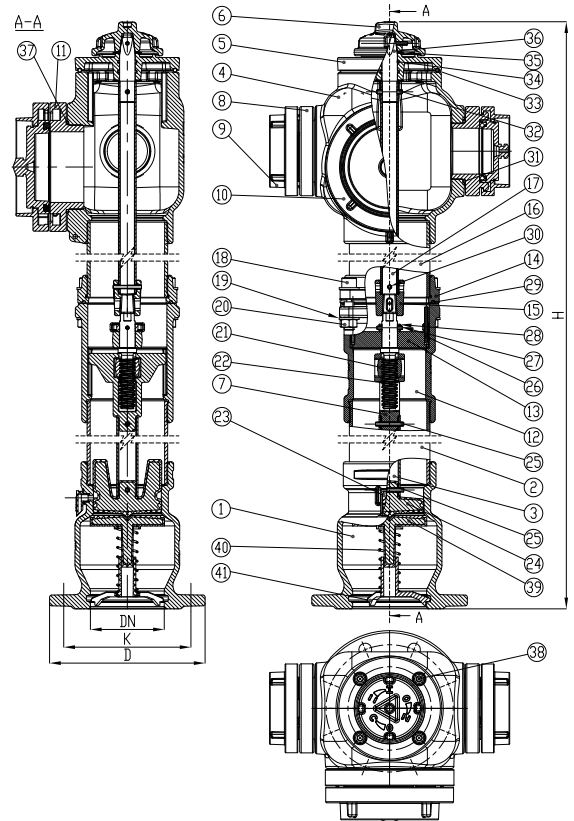
Internal coating: Electrostatically applied epoxy coating with a minimum thickness of 250 µm.
External coating: Electrostatically applied epoxy coating with a minimum thickness of 250 µm UV resistant





AF02/5

No	Part Name	Material
1	Hydrant Base	Ductile Iron EN-GJS-500-7
2	Underground Column	1.0037 (S235JR) 1.4301 (OH18N9) SS304 EN GJS-500-7
3	Top Rod	1.4301 (OH18N9) SS304
4	Head	Ductile Iron EN-GJS-500-7
5	Cover	Ductile Iron EN-GJS-500-7
6	Operating Nut	Ductile Iron EN-GJS-500-7
7	Rod	Ductile Iron EN-GJS-500-7
8	Base 75	Aluminium Ak-11 (ALSi 11)
9	Cap 75	Aluminium Ak-11 (ALSi 11)
10	Base 110	Aluminium Ak-11 (ALSi 11)
11	Cap 110	Aluminium Ak-11 (ALSi 11)
12	Bottom Break-away Flange	Ductile Iron EN-GJS-500-7
13	Lock	Ductile Iron EN-GJS-500-7
14	Top Flange	Ductile Iron EN-GJS-500-7
15	Base N03	Ductile Iron EN-GJS-500-7
16	Overground Column	1.0037 (S235JR) 1.4301 (OH18N9) SS304 EN GJS-500-7
17	Top Rod	1.4301 (OH18N9) SS304
18	Special Bolt	Steel 1.0037 (S235JR)
19	Washer	Steel S235JR / Galvanized
20	Nut	Steel S235JR / Galvanized
21	Nut Tr	Brass CW617N (CuZn40Pb2)
22	Bolt Tr	Stainless Steel 1.4021 (2H13)
23	Drainage Plug	Polyethylene
24	Bottom Closing Piston	EN-GJS-500-7+EPDM
25	Pin	Spring steel
26	Pin	Stainless Steel 1.4021 (2H13)
27	Pin	Stainless Steel 1.4021 (2H13)
28	Distance Bushing	Steel 1.0037 (S235JR)
29	O-Ring	Elastomer EPDM
30	Pin	Stainless Steel 1.4310 (X10CrNi18-8)
31	O-Ring	Elastomer EPDM
32	Pin	Stainless Steel 1.4021 (2H13)
33	Special Seal	Elastomer EPDM
34	O-Ring	Elastomer EPDM
35	Washer	Stainless Steel 1.4301 (OH18N9)
36	Top End	Stainless Steel 1.4021 (2H13)
37	O-Ring	Elastomer EPDM
38	Bolt	Steel S235JR / Galvanized
39	Bottom Closing Piston	EN-GJS-500-7+EPDM
40	Tightening Spring	Spring steel
41	Priston Guide	PE



Dimension (mm & kg)

DN	Rd	H	Connecting flange				Weight
			D	K	n	b	
100	1000	1950	220	180	8	19	55,3
	1250	2150					58,0
	1500	2350					60,7

Rd - recommended construction depth
H - total height of the hydrant

DN	Rd	H	AF01/1		
			S235JR	SS304	EN GJS-500-7
100	1000	1950	*	*	*
	1250	2150	AF0773	*	AF0775
	1500	2350	AF0774	*	AF0776