

BREAKABLE FIRE-HYDRANT DN100 DOUBLE CLOSING BI.BBK.100.BBR.750.2



Application

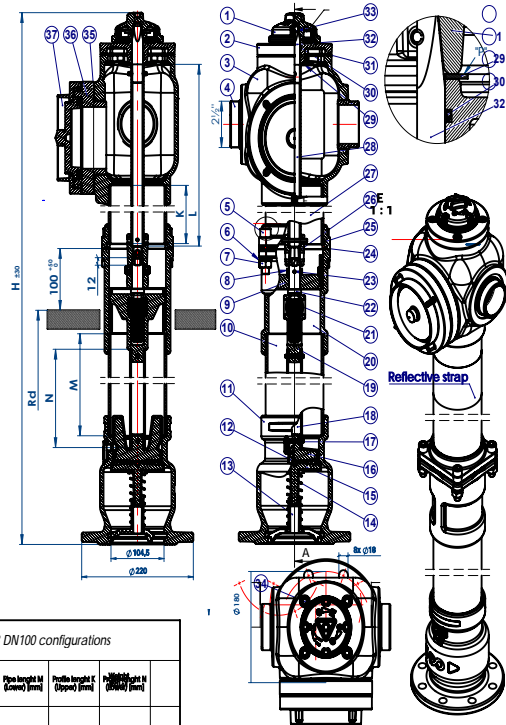
Overground hydrant DN100 is designed for taking portable or untreated water from the water supply network (max. pressure 1,6MPa)

Materials

Head, base, cover, slider, flanges - ductile iron. Stem - stainless steel. Flange bushings - copper. Stem nut - brass. Pistons - ductile iron covered with rubber. Rod - galvanised steel. Column - constructional steel. Coupling - aluminium. Tightening spring - stainless steel. Piston guide - polyethylene. Overground and underground break-away flanges connection - galvanised steel bolts, class 8.8. Anti-rust coating - epoxy (inner), polyester (outer).

Operation

Closing water supply is done by a piston blocking the circuit closing socket. The control of water flow is done by turning the operating nut. The hydrant is closed by turning the nut clockwise, and opened by turning the element anti-clockwise. The hydrant is equipped with efficient drainage for anti-freeze protection - it is closed during the water flow, and fully open when the water flow is shut-off. In case of breaking the hydrant stays closed due to a locking system of the piston. Only bolts fastening the overground section with the underground one are damaged and the hydrant can be quickly repaired by replacing the broken bolts with the new ones. Max. torque used for fastening the bolts must not exceed 60Nm. The hydrant is also equipped with two Ø 65mm and one Ø 100mm outlets for fire-hose connection.



D N	Height H (mm)	Pipe length L (Upper) (mm)	Pipe length L (Lower) (mm)	Piston height E (Upper) (mm)	Piston height H (Lower) (mm)
100	1350	595	153	795	147
100	1650	595	453	795	447
100	2150	595	953	795	947

No	Q-ty:	Part Name:	Material:	Standard:
1	1	Operating Nut	EN - GJS - 500 - 7	PN - EN 1563
2	1	Cover HN2	EN - GJS - 500 - 7	PN - EN 1563
3	1	Hydrant Head DN100	EN - GJS - 500 - 7	PN - EN 1563
4	2	Adaptor DN65 to M80x2	Ak-11 (ALS 11)	
5	4	Special screw M14x60	S235JR / Ocynkowana	PN - 82302
6	4	Washer M12	1.0037 (S235JR)	PN - 82005
7	4	Nut M14	1.0037 (S235JR)	PN - 82144
8	1	Bush	1.4021 (2H13)	PN - EN 10219
9	1	Lock DN100	EN - GJS - 500 - 7	PN - EN 1563
10	1	Lower column HD2 DN100	1.0037 (S235JR)	PN - 79/H-74244 PN - EN 10088-1 PN - EN 1563
11	1	Hydrant Base DN100	EN - GJS - 500 - 7	PN - EN 1563
12	1	Drainage plug	Tworzywo Sztuczne	PN-89/C-89286
13	1	Piston Guide DN100	PE	PN - EN ISO 1873
14	1	Slider spring	1.0037 (S235JR)	PN - EN 10088-1
15	1	Bottom closing piston DN100	EN - GJS - 500 - 7	PN - EN 1563 / EN 681
16	1	Top closing piston DN100	EPDM	PN - EN 1563
17	3	Pin 6x36	Stal sprężynowa	PN - EN ISO 8752
18	1	top rod HD2 (30x30x3)	1.0037 (S235JR)	PN - EN 10219-2
19	1	Slider DN100	EN - GJS - 500 - 7	PN - EN 1563
20	1	Lower element DN100	EN - GJS - 500 - 7	PN - EN 1563
21	1	Nut Tr22x5	Mosiądz Mo 58	PN - EN 12164
22	1	Stem Tr22x5	1.4021 (2H13)	PN - EN 10088-1
23	1	Pin 5x36	Stal sprężynowa	PN - EN ISO 8752
24	1	O-Ring 118x5	EPDM	PN - 92/C-01604.01
25	1	Upper element DN100	EN - GJS - 500 - 7	PN - EN 1563
26	1	Nut	EN - GJS - 500 - 7	PN - EN 1563
27	1	Upper column HD2 DN80	1.0037 (S235JR)	PN - 79/H-74244 PN - EN 10088-1 PN - EN 1563
28	1	Top rod HD2 (25x25x2)	1.0037 (S235JR)	PN - EN 10219-2
29	2	Washer	0H18N9 (1.4301)	PN - EN 10088-1
30	2	O-Ring 21x3	EPDM	PN - 92/C-01604.01
31	1	Washer (Specjalna)	EPDM	PN - 92/C-01604.01
32	1	Top end	1.4021 (2H13)	PN - EN 10088-1
33	4	Pin 5x50	Stal sprężynowa	PN - EN ISO 8752
34	4	Screw M10 x 25	S235JR / Ocynkowana	PN - 82302
35	1	O-Ring 120x5	EPDM	PN - 92/C-01604.01
36	1	Coupling 110	Ak - 11 (ALS 11)	PN-91/M-51038
37	1	Coupling Cover 110	Ak - 11 (ALS 11)	PN-91/M-51024

