

BREAKABLE FIRE-HYDRANT DN80 DOUBLE CLOSING



Application

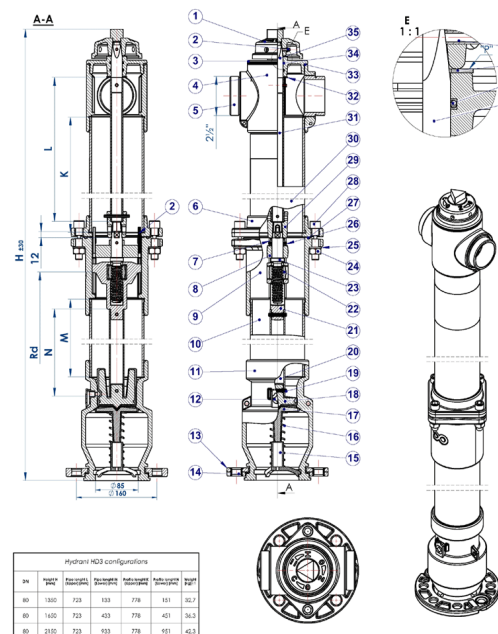
Overground hydrant DN80 is designed for taking portable or untreated water from the water supply network (max. pressure 1,6MPa)

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 two pistons of which one seals the circuit closing socket and the other frontal closing socket what results in reliable operation of the hydrant. 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 use of a rotating flange enables a fast connection to the pipeline and setting the hydrant in a suitable position. 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 blocking 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 65mm outlets for fire-hose connection.



DN	Pressure	Material	Material	Material	Material	Material
80	1600	723	533	778	531	50,7
80	1600	723	433	778	431	36,3
80	2100	723	533	778	531	40,3



No	Q-ty:	Part Name:	Material:	Standard:
1	1	Operating Nut	EN - GJS - 500 - 7	PN - EN 1563
2	4	Pin 5x50	Steel	PN - EN ISO 8752
3	1	Cover HT DN80	EN - GJS - 500 - 7	PN - EN 1563:2000
4	1	Head HT DN80	EN - GJS - 500 - 7	PN - EN 1563:2000
5	2	Adaptor DN65 to M80x2	Ak-11 (ALSI 11)	
6	1	Breakable flange 1 DN80	EN - GJS - 500 - 7	PN - EN 1563
7	1	Bush	1.4021 (2H13)	PN - EN 10219
8	1	Lock DN80	EN - GJS - 500 - 7	PN - EN 1563
9	1	Breakable flange 2 DN80	EN - GJS - 500 - 7	PN - EN 1563
10	1	Lower column HD2 DN80	1.0037 (S235JR) 1.4301 (AISI 304) EN - GJS - 500 - 7	PN - 79/H-74244 PN - EN 10088-1 PN - EN 1563
11	1	Hydrant's base DN80	EN - GJS - 500 - 7	PN - EN 1563
12	1	Drainage plug	PE	PN-B9/C-89286
13	2	Half-ring DN80	EN - GJS - 500 - 7	PN - EN 1563
14	2	Bush	Miedz	PN - EN 1563
15	1	Piston guide	PE	PN-B9/C-89286
16	1	Spring	1.0037 (S235JR)	PN - EN 10088-1
17	1	Closing Piston DN80	EN - GJS - 500 - 7	PN - EN 1563
18	1	Closing Piston 2 DN80	EN - GJS - 500 - 7	PN - EN 1563
19	3	Pin 6x36	Steel	PN - EN ISO 8752
20	1	top rod HD2 (30x30x3)	1.0037 (S235JR)	PN - EN 10219-2
21	1	Slider DN80	EN - GJS - 500 - 7	PN - EN 1563
22	1	Nut Tr22x5	Brass Mo-58	PN - EN 12164
23	1	Stem Tr22x5	1.4021 (2H13)	PN - EN 10088-1
24	4	Nut M14	1.0037 (S235JR)	PN - 82144
25	4	Washer M12	1.0037 (S235JR)	PN - 82005
26	1	Pin 5x36	Steel	PN - EN ISO 8752
27	1	O-Ring 118x5	EPDM	PN - 92/C-01604.01
28	4	Special screw M14x60	S235JR / Galvanized	PN - 82302
29	1	Nut	EN - GJS - 500 - 7	PN - EN 1563
30	1	Upper column HD2 DN80	1.0037 (S235JR) 1.4301 (AISI 304) EN - GJS - 500 - 7	PN - 79/H-74244 PN - EN 10088-1 PN - EN 1563
31	1	Top rod HD2 (25x25x2)	1.0037 (S235JR)	PN - EN 10219-2
32	2	Washer	0H18N9 (1.4301)	PN - EN 10088-1
33	1	O-Ring 105x5	EPDM	PN - 92/C-01604.01
34	2	O-Ring 21x3	EPDM	PN - 92/C-01604.01
35	1	Top end	1.4021 (2H13)	PN - EN 10088-1