



UNDERGROUND FIRE HYDRANT SMART WITH SINGLE SHUT-OFF

DN80

Application:



Waterworks and fire-fighting installations.

Design features

- Installation in water pipe lines with N and FF pieces.
- The sealing technique enables the self-cleaning of the sealing area.
- Very good hydraulic characteristics.
- Possibility to change the sealing without necessity to disassemble the hydrant
- Self-draining when fully closed



Technical Details

Maximum Working Pressure PFA:

16 bar / PN16

Construction complies to:

EN 14339, EN 1074-6, Regulation 305/2011

Resistance to operating load:

DN 80 MOT = 105 Nm,
MST = 250 Nm

Outlets for connecting fire hose:

Outlet compatible with the standard DIN 3221
and DVGW VP 325

Drainage:

Time for draining = 190 s/m

Certification:

CPR - CNBOP, Hygienic Certificate PZH

Flange Type:

EN 1092-2, PN10/16

Coating:

Epoxy paint coated electrostatically of min
thickness 250 µm

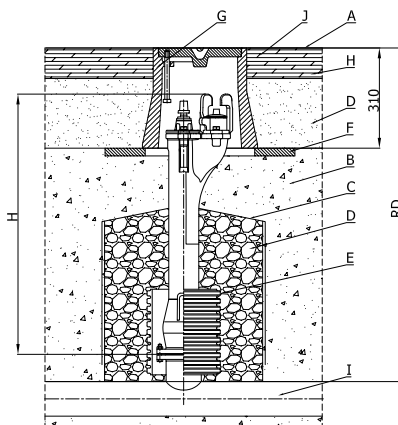
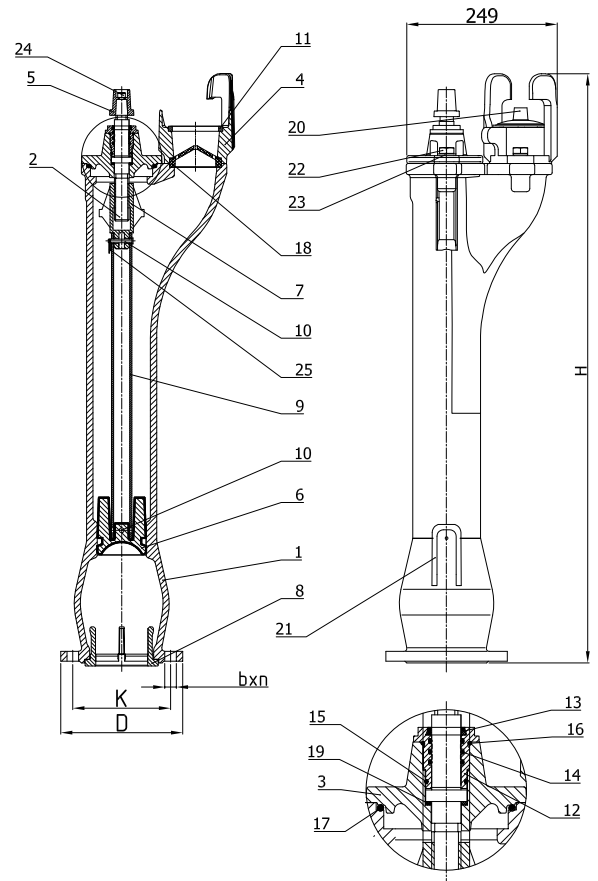




AF01/1

No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Stem	Stainless Steel 420
3	Gland Housing	Ductile Iron EN-GJS-500-7
4	Outlet	Ductile Iron EN-GJS-500-7
5	Cap Top	Ductile Iron EN-GJS-500-7
6	Disc	EN-GJS-500-7 + EPDM
7	Wedge Nut	Brass CW612N
8	Flange Nut	EPDM + PCW
9	Connection Pipe	Stainless Steel 304
10	Pin	Stainless Steel 420
11	Brass Ring	Brass CW612N
12	Gland Bush	Brass CW612N
13	Dust Ring	Elastomer EPDM
14	O-Ring	Elastomer EPDM
15	O-Ring	Elastomer EPDM
16	O-Ring	Elastomer EPDM
17	O-Ring	Elastomer EPDM
18	Strainer	Elastomer EPDM
19	Bottom Washer	PTFE
20	Cover	Polypropylene PP
21	Drainage Cover	Polyvinyl chloride PCW
22	Bolt	Stainless Steel A2-70
23	Washer	Stainless Steel A2-70
24	Bolt	Stainless Steel A2-70
25	Pin	Stainless Steel A2-70

Kv [m³/h] DN80	
Rd	Kv measured
1000	136
1250	129
1500	122



- A - Ground level
- B - Well -established ground
- C - Recommended PE foil or felt
- D - Sand size 4-20 mm
- E - Option: drainage
- F - Base plate
- G - Surface box
- H - Grass
- I - Pipeline
- J - Asphalt

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

Dimension (mm & kg)

DN	AF02/1	Rd	H	Connecting flange				Weight
				D	K	n	b	
80	AF0652	1000	725	200	160	8	19	31,1
	AF0653	1250	975					38,3
	AF0654	1500	1225					42,1