



AF01/4

UNDERGROUND FIRE HYDRANT TYP 2016-A 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
- Stainless steel sealing sleeve



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:

Certificate CPR - CNBOP, PZH, GSK-RAL, WRAS, W270, KTW, ZAG EC, DVGW

Flange Type:

EN 1092-2, PN10/16

Coating:

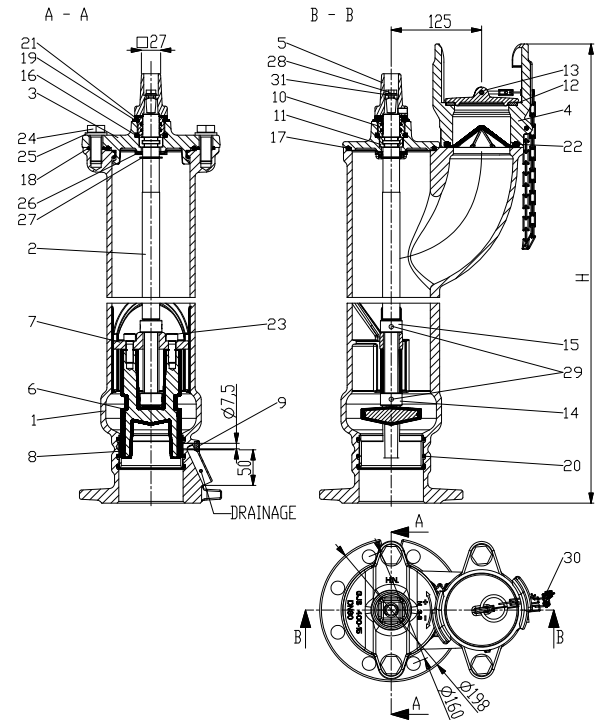
250 µm FBE coating, external and internal



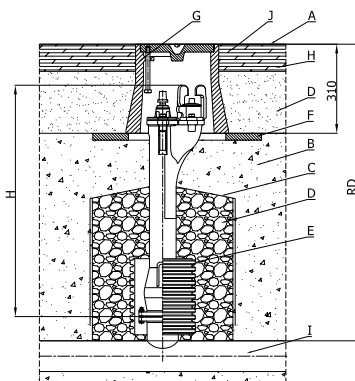


AF01/4

No	Part Name	Material
1	Body	Ductile Iron EN-GJS-400-15
2	Stem	Stainless Steel 420
3	Bonnet	Ductile Iron EN-GJS-400-15
4	Outlet	Ductile Iron EN-GJS-400-15
5	Cap Top	Ductile Iron EN-GJS-400-15
6	Valve Piston	EN-GJS-400-15 + EPDM
7	Stem Nut	Brass CW614N
8	Sealing Ring	Stainless Steel 304
9	Plug	KOTERM
10	Gland Bush	Brass CW614N
11	Bearing Sleeve	Brass CW614N
12	Brass Ring	Brass CW614N
13	Cap	EN-GJS-400-15
14	Limiter	Brass CW614N
15	Limiter	Brass CW614N
16	Gasket	Elastomer EPDM
17	O-Ring	Elastomer EPDM
18	O-Ring	Elastomer EPDM
19	O-Ring	Elastomer EPDM
20	O-Ring	Elastomer EPDM
21	Dust ring	Elastomer EPDM
22	Membrane	Elastomer EPDM
23	Screw	Stainless Steel A2-70
24	Screw	Stainless Steel A2-70
25	Washer	Stainless Steel A2-70
26	Washer	Stainless Steel A2-70
27	Retaining Ring	Stainless Steel A2
28	Screw	Stainless Steel A2-70
29	Pin	Stainless Steel A2
30	Chain	Stainless Steel A2
31	Washer	Stainless Steel A2-70



Kv [m³/h] DN80	
Rd	Kv measured
750	142
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	AF02/3	Rd	H	Connecting flange				Weight
				D	K	n	b	
80	AF0638	750	508	200	160	8	19	22
	AF0639	1000	738					27
	AF0640	1250	988					32
	AF0641	1500	1238					38

Manufactured for AEON by IMP.

