



## FIRE HYDRANT TYPE II

### DN80

Fire Hydrant Type II provides reliable access to a high-volume water supply for firefighting and emergency operations. Designed for durability, easy operation, and dependable performance in fire protection systems.

#### Application:



Waterworks and fire-fighting installations.

#### Design features

- Sturdy ductile iron construction
- Internal and external fusion bonded epoxy coating for long lasting corrosion-free life
- Bayonet Outlet connection
- Special inlet flange to accept multiple flange standards, reducing inventory
- Fixed stopper
- Automatic frost drain plug as standard

#### Technical Details

|                                                                                                                                                                                            |                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Working Pressure PFA:</b><br>16 bar / PN16                                                                                                                                      | <b>Working temperature:</b><br>-10°C to +60°C                                                                                                                 |
| <b>Construction complies to:</b><br>Construction Products Regulation (CPR) - SI 2013 NO. 1387 as amended by SI 2019 No 465 - 2021 Construction Products Regulation CPR 305/2011/ EU - 2015 | <b>Additional Test Data (BS 750):</b><br>Hydraulic Test to BS 750, Seat 1.1 x PN, Body 1.5 x PN, MOT value 105, mST value 210                                 |
| <b>Flow requirement:</b><br>kv>92 m <sup>3</sup> /h, min 2,000 l/min<br>Actual: 2058 l/min                                                                                                 | <b>Connection:</b><br>Inlet: Flange DN80 drilled to PN16 (EN 1092-2), B10 Table D/E and ANSI 125# available on request<br>Outlet: Ductile Iron Bayonet Outlet |
| <b>Resistance to operating load:</b><br>MOT = 105 Nm, MST = 250 Nm                                                                                                                         |                                                                                                                                                               |
| <b>Number of turns::</b><br>Clockwise close<br>- number of turns to start flow 1,5<br>- number of turns to fully open 6,7                                                                  | <b>Drainage:</b><br>Volume of retained water 20 ml<br>Time to drain 7 mins                                                                                    |
| <b>Drainage:</b><br>Volume of retained water 20 ml<br>Time to drain 7 mins                                                                                                                 | <b>Coating:</b><br>Blue FBE coating external and internal WRAS approved, compliant to BS EN 14901:2006, 250 µm min. WIS-4 52-01 Class B                       |

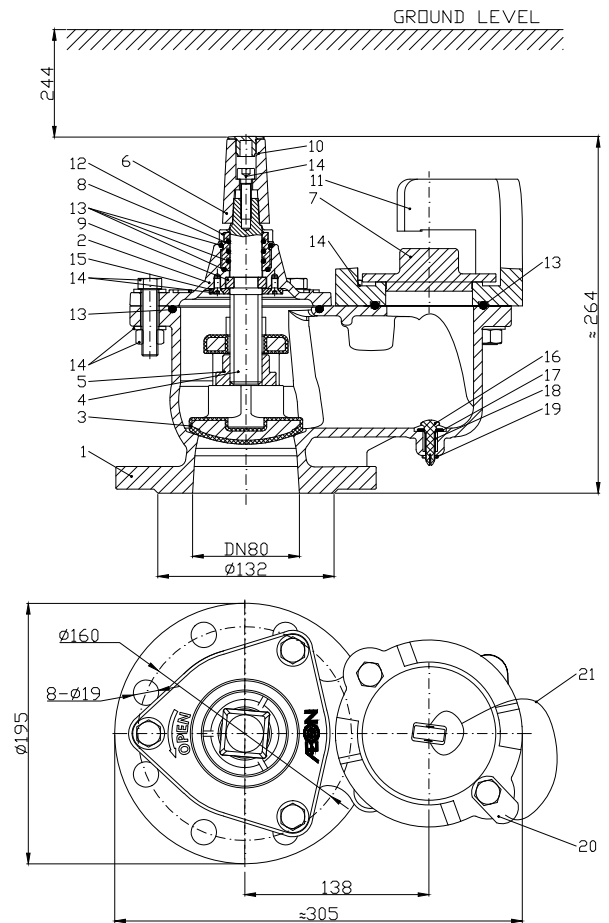




AF01/7

| No | Part Name          | Material                                      |
|----|--------------------|-----------------------------------------------|
| 1  | Body               | Ductile Iron EN-GJS-500-7                     |
| 2  | Bonnet             | Ductile Iron EN-GJS-500-7                     |
| 3  | Disc               | Ductile Iron EN-GJS-500-7+EPDM                |
| 4  | Stem               | Stainless Steel<br>X5CrNi18-10 / 1.4301 / 304 |
| 5  | Stem Nut           | H.T. dezincification resistant Brass          |
| 6  | Cap Top            | Ductile Iron EN-GJS-500-7                     |
| 7  | Bayonet Outlet     | Ductile Iron EN-GJS-500-7                     |
| 8  | Gland Bush         | H.T. dezincification resistant Brass          |
| 9  | Holding Ring       | H.T. dezincification resistant Brass          |
| 10 | Plug               | Polyethylene                                  |
| 11 | Protect Cap        | Polyethylene                                  |
| 12 | Dust Ring          | Elastomer NBR                                 |
| 13 | O-ring Seal        | Elastomer NBR                                 |
| 14 | Bolts/Nuts/Washers | Stainless Steel A2-70                         |
| 15 | Flat Washer        | Stainless Steel A2-70                         |
| 16 | Draing Plug        | Nylon (PA 66)                                 |
| 17 | Draing Gasket      | Elastomer NBR                                 |
| 18 | Spring             | Stainless Steel                               |
| 19 | Seal               | Nylon (PA 66)                                 |
| 20 | Steel Plate        | Stainless Steel<br>X5CrNi18-10 / 1.4301 / 304 |
| 21 | Steel Rope         | Stainless Steel<br>X5CrNi18-10 / 1.4301 / 304 |

### Ductile Iron Bayonet Outlet



### Dimension (mm & kg)

| DN | AF01/7 | Material     | Weight | Kv [m³/h] |
|----|--------|--------------|--------|-----------|
| 80 | AP0013 | Ductile Iron | 16     | 96,3      |