

Fire Hydrant Type II

AF01/4

DN80

The Fire Hydrant Type II has been designed to ensure trouble-free operation in a fully FBE coated sturdy unit. Various outlet connections are available along with the loose stopper 2½" London Round Thread or with the Instantaneous Outlet accordance to BS336 (Option). Hydrant to be used for potable (drinking) water application.

Technical Details

Maximum Working Pressure PFA:

16 bar / PN16

Working temperature:

-10°C to +60°C

Construction complies to:

Fully compliant with BS 750 Type II,
Hydrostatic Tests: 17.6 bar (seat) and 24 bar (full body), BS EN 14339,
Corrosion resistant and complies with BS EN 1074-6 for potable (drinking) water

Certification:

BSI Kitemark to BS750 and BS EN 14339
Construction Products Regulation (CPR) - SI 2013 NO. 1387 as amended by SI 2019 No 465 - 2021
Construction Products Regulation CPR 305/2011/EU - 2015

Connection:

Inlet: Flange DN80 drilled to PN16 (EN 1092-2),
B10 Table D/E and ANSI 125# available on request
Outlet: Brass or Stainless Steel 2½" London Round Thread to BS 750
Outlet: Brass Instantaneous Outlet BS336 (Option)

Flow requirement:

kv>92 m³/h, min 2,000 l/min
Actual: 2058 l/min

Coating:

Blue FBE coating external and internal WRAS approved, compliant to
BS EN 14901:2006, 250 µm min.
WIS-4 52-01 Class B

Number of turns:

Clockwise close
- number of turns to start flow 1,5
- number of turns to fully open 6,7

Drainage:

Volume of retained water 20 ml
Time to drain 7 mins

Additional Test Data (BS 750):

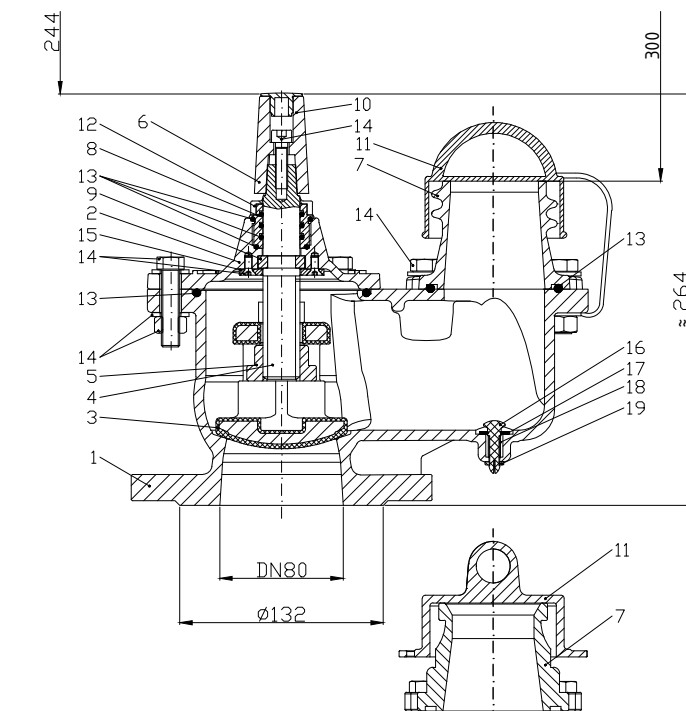
Hydraulic Test to BS 750
Seat 1.1 x PN
Body 1.5 x PN
MOT value 105
mST value 210

Design features

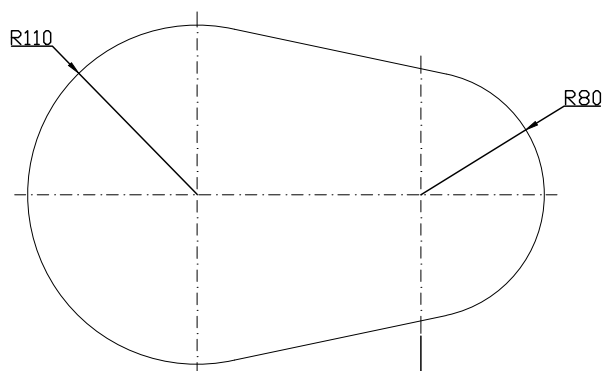
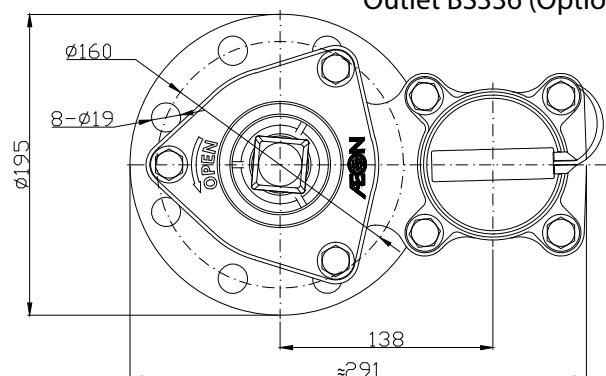
- Sturdy ductile iron construction
- Internal and external fusion bonded epoxy coating for long lasting corrosion-free life
- 2½" London Round Thread or bayonet connection (Instantaneous Outlet BS336 connection - option)
- Special inlet flange to accept multiple flange standards, reducing inventory
- Loose stopper
- Automatic frost drain plug as standard



Outlet: 2½" London Round Thread to BS750



Outlet BS336 (Option)



Minimum clear area of surface box & cover

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 X5CrNi18-10 / 1.4301 / 304
5	Stem Nut	H.T. dezincification resistant Brass
6	Cap Top	Ductile Iron EN-GJS-500-7
7	Outlet BS750 / Outlet BS336	Stainless Steel / H.T. dezincification resistant Brass
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	Drain Gasket	Elastomer NBR
18	Spring	Stainless Steel
19	Seal	Nylon (PA 66)

Dimension (mm & kg)

DN	Code	Material
2½" London Round Thread to BS 750		
80	AP0015	SS Outlet
80	AP0016	Brass Outlet
Weight (kg)	13	
Instantaneous Outlet to BS336		
80	AP0014	Brass Outlet
Weight (kg)	15	
Kv [m³/h]	96,3	