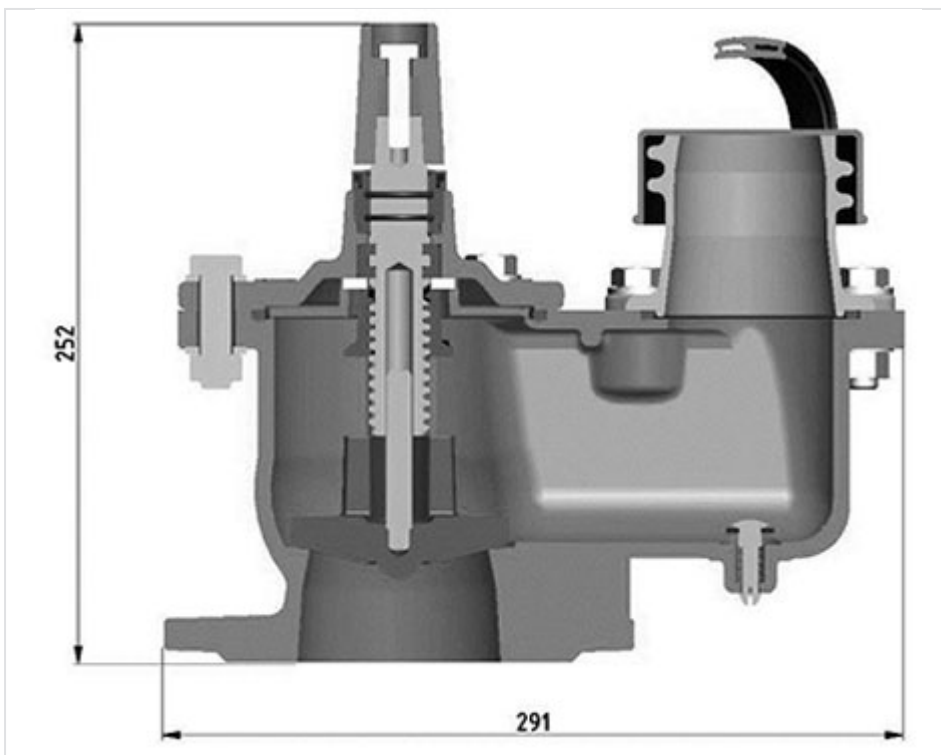


## FH2 Underground Fire Hydrant DN80 BS750 - Type Loose Stopper



DN (mm)	Version	Mass (kg)	References
80	Standard design	11.40	230709



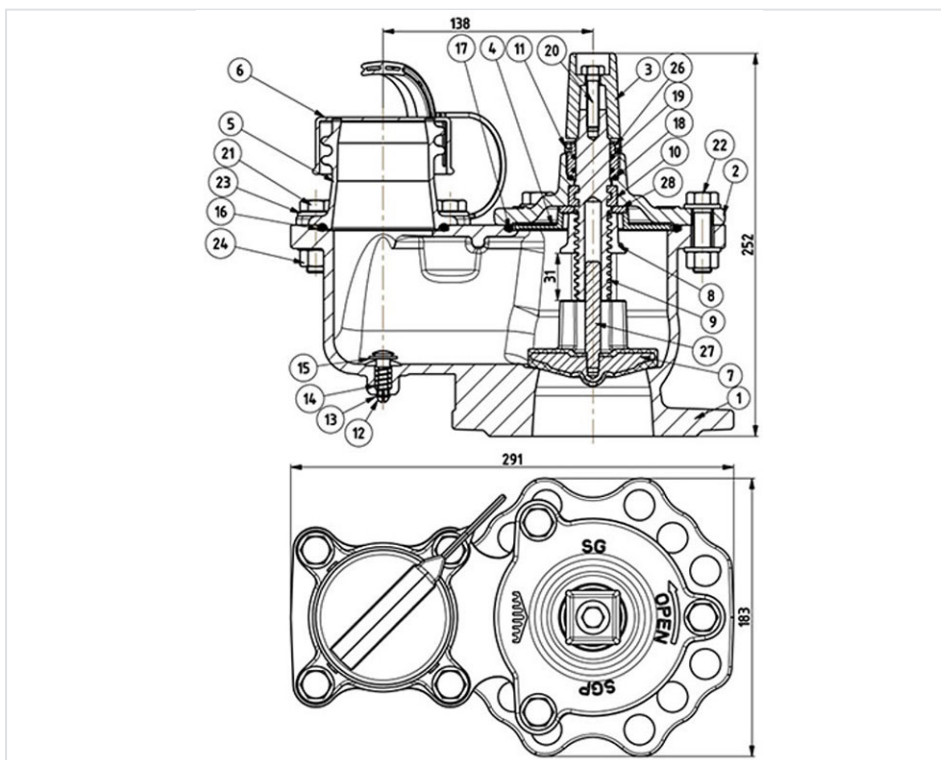
## Field of use

Fire hydrants pillar or underground type are designed, according to applicable standards and regulations, for exclusive use of fire protection and using drinking water or raw water network.

They must be handled and used in strict compliance with the recommendations and best practice by personnel trained with these recommendations.

These devices must be inspected periodically (as required by regulations or recommended instructions) to verify and maintain their proper and safe operation.

## Material and coatings



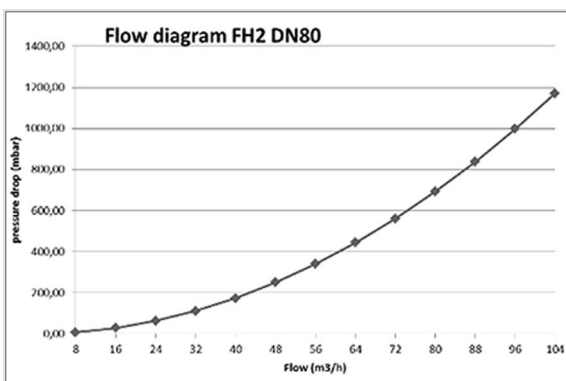
Item	Designation	Standards	Material Standard Version	Material Upgraded Version	Material Heavy-duty Version
1	Hydrant body	BS EN 1563	Ductile Iron coated with epoxy powder 250 microns	Ductile Iron coated with epoxy powder 300 microns	
2	Hydrant bonnet	BS EN 1563	Ductile Iron coated with epoxy powder 250 microns	Ductile Iron coated with epoxy powder 300 microns	

Item	Designation	Standards	Material Standard Version	Material Upgraded Version	Material Heavy-duty Version
3	Operating cap	BS EN 1563	Ductile Iron coated with epoxy powder 250 microns	Ductile Iron coated with epoxy powder 300 microns	
4	Limiter	WARAS listed	Dupont Zytel 70G30 HSL NC010		
5	Outlet nozzle	BS EN 10088-3	Stainless steel GX20Cr14	Stainless steel G X5CrNiMo19-11-2 EN10283 (1.4408)	
6	Cap		HDPE		
7	Rubberized disc	BS EN 1563 - BS EN 681-1	Ductile Iron / EPDM		
8	Operating nut	BS 12164	CW 614 N	Bronze LG2	
9	Operating stem	BS EN 10088 - 3	Stainless steel X20Cr13	Stainless steel X2CrNiMo 17-12	
10	Limiter	BS 12164	CW 614 N	Bronze LG2	
11	Wiper ring	BS EN 681-1	EPDM		
12	Drain Valves	WARAS listed	Dupont Zytel 70G30 HSL NC010		
13	Washer	BS 4320	B NAYLON		
14	Spring	EN 10270 - 3	Stainless steel X2CrNi 18-8		
15	Washer	BS EN 681-1	EPDM		
16	"O" Ring Ø75XØ5	BS EN 681-1	EPDM		
17	"O" Ring Ø105XØ5	BS EN 681-1	EPDM		
18	"O" Ring Ø26XØ3	BS EN 681-1	EPDM		
19	"O" Ring Ø23XØ2,5	BS EN 681-1	EPDM		
20	Screw M8x35	ISO 4017	Stainless steel A2 - 70	Stainless steel A4 - 80	
21	Screw M12x40	ISO 4017	Stainless steel A2 - 70	Stainless steel A4 - 80	
22	Screw M12x45	ISO 4017	Stainless steel A2 - 70	Stainless steel A4 - 80	
23	Washer A12	ISO 7089	Stainless steel A2	Stainless steel A4	
24	Nut M12	ISO 4032	Stainless steel A2	Stainless steel A4	
25	Screw M8x16	ISO 4762	Stainless steel A2 - 70	Stainless steel A4 - 80	
26	Sealing Nut	BS 12164	CW 614 N	Bronze LG2	
28	Washer A24	ISO 7089	Stainless steel A2	Stainless steel A4	

## Technical characteristics

- Factory Test pressure:
  - Body: 25 bar (EN 12266 rate A – ISO 5208 rate A)
  - Shutter: 18 bar (EN 12266 rate A – ISO 5208 rate A)
- Coating: fusion bonded epoxy powder in accordance with UBA, WRAS
- Standard: BS 750 – EN 1074-6
- Maximum service temperature: 60° C
- Head losses in full open position: Kv = 96,4
- Operating turns: 8
- Operating cap: pyramidal to BS 750
- Flanges: BS EN 1092-2 ; BS 10 ; Table D and E 3" and 3.5", ISO PN10/16
- Maximum allowable pressure (PFA): 16 bar
- Nozzle type: 2 ½ inches London round thread to BS 750
- Size range: DN80

## Hydraulic characteristics



*The information on this sketch is, to the best of our knowledge correct at the time of printing. However Saint-Gobain are constantly looking at ways of improving their products and services therefore reserve the right to change without prior notice, any of the data shown. Any orders placed will be subject to our Standard Conditions of Sale, available on request.*