

# Pillar hydrant

## Mod. PF-SAFE 247

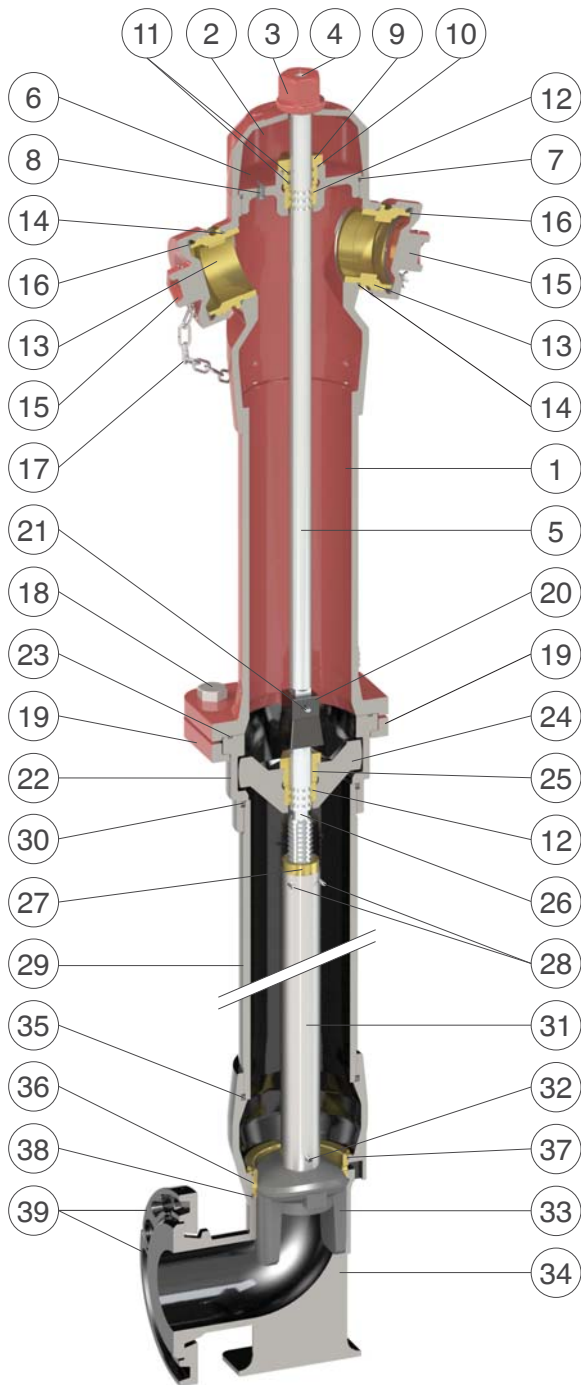
The PF pillar fire hydrant Mod. PF-SAFE 247 is composed of an upper body and an underground part, entirely made in ductile cast iron and stainless steel, joined together by a breakable system activated in case of impact of a vehicle. Designed in keeping with the applicable European standards this model features apparent outlets and an exclusive anti-leakage and surge prevention vibration proof obturator, housed inside the duck foot bend supplied as a standard with the hydrant.



### Technical features and benefits

- Upper body in ductile cast iron GJS 450-10 PN 16 bar rated, red RAL 3000 polyester powder coated for the maximum resistance to UVA exposure.
- Underground part composed of duck foot bend, barrel, driving box, adjustable flanges entirely made in ductile cast iron black or blue epoxy paint coated.
- Exclusive PF breaking system simple and reliable.
- Pentagonal caps machined to avoid and limit as much as possible unauthorized water consumption.
- Anti-freezing device.
- Internals in stainless steel to increase resistance to corrosion, safety and performances over time.
- Exclusive winged shaped obturator, with core in ductile cast iron NBR or EPDM coated to avoid water hammer effect during opening and closing, minimize vibrations during usage and prevent water loss through the anti-freezing hole.
- Sealing seat obtained by a ring threaded directly inside the PF duck foot bend, supplied as a standard with the hydrant and designed to reduce head loss and avoid damages also in case of stones, debris coming through the hydrant.
- The operating female screw pinned directly to the stand pipe for the highest resistance and safety.

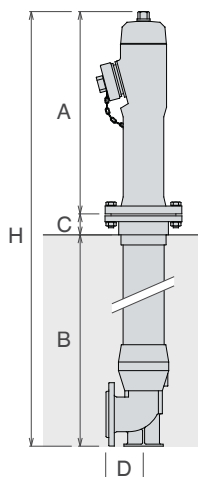
## Technical details



N.	Component	Material
1	Body	GJS 450-10
2	Cap	GJS 450-10
3	Operating nut	GJS 450-10
4	Screw	stainless steel
5	Stem	stainless steel
6	Guiding bonnet	GJS 450-10
7	O-ring gasket	NBR
8	Venting valve	NBR
9	Sealing screw	brass
10	O-ring gasket	NBR
11	O-ring gaskets	NBR
12	Half sleeves	brass
13	Fittings	brass
14	O-ring gaskets	NBR
15	Caps	GJS 450-10
16	Plane gaskets	EPDM
17	Chains	stainless steel
18	Screws and nuts	stainless steel
19	Breakable semi-flanges	GS 20
20	Connection sleeve	GJS 450-10
21	Cotter pin	stainless steel
22	Driving box	GJS 450-10
23	O-ring gasket	NBR
24	Equipped stem holder	GJS 450-10
25	Setting screw	brass
26	Operating stem	stainless steel
27	Female screw	bronze
28	Pins	stainless steel
29	Barrel	steel
30	O-ring gasket	NBR
31	Stand pipe	galvanized steel
32	Cotter pin	stainless steel
33	Obturator	GJS 450-10 NBR/EPDM coated
34	Duck foot bend	GJS 450-10
35	O-ring gasket	NBR
36	Sealing ring	bronze
37	O-ring gasket	NBR
38	O-ring gasket	NBR
39	Adjustable flanges	GJS 450-10

The list of materials and components is subject to changes without notice.

Model	A mm	B mm	C mm	D mm	H mm	Ø <sub>cap</sub> *• } { à^i à à^Op	Ø <sub>fl</sub> *^•	Y cē Kg
247 80A		736			1468			52
247 80B	682	886	50	130	1618	2Ø70	DN 80	56
247 80C		1036			1768			60
247 80D		1186			1918			63
247 100A		767			1499	2Ø70		70
247 100B	682	917	50	130	1649	+	DN 100	76
247 100C		1067			1799	1Ø100		81
247 100D		1217			1949			86



### Working conditions

Treated water maximum 70°C.

### Pressure testing

Test of mechanical resistance with obturator fully open at 25 bar and with obturator fully closed at 20 bar.

### Standard

Designed in compliance with EN 1074/6 and EN 14339.

Flanges according to EN 1092/2.

Polyester painting red RAL 3000 and epoxy black. Variations on the flanges and painting available on request.