

## Pillar fire hydrant Mod. PF-SAFE 247-S

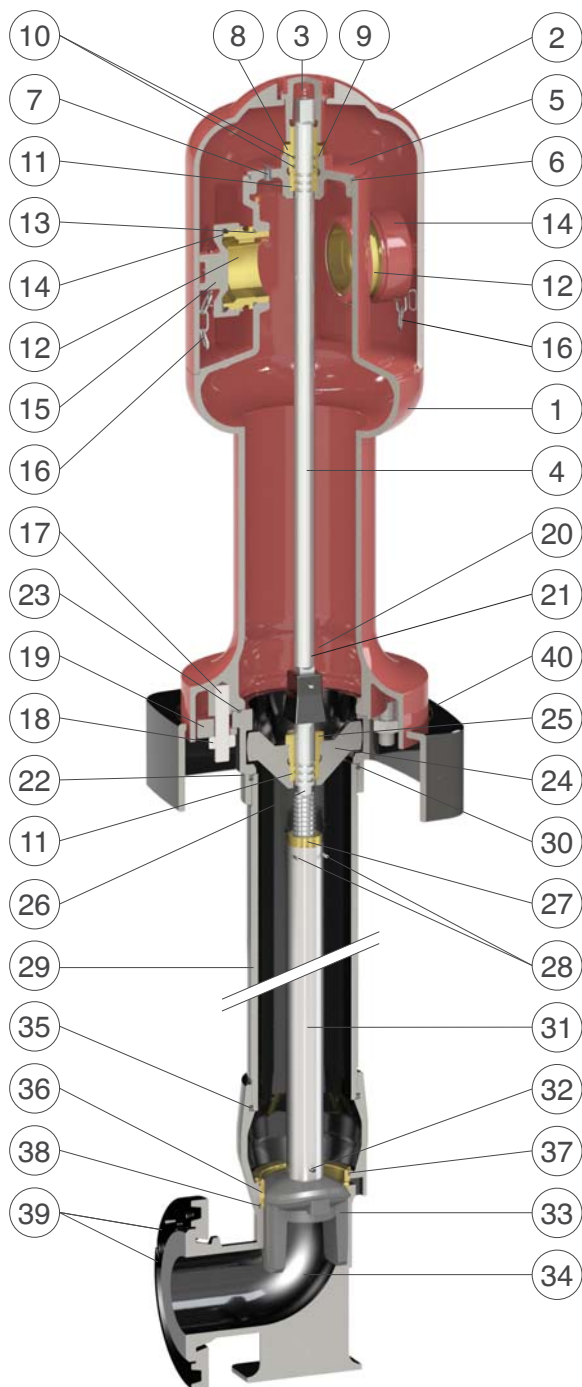
The PF pillar fire hydrant Mod. PF-SAFE 247-S is composed of an upper body and an underground part, entirely made in ductile cast iron and stainless steel, joined together by a breakable system activated in case of impact of a vehicle. Designed in keeping with the applicable European standards this model includes a protecting hood to avoid unauthorized water consumptions 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, painted with red RAL 3000 polyester powder coated for the maximum resistance to UVA exposure.
- Protecting hood in ductile cast iron designed to minimize the environmental impact.
- Underground part composed of duck foot bend, barrel, driving box, adjustable flanges entirely made in ductile cast iron black or blue epoxy powder coated.
- Exclusive PF breaking system simple and reliable.
- Anti-freezing device.
- Nuts and bolts in stainless steel.
- Internals in stainless steel to maximize 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 leakage.
- 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.

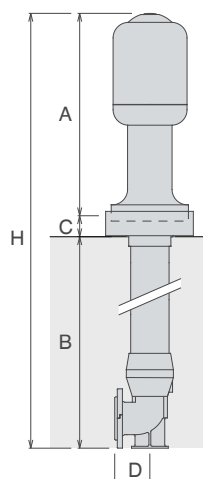
## Technical details



N.	Component	Material
1	Body	GJS 450-10
2	Hood	GJS 450-10
3	Hood sealing nut	GJS 450-10
4	Stem	stainless steel
5	Guiding bonnet	GJS 450-10
6	O-ring gasket	NBR
7	Venting valve	NBR
8	Sealing screw	brass
9	O-ring gasket	NBR
10	O-ring gaskets	NBR
11	Half sleeves	brass
12	Fittings	brass
13	O-ring gaskets	NBR
14	Caps	GJS 450-10
15	Plane gaskets	EPDM
16	Chains	stainless steel
17	Studs	stainless steel
18	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/ductile cast iron
30	O-ring gasket	NBR
31	Stand pipe	stainless 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
40	Adjusting baseboard	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	$\frac{D_{max}}{D_{min}}$	$\frac{D_{max}}{D_{min}}$	Y Kg
247-S 80A		513			1281			67
247-S 80B	678	663	50	130	1431	2Ø70	DN 80	69
247-S 80C		813			1581			73
247-S 80D		963			1731			76
247-S 100A		673			1377	2Ø70		89
247-S 100B	680	823	50	130	1527	+	DN 100	95
247-S 100C		973			1677	1Ø100		100
247-S 100D		1123			1827			105



### 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.