



Pillar fire hydrant Mod. Apollo RPC

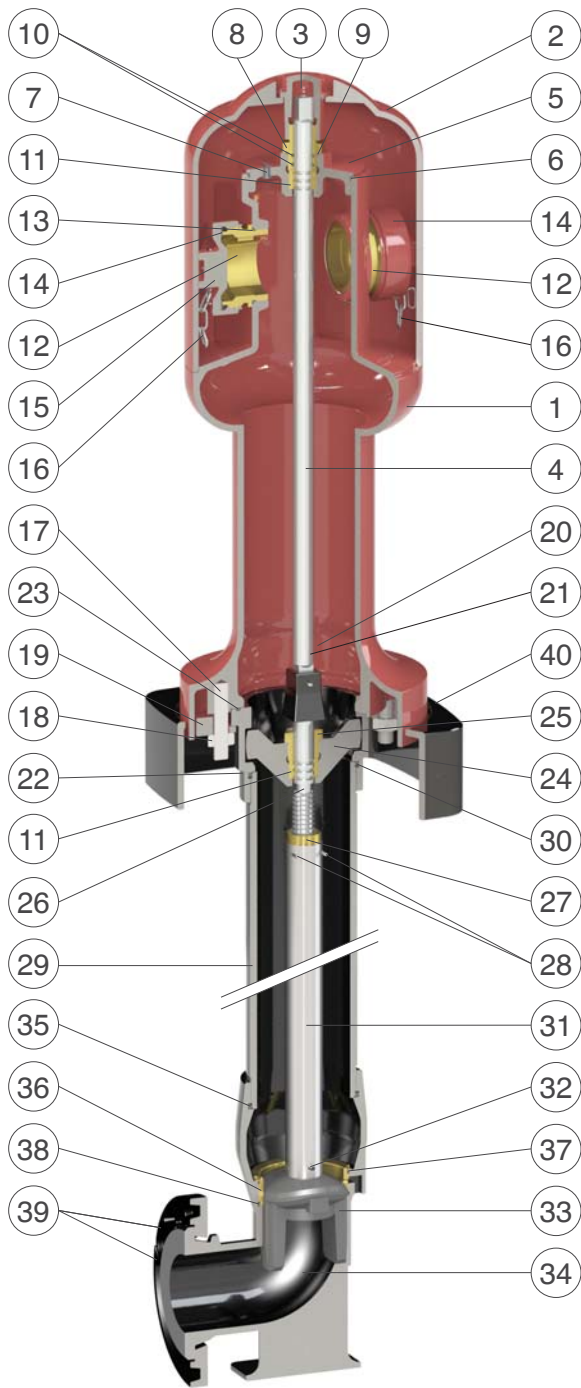
The CSA pillar fire hydrant Mod. Apollo RPC is composed of an upper body and an underground part, entirely made in ductile cast iron and stainless steel, joined together by a breakable system activated in case of impact of a vehicle. Designed in keeping with the applicable European standards this model 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 500/7 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 CSA 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 CSA 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.

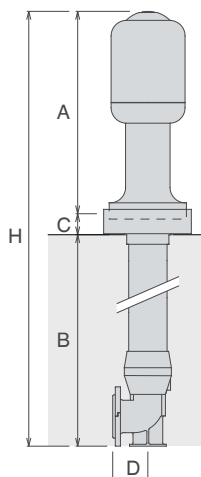
Technical details



N.	Component	Material
1	Body	GJS 500-7
2	Hood	GJS 500-7
3	Hood sealing nut	GJS 500-7
4	Stem	stainless steel
5	Guiding bonnet	GJS 500-7
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 500-7
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 500-7
21	Cotter pin	stainless steel
22	Driving box	GJS 500-7
23	O-ring gasket	NBR
24	Equipped stem holder	GJS 500-7
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 500-7 NBR/EPDM coated
34	Duck foot bend	GJS 500-7
35	O-ring gasket	NBR
36	Sealing ring	bronze
37	O-ring gasket	NBR
38	O-ring gasket	NBR
39	Adjustable flanges	GJS 500-7
40	Adjusting baseboard	GJS 500-7

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

Model	A mm	B mm	C mm	D mm	H mm	Fittings number and DN	Flanges	Wt. Kg
RPC 80X		690			1475			63
RPC 80A		800			1585			67
RPC 80B	735	1010	50	130	1795	2Ø70	DN 80	69
RPC 80C		1240			2025			73
RPC 80D		1440			2225			76
RPC 100X		690			1515			84
RPC 100A		790			1615	2Ø70		89
RPC 100B	775	1030	50	180	1855	+	DN 100	95
RPC 100C		1230			2055	1Ø100		100
RPC 100D		1430			2255			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.