

Technical data sheet

Type C201 / C201C RB

Control valve

Altitude valve pilot operated - bottom-fill version

NB : Additional information is available on the data sheet listed as «Main valve».

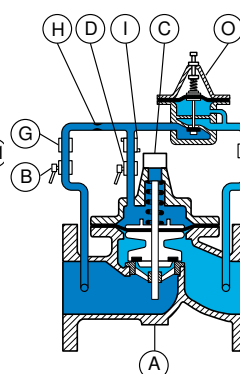
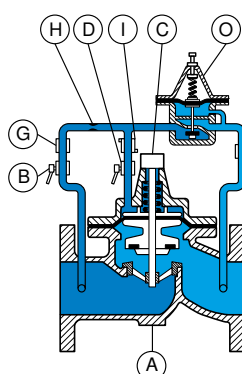
Applications and general characteristics



- It prevents from overflowing and maintains a constant level in the tank thanks to the pilot.
- Re-openings of the valve at about 30 cm below the high level.
- This type of valve should be used when the supply pressure is much higher (1 bar) than the head of the full tank.
- Equipped with check valves, it closes automatically in case of backflow (C201C).
- Approvals : ACS - WRAS

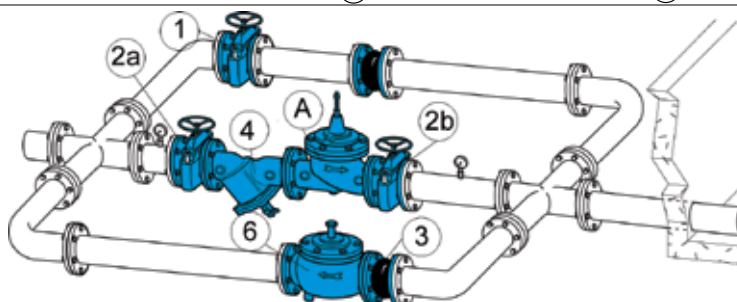
Working principle

Bottom-fill version :
No pressure plug from pilot to tank.
As soon as the level in the tank goes down, pilot O begins to open. The upper chamber empties partly, the tank is being supplied..



Bottom-fill version :
No pressure plug from pilot to tank.
As soon as the maximum level is reached, the spring of the pilot is compressed, the pilot closes. The upstream pressure applies on the membrane of valve A which closes.

Installation example and spare parts list



Setting range :

- 1,5 à 13 m
- 13 à 27 m (standard)
- 20 à 55 m

Installation :

- install a strainer upstream
- horizontal setting up : the cap of the valve should be oriented to the top and inclined at 45° maximum.
- vertical setting up : change the spring of the main valve (option 7)

Other types :

- C201S, C201DS, C201M, C221, C221C, C221S

N°	Description	Materials
A	Main valve	Ductile iron (except DN 125 : cast iron)
B	Upstream isolation valve	nickel-plated brass
B1	Downstream isolation valve	nickel-plated brass
C	Position indicator with drain	Stainless steel - brass
D	Chamber isolation valve	nickel-plated brass
G	Filter	Laiton
H	Orifice-needle valve	Stainless steel or brass
I	Flow control	Brass
O	Pilot C201	Brass-stainless steel-bronze
1	Isolation valve of the pump	
2a	Upstream isolation valve of the main water pipe	
2b	Downstream isolation valve of the main water pipe	
3	Rubber expansion joint	
4	Filter	
6	Check valve of the by-pass	