

Technical data sheet

Type C601

Control valve

Electric pump protection

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

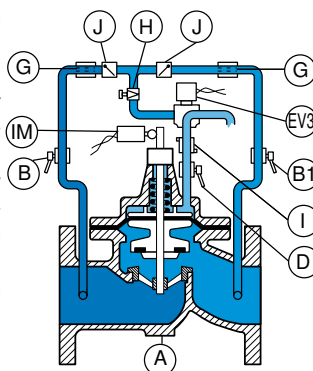
Applications and general characteristics



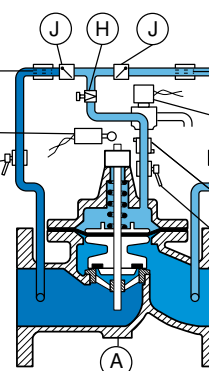
- Eliminates all pressure fluctuations which occur when pump starts or stops.
- The actuation of the valve is positioned in the electric circuit of the pump ; the valve opens and closes at a low and controlled velocity at opening and closing stage of the pump.
- PFA : depends of the solenoid valve
- Approvals : ACS - **WRAS**

Working principal

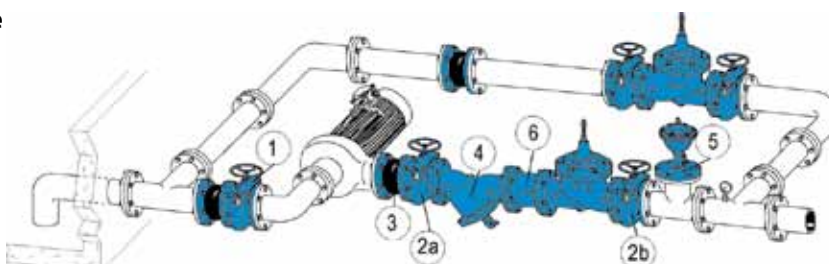
The pump starts, the valve is closed.
The solenoid valve EV3 reacts so that the upper chamber communicates to the atmosphere.
The water flows slowly out of the upper chamber, slowed down by the flow control I.
The valve A opens slowly.



The pump stops, the solenoid valve EV3 is switched off first. It put the upstream in communication with the upper chamber ; the valve begins slowly to close, slowed down by the needle valve H.
When the valve A closes, the limit switch IM turns off the pump.



Installation example and spare parts list



Installation :

- install a strainer upstream
- install an air relief valve downstream or at the high point near the control valve.
- 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 :

- C601DW

N°	Description	Materials
A	Main valve	Cast iron
B	Upstream isolation valve	nickel-plated brass
B1	Downstream isolation valve	nickel-plated brass
D	Chamber isolation valve	nickel-plated brass
EV3	3-ways solenoid valve	Brass-stainless steel
G	filter	Laiton
H	orifice-needle valve	Brass-stainless steel
I	Flow control	brass
IM	Mechanical position indicator	Brass-stainless steel
J	Non return valve	Brass-stainless steel-bronze
1	Isolation valve of the pump	
2a	Upstream isolation valve of the main water pipe and of the pump	
2b	Downstream isolation valve of the main water pipe	
3	Rubber expansion joint	
4	Filter	
5	Single function air valve	
6	Check valve of the pump	