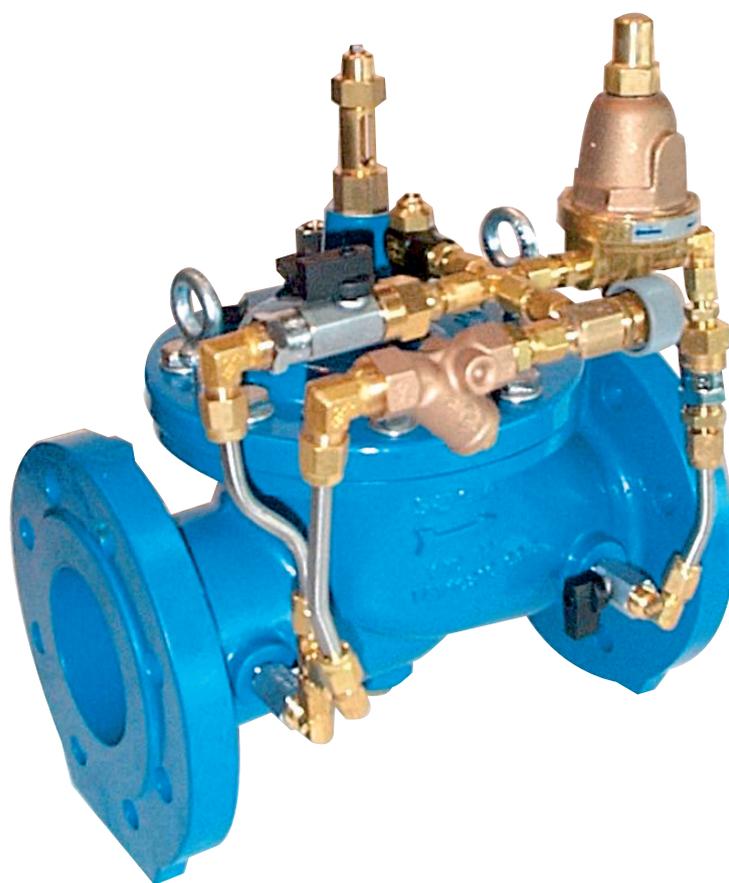


C 101 DS

Control valve

Pressure reducing valve with double direction flow

Technical data sheet



Description

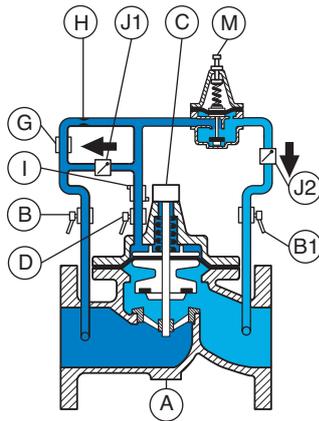
NB : Additional information is available on the data sheet listed as «Main valve».



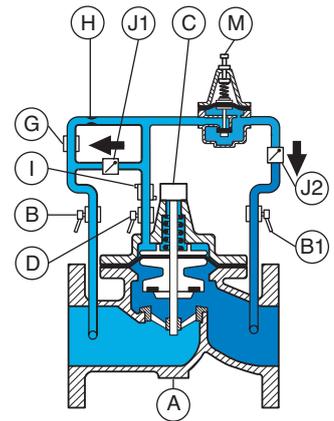
- This valve controls and maintains a preset reduced downstream pressure regardless of variations in demand and upstream pressure (the setting of downstream pressure is always below the upstream pressure).
- Equipped with 2 check valves, it opens fully when upstream pressure is lower than downstream pressure.
- It allows to decrease the pressure in a secondary network or in a tank. When the upstream pressure is getting lower than downstream pressure, the flow rate in the secondary network or in the tank reverses.

Operation

By standard working, the upstream pressure is higher than the downstream pressure, check valve J1 is closed and check valve J2 is open. The main valve A is working like a pressure reducing valve C101.

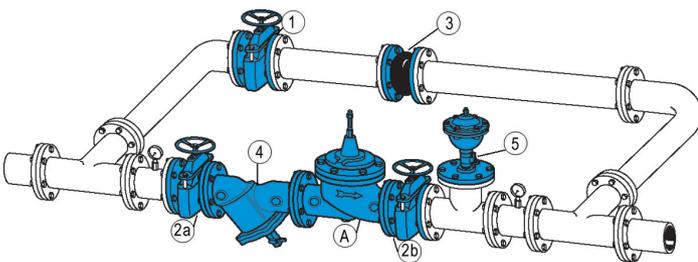


When the upstream pressure is getting lower than the downstream pressure, check valve J2 closes. Check valve J1 opens and allows the upper chamber to empty. The main valve A opens.



Installation

C 101 - Schéma d'installation de la vanne de régulation



Setting range :

- 0,4 up to 5,51 bar
- 1,72 to 8,5 bar (standard) • 2,06 to 24,5 bar

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 :

- FKM seals in the main valve and in the pilot.
- 304 stainless steel pilot and 316Ti stainless steel fittings.

Agréments

ACS

Nomenclature

N°	Désignation	Matériaux
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 or brass
D	Chamber isolation valve	nickel-plated brass
G	Filter	Brass
H	Orifice needle valve	Stainless steel or brass
I	Flow control	Brass
J1	Check valve	Brass-stainless steel-bronze
J2	Check valve	Brass-stainless steel-bronze
M	Pilot valve C101	Brass-stainless steel-bronze
1	Isolation valve of the by-pass	
2a	Upstream isolation valve of the main water pipe	
2b	Downstream isolation valve of the main water pipe	
3	Rubber expansion joint	
4	Filter	
5	Single function air valve	

Les descriptions, photographies et illustrations contenues dans cette fiche technique sont fournies seulement à titre informatif et ne sont pas contractuelles. Socla se réserve le droit d'apporter toute modification technique ou esthétique à ses produits sans aucun avertissement préalable. Garantie : toutes les ventes ou contrats de vente sont expressément conditionnés à l'acceptation par l'acheteur des conditions générales de vente Socla figurant sur notre site internet. Socla s'oppose ainsi à toute autre modalité, différente ou additionnelle des modalités Socla, quel que soit le support de communication de l'acheteur dans laquelle elle est contenue ainsi que sa forme, à moins d'un accord écrit spécifique signé par un dirigeant de Socla.



A WATTS Brand

Socla sas

365 rue du Lieutenant Putier • 71530 Virey-Le-Grand • France

Tél. +33 03 85 97 42 00 • Fax +33 03 85 97 42 42

contact@wattswater.com • www.socla.com

ISO 9001 version 2015 / ISO 18001