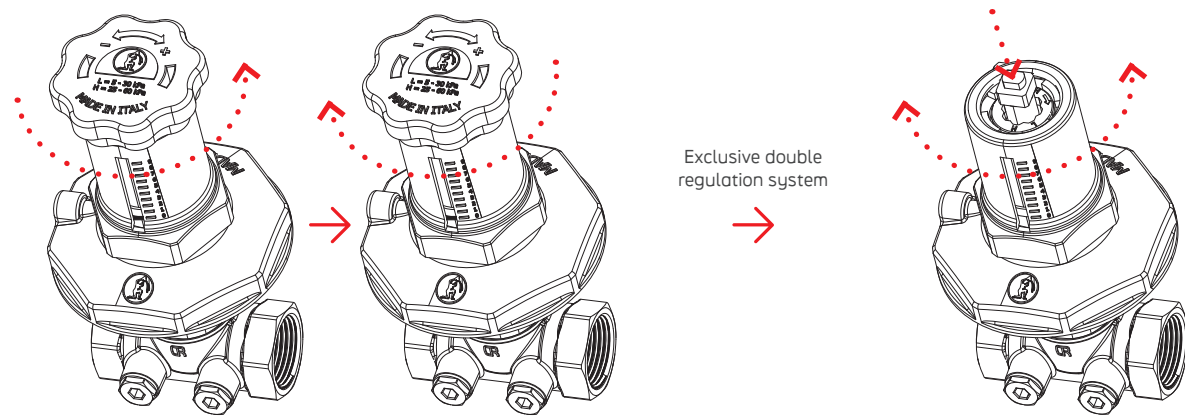




THE DOUBLE REGULATION SYSTEM

- The double-spring system enables the valve to control two different pressure ranges: 5-30 kPa and 25-60 kPa
- Generally other products can work only in one of these two fields
- The wanted range can be set by removing the red handle and adjusting the white ring on LOW or HIGH position (watch the clip on Giacomini Youtube channel: youtu.be/cRqPWhCdcFs).



EN00002 - September 2016



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giacomini.com



A piece of life.



NEW GIACOMINI R206C. PERFECT BALANCE.



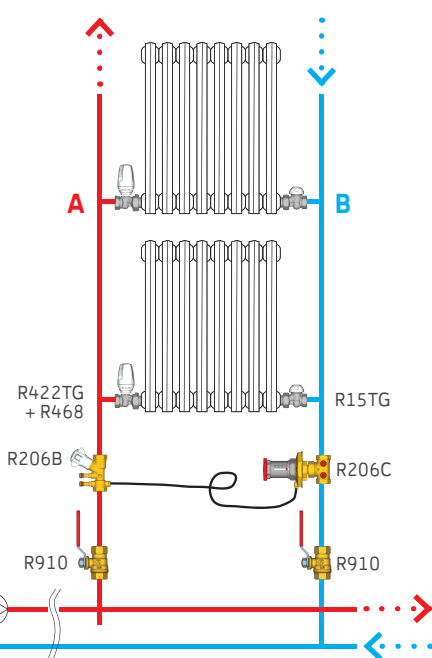
Giacomini's research lab developed R206C, the differential pressure controller able to balance every system while guaranteeing first-class performances in terms of comfort and energy saving. The exclusive double regulation field makes planners, distributors and installers' work much easier. R206C is part of Giacomini's wide range of solutions dedicated to circuit balancing. Cutting-edge products now part of your life. *Giacomini, a piece of life.*

DESCRIPTION

The **R206C** balancing valve is a **differential pressure controller** designed to keep the system pressure steady thus independently from the flow of the plumbing circuit. The double spring inside R206C enables to have **two regulation ranges**, a unique feature of this Giacomini product. The nominal differential pressure can be then regulated on a constant basis from 5 to 30 kPa in the "L" (Low) mode, or from 25 to 60 kPa in the "H" (High) mode.

Technical data

version	code
R206CY103	DN15 (1/2") - Kv 2,24
R206CY104	DN20 (3/4") - Kv 3,49
R206CY105	DN25 (1") - Kv 5,92
R206CY106	DN32 (1 1/4") - Kv 6,95
R206CY107	DN40 (1 1/2") - Kv 11,72
R206CY108	DN50 (2") - Kv 12,97



OPERATION

The R206C balancing valve is to be installed on the return circuit of the system and must always be combined to the R206B static balancing valve, installed on the delivery circuit and set on the project max flow, to which it is connected by a copper capillary pipe.

An elastic membrane (1) moves the stopper (2) as the result of two contrasting forces: from the bottom, the water pressure in the return pipe (B) which tends to open the valve, from above the water pressure of the flow pipe (A) carried back by the capillary pipe.

The opening and/or closing movement of the stopper is activated by two springs (3) properly preadjusted by the installer through the regulation handle (4). The double spring enables to control two regulation ranges ("L" Low and "H" High) with one single valve.

R206C CONTROLS THE DIFFERENTIAL PRESSURE BETWEEN A AND B

A delivery water pressure (through capillary pipe)

B return water pressure

REGULATION

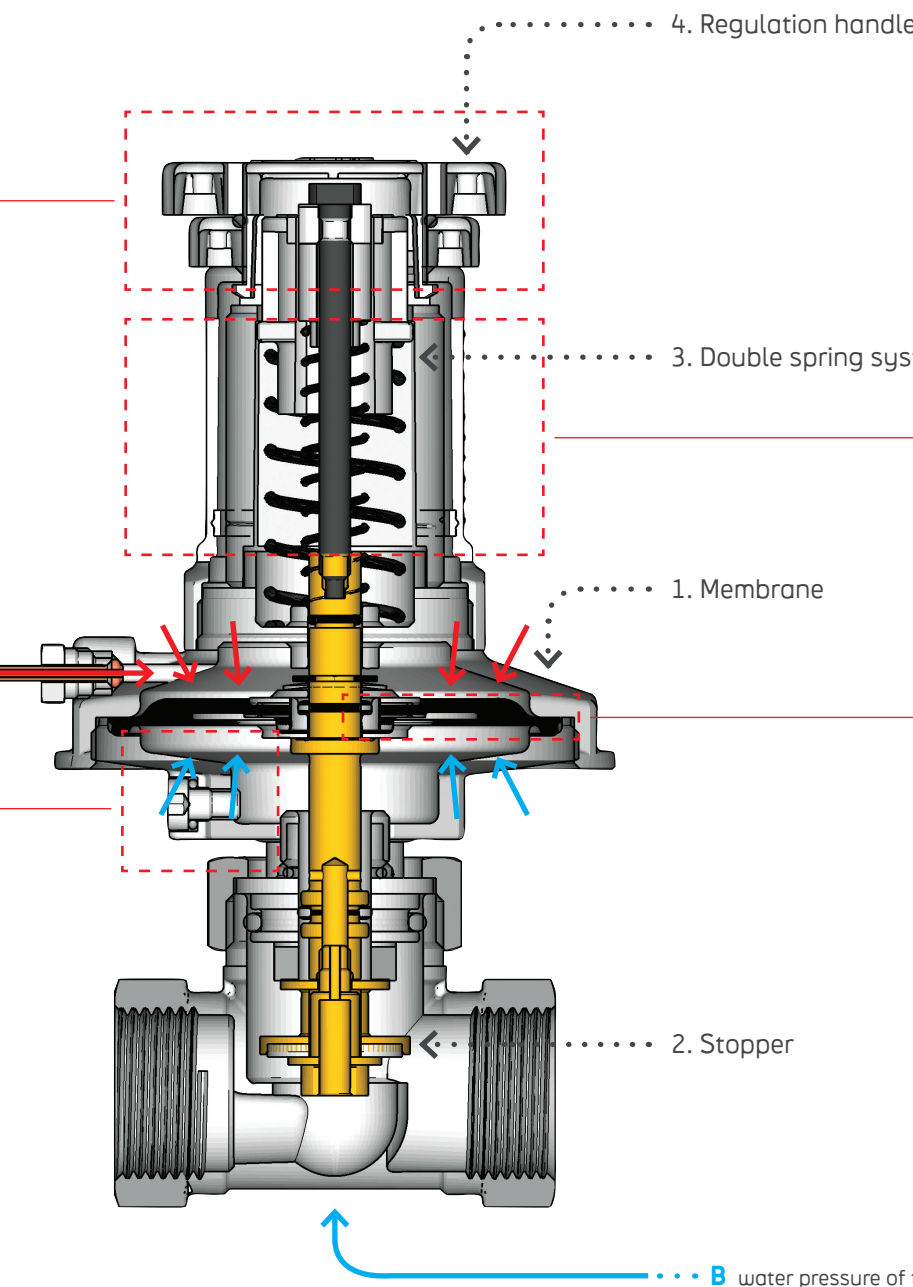
it allows to set the wanted Δ_p before installation



water pressure of the delivery pipe **A** (through capillary pipe)

AIR VENT SYSTEM

it enables venting air from underneath the membrane



DOUBLE SPRING SYSTEM

it permits to have a double regulation range C with a single valve. This is a Giacomini-exclusive feature

MEMBRANE

it is the most important part of the valve as it is the component that "feels" the differential pressure Δ_p . A larger membrane determines greater accuracy. This is the reason why Giacomini has chosen this solution.