

Certifications

Giacomini SpA has an Integrated Management System certified by ICIM for Quality, Environment, Health and Safety at Work.



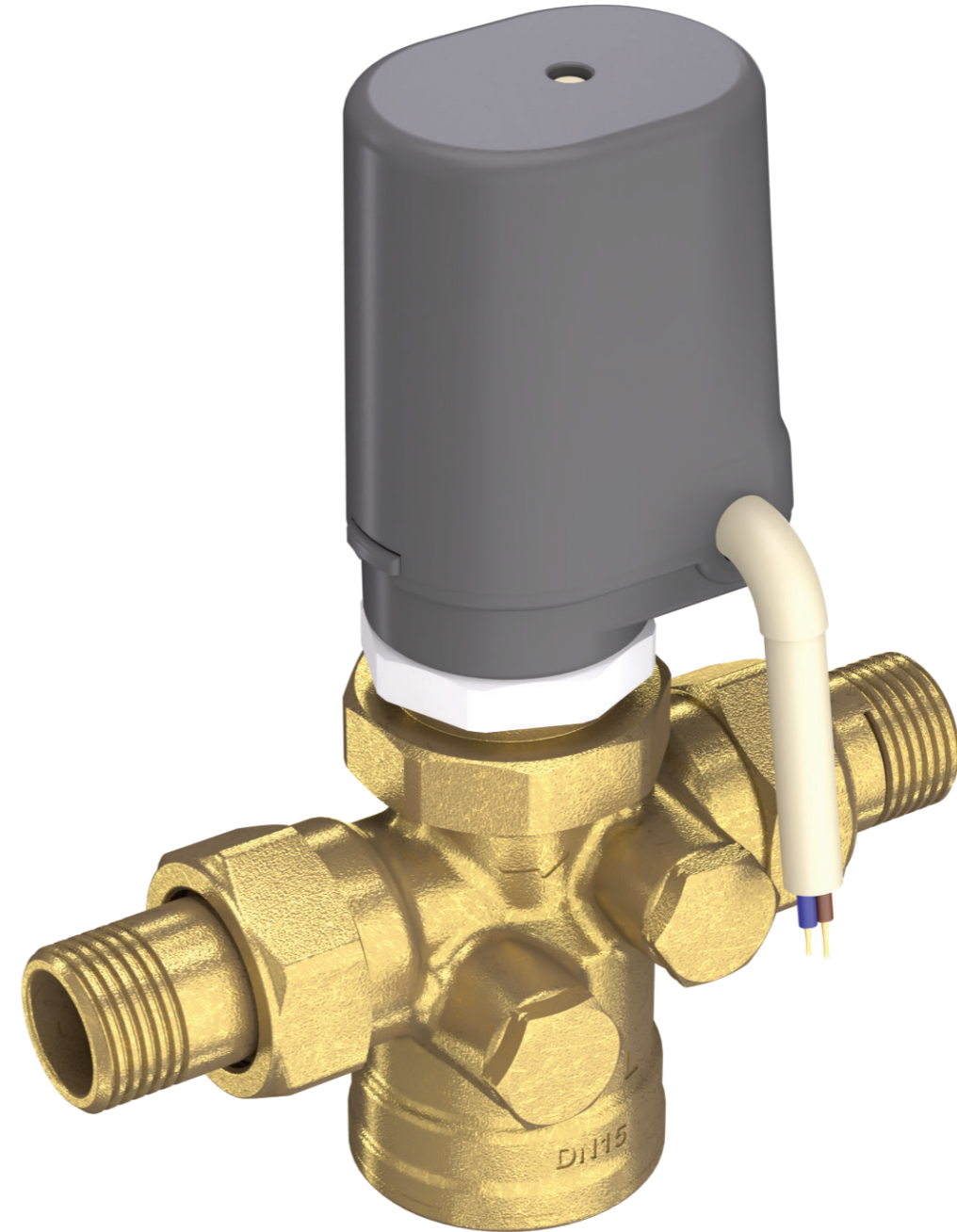
UNI EN ISO 9001: 2008
Quality Management Systems

UNI EN ISO 14001: 2004
Environmental Management
Systems

OHSAS 18001: 2007
Occupational Health
& Safety Management Systems

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R206A

New Pressure
Independent
Control Valve
(PICV)



High-performance components for water and energy management

R206A | NEW PRESSURE INDEPENDENT CONTROL VALVE (PICV)



WHY CHOOSE R206A NEW PICV?

- ▶ STATIC OR DYNAMIC ON/OFF CONTROL
- ▶ QUICK PRESETTING AND COMMISSIONING
- ▶ ACHIEVE ENERGY SAVING
- ▶ OPTIMAL TEMPERATURE CONTROL
- ▶ EASY AND RELIABLE SIZING
- ▶ PREVENTS OVERTEMPERATURES
- ▶ COMFORT INDOOR LIVING EXPERIENCE FOR ALL FAMILY

▶ THE PRESSURE INDEPENDENT CONTROL VALVE R206A (PICV), COMBINES AN AUTOMATIC CONTROL OF THE FLOW RATE WITH A CONTROL OF THE VALVE THROUGH AN ACTUATOR.

THE VALVE IS ABLE TO REGULATE THE FLOW RATE AND KEEP IT CONSTANT AS THE DIFFERENTIAL PRESSURE CONDITIONS VARY WITHIN THE HYDRAULIC CIRCUIT IN WHICH IT IS INSTALLED.

THE VALVE CAN BE USED WITH TWO OPERATING MODES:

- INDEPENDENT CONTROL OF THE PRESSURE (WITH K281 ACTUATOR INSTALLED) IN ACCORDANCE WITH THE THERMAL LOAD REQUIREMENTS OF THE CIRCUIT SECTION TO BE CONTROLLED;
- LIMITATION OF THE FLOW RATE AND/OR SHUT-OFF OF THE FLUID (WITHOUT ACTUATOR OR WITH R473 THERMO-ELECTRIC ACTUATOR INSTALLED).

FLOW RATE ADJUSTMENT IS GUARANTEED WITHIN THE DECLARED DIFFERENTIAL PRESSURE RANGE, WITH A MAXIMUM ERROR OF $\pm 10\%$ ON THE CONTROLLED FLOW RATE VALUE.

▶ Versions and product codes

PRODUCT CODE	DN	CONNECTIONS	INDICATOR COLOUR	WORKING FLOW RATE RANGE [l/h]		WORKING DIFFERENTIAL PRESSURE RANGE [kPa]	
				L (LOW)	H (HIGH)	WITH R473 THERMO-ELECTRIC ACTUATORS	WITH K281 ACTUATOR OR WITHOUT ACTUATOR
R206AY103	15	G 1/2" M with tail pieces	BLUE	50÷400 l/h	200÷800 l/h	25÷400 kPa	25÷800 kPa
R206AY104	20	G 3/4" M with tail pieces	BLACK	50÷700 l/h	400÷1300 l/h	25÷400 kPa	25÷800 kPa
R206AY105	20	G 1" M with tail pieces	BLACK	50÷700 l/h	400÷1300 l/h	25÷400 kPa	25÷800 kPa

▶ Accessories



R473 | THERMO-ELECTRIC ACTUATOR 24V/230 V, NORMALLY CLOSED, ON/OFF TYPE



K281 | ACTUATOR 24 V FOR PROPORTIONAL LINEAR FLOW RATE CONTROL (0-10 V)



R453 | ADAPTER RING 1430 X 1.5 MM FOR R473 THERMO-ELECTRIC ACTUATOR



P206 | PAIR OF PRESSURE OUTLETS

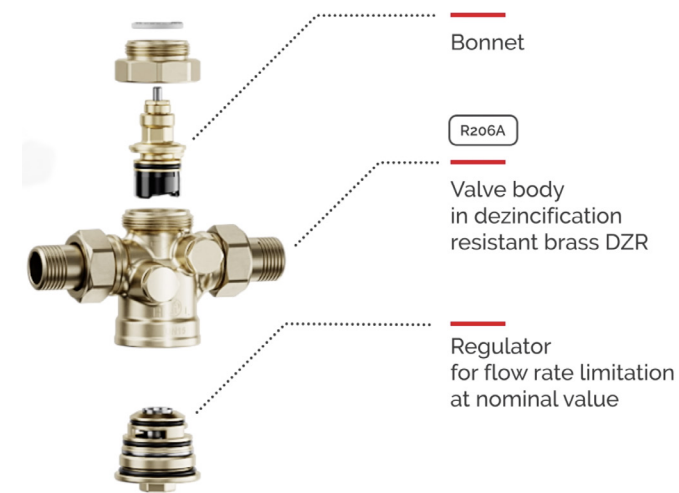


R225E | DIFFERENTIAL PRESSURE GAUGE WITH PROBE

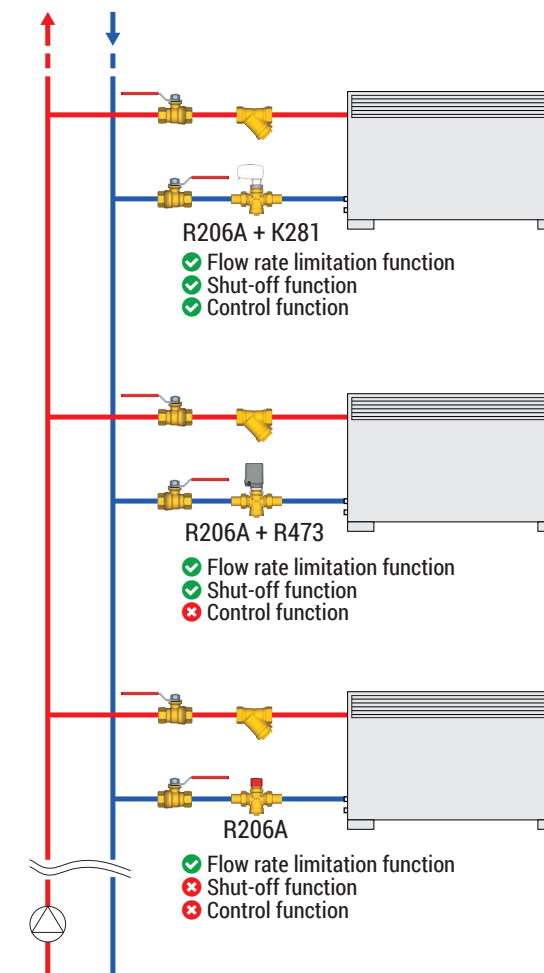


R73P | REGULATION KEY FOR THE PRESETTING OF THE FLOW RATE

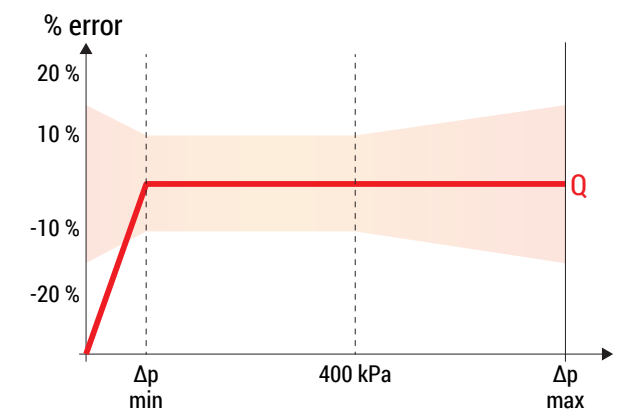
▶ Components



▶ Application diagram with fan coil system



▶ Regulation precision



▶ Related Balancing Valves



R206C | DIFFERENTIAL PRESSURE CONTROLLER
R206C BALANCING VALVES CONTROL THE DIFFERENTIAL PRESSURE MAINTAINING IT CONSTANT WITH ANY FLOW. THE NOMINAL DIFFERENTIAL PRESSURE CAN BE CONTROLLED ON A CONSTANT BASIS FROM 5 TO 30 KPa IN "L" MODE (LOW) OR FROM 25 TO 60 KPa IN "H" MODE (HIGH). THE ADJUSTMENT VALUE IS SPECIFIED IN THE DIAGRAM. THE ORIGINAL FACTORY NOMINAL SET POINT IS SET TO THE MINIMUM. THE INCLUDED 1 M CAPILLARY PIPE SHOULD BE CONNECTED TO THE CIRCUIT CONTROL VALVE WITHIN THE FLOW.



R206B | STATIC BALANCING VALVE
BALANCING IS ESSENTIAL TO SAVING THE ENERGY USED IN HYDRONIC SYSTEMS. THE R206B ARE STATIC BALANCING VALVES, THAT ALLOW A GRADUAL AND PRECISE REGULATION OF THE FLOW RATE. THE R206B VALVES HAVE A FLOWMETER WITH CALIBRATED ORIFICE (VENTURI PRINCIPLE), THAT IS WITH FIXED KV. THROUGH THE PRESSURE OUTLETS (DEPENDING ON THE VERSIONS THEY ARE PROVIDED WITH OR THEY ARE OPTIONAL ACCESSORY) AND A DIFFERENTIAL MANOMETER, IT ALLOWS TO CAREFULLY MEASURE THE FLOW RATE ACTUALLY CIRCULATING.