

P206CFL

Differential pressure control valve DCV



Energy
Management

Datasheet
0981ML 06/2025



P206CFL modulating valve balances and controls the differential pressure (DPCV) automatically and proportionally. The valve balances the flow in the main network or in the single risers and branches of a heating/cooling system, controls and keeps the differential pressure over the load at a stable value, reducing the risk of noisiness and wear of the thermostatic control valves.

Moreover, correcting the imbalances of the supply between the user units assures a better environmental comfort together with an optimization of the energy consumption.

The regulation range of the differential pressure delivered is comprised between 20÷100 kPa or 80÷160 kPa for DN65-100 and between 20÷100 kPa for DN125-150.

Does not require an external energy supply.

Accessories

- Pressure gauge probe adaptor.
- Fitting, adapter, compression fitting, copper capillary pipe, test plug.

Versioni e codici

Versions and product codes

- PRODUCT CODE	MISURA - SIZE	CAMPO Δp - Δp RANGE [kPa]	PESO - WEIGHT [kg]	Kv
P206CY306	65	20÷100	21,6	44,5
P206CY308	80		28,1	78,3
P206CY310	100		33,6	104,6
P206CY312	125		46,4	152,3
P206CY315	150		75,4	204,0
P206CY316	65	80÷160	21,6	52,0
P206CY318	80		28,1	83,7
P206CY320	100		33,6	106,7

Technical data

Performance

- Fluids: water, water-glycol mix (max. 50 % glycol)
- Max. working temperature: -10÷120 °C
- Max. working pressure: 16 bar
- Controllable diff. pressure range for DN65-100: 20÷100 kPa or 80÷160 kPa
- Controllable diff. pressure range for DN125-150: 20÷100 kPa

Materials

- Body: cast iron
- Seal: EPDM

NOTE. Data of the project to be supplied while ordering:

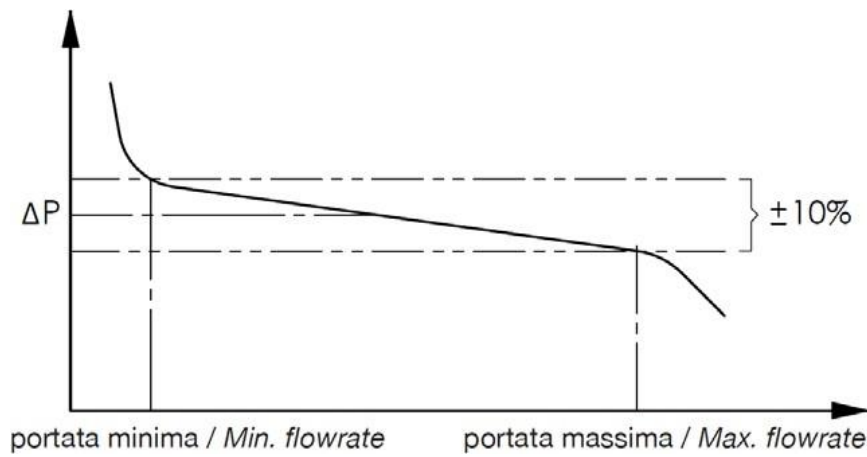
- Nominal flow.
- Differential pressure of the user unit ΔP .

WARNING. In order to grant that valve works properly, it is important to assure that the differential pressure ΔH user unit connection to the riser (upstream of the valve) has at least the double value of the differential pressure ΔP across the user unit ($\Delta H > 2,5 \times \Delta P$).

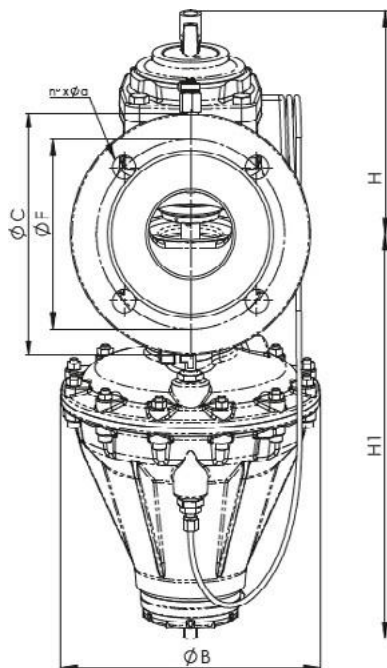
Working range

PRODUCT CODE	MISURA SIZE	PRESSIONE DIFFERENZIALE - DIFFERENTIAL PRESSURE Δp [kPa]										
		20	30	40	50	60	80	100	120	140	160	
P206CY306	65	1	1	1,5	1,5	1,5	1,5	1,5	-	-	-	Min. flow rate [m³/h]
		40	60	65	65	75	75	75	-	-	-	Max. flow rate [m³/h]
P206CY308	80	1,2	1,5	1,5	1,5	1,5	1,5	1,5	-	-	-	Min. flow rate [m³/h]
		60	70	85	85	85	85	85	-	-	-	Max. flow rate [m³/h]
P206CY310	100	1,5	2	2	2	2	3	3	-	-	-	Min. flow rate [m³/h]
		100	120	120	120	120	120	120	-	-	-	Max. flow rate [m³/h]
P206CY312	125	3	4	4	4	5	5	5	-	-	-	Min. flow rate [m³/h]
		110	140	140	150	170	170	170	-	-	-	Max. flow rate [m³/h]
P206CY315	150	4	5	5	5	5	7	7	-	-	-	Min. flow rate [m³/h]
		120	160	160	200	230	230	230	-	-	-	Max. flow rate [m³/h]
P206CY316	65	-	-	-	-	-	2	2	2	3	3	Min. flow rate [m³/h]
		-	-	-	-	-	75	75	75	75	75	Max. flow rate [m³/h]
P206CY318	80	-	-	-	-	-	3	3	3	3	4	Min. flow rate [m³/h]
		-	-	-	-	-	100	100	100	100	100	Max. flow rate [m³/h]
P206CY320	100	-	-	-	-	-	3	3	3	4	4	Min. flow rate [m³/h]
		-	-	-	-	-	140	140	140	150	150	Max. flow rate [m³/h]

Min. flow rate / Max. flow rate



➤ Dimensioni



➤ Dimensions

CODICE PRODUCT CODE	MISURA SIZE	LUNGH. LENGTH [mm]	H [mm]	H1 [mm]	B [mm]	C [mm]	F [mm]	n x D [mm]
P206CY306 R206CY316	DN65	290	170	310	200	185	145	4 x 18
P206CY308 R206CY318	DN80	310	182	400	242	200	160	8 x 18
P206CY310 R206CY320	DN100	350	200	414	242	220	180	8 x 18
P206CY312	DN125	400	275	436	242	250	210	8 x 18
P206CY315	DN150	480	300	460	242	285	240	8 x 22

⚠ Safety Warning. Installation, commissioning and periodical maintenance of the product must be carried out by qualified operators in compliance with national regulations and/or local standards. A qualified installer must take all required measures, including use of Individual Protection Devices, for his and others' safety. An improper installation may damage people, animals or objects towards which AKTAS Global Machines. may not be held liable.

♻ Package Disposal. Carton boxes: paper recycling. Plastic bags and bubble wrap: plastic recycling.

🗑 Product Disposal. Do not dispose of product as municipal waste at the end of its life cycle. Dispose of product at a special recycling platform managed by local authorities or at retailers providing this type of service.

ℹ Additional information. For more information, go to giacomini.com or contact our technical assistance service. This document provides only general indications. AKTAS Global Machines. may change at any time, without notice and for technical or commercial reasons, the items included herewith. The information included in this technical sheet does not exempt the user from strictly complying with the rules and good practice standards in force.