

TACOCONTROL PRO

PROPORTIONAL FLOW CONTROLLER



Regulation of the domestic hot water temperature in conjunction with a plate heat exchanger.

DESCRIPTION

The independently regulating proportional flow controller is used for regulating the domestic hot water temperature in conjunction with a plate heat exchanger. Its capacity corresponds to the hot water demand of a single family home or an average apartment in a multi-story residential building. The controller operates on a pressure-controlled basis. This means that flow on the primary side through the plate heat exchanger is only enabled when hot water is drawn on the secondary side. This function avoids standby losses and calcification at the plate heat exchanger.

INSTALLATION

Variable. Only the arrow indicating the direction of flow of the medium needs to be noted.

OPERATION

Pressure-controlled regulation of the primary flow rate in accordance with the secondary flow rate (dispensing volume). The primary flow rate is interrupted after the water is drawn. This helps avoid standby losses and calcification at the plate heat exchanger.

ADVANTAGES

- Energy efficient as no auxiliary energy is required for regulating
- High level of control accuracy and constant water temperatures
- Low pressure loss
- No standby losses at the heat exchanger
- Lower limescale deposits at the heat exchanger
- Drinking water certificate DVGW

BUILDING CATEGORIES

For domestic hot water installations in conjunction with a plate heat exchanger:

- Decentralized fresh hot water stations
- Decentralized heat interface units

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TENDER TEXT

See www.taconova.com

TECHNICAL DATA

General

- Max. operating temperature $T_{0\ max}$:
 - Primary: 90 °C
 - Secondary: 60 °C
- Max. operating pressure $P_{0\ max}$:
 - Primary and secondary: 10 bar
- Test pressure $P_{B\ max}$: 16 bar
- Packaging dimensions:
 - H80 × W56 × L228 mm
- Weight: 1266 g
- Connections: Male thread 3/4"
- k_{vs} (primary): 4.1
- k_{vs} (secondary): 2.1
- Flow rate secondary (linear control):
 - min. 2.5 l/min
 - max. 16 l/min
- Flow rate secondary: max. 22 l/min
- Cold water pressure secondary:
 - min. 1 bar
- Primary pressure for optimal control:
 - max. 6 bar

Material

- Brass: CW617N / CW614N
- Stainless steel: 1.4404 / 1.4310 / 1.4568
- O-rings: EPDM / NBR
- POM

Flow media

- Drinking water
- Heating water (VDI 2035; SWKI BT 102-01; ÖNORM H 5195-1)

APPROVALS / CERTIFICATES

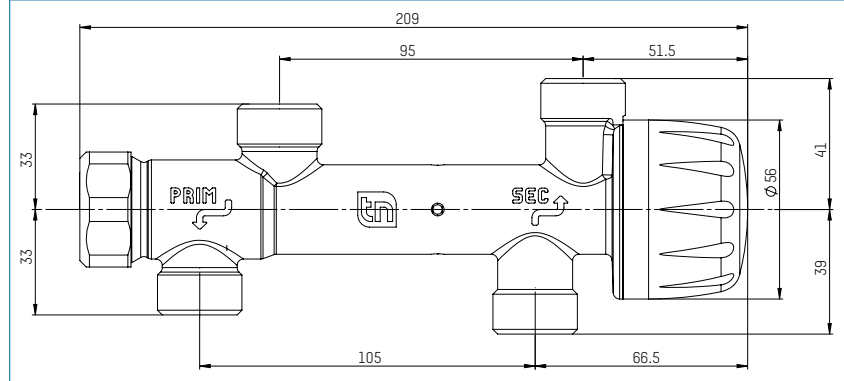
- DVGW

TYPE OVERVIEW

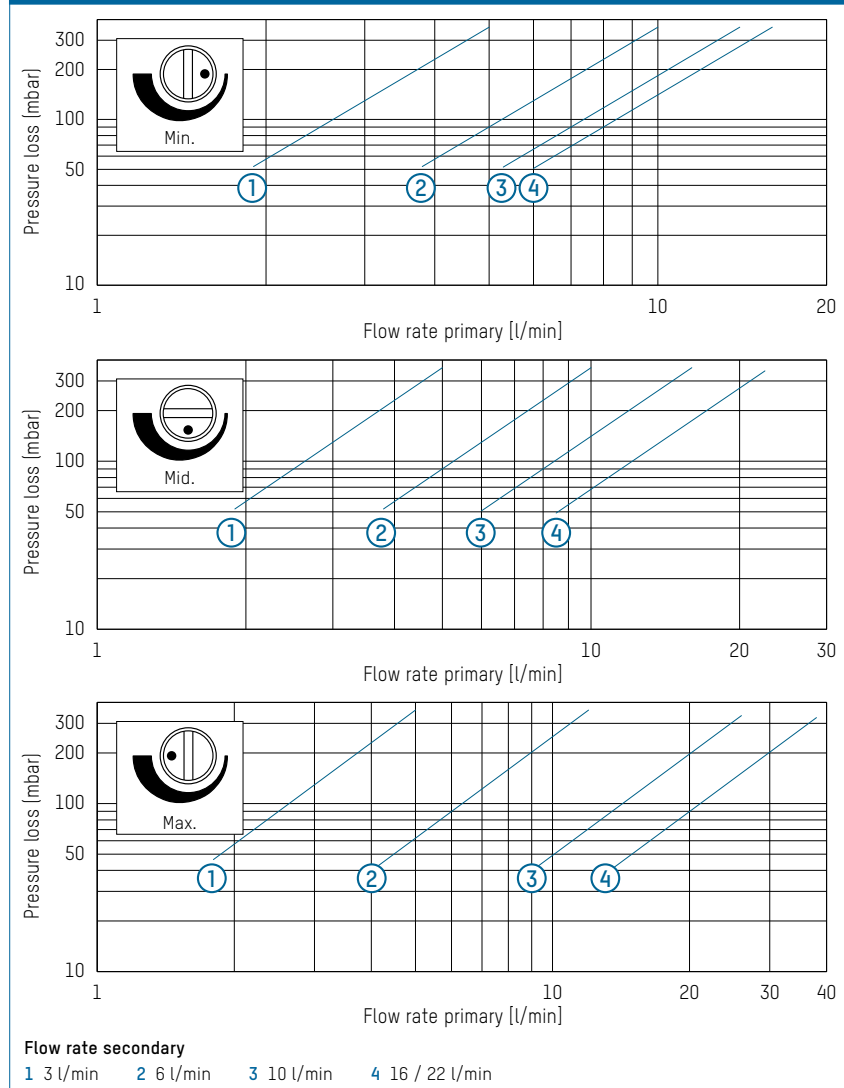
TacoControl Pro | Proportional Flow Controller

Order no.	DN	G
250.5331.000	15	3/4"

DIMENSIONAL DRAWING



FLOW AND PRESSURE LOSS DIAGRAM PRIMARY



CONTACT AND FURTHER INFORMATION

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