

FlowCon DPCV



Differential Pressure Control Valves

Welcome to the FlowCon Differential Pressure Control range. For all, the differential pressure limiting functionality is implemented to prevent potential noise across the controlled circuit, ΔpC . The SDP, EDP and ADP are all members of FlowCon's revolutionary insert-based DPCV series.

FlowCon SDP: Pre-set ΔpC control available in 10, 20 and 30 kPaD (1.45 / 2.90 / 4.35 psid) for basic, tamper proof and cost-effective installations.

FlowCon EDP: Adjustable ΔpC control from 5-100 kPaD (0.725-14.5 psid) for easy, flexible and value-for-money projects.

FlowCon ADP: Combi ΔpC and flow control in a state-of-the-art solution incl. ON/OFF actuator.

- Full **noise protection** down to lowest flow rates in the industry.
- **Compact** design due to rolling diaphragm.
- **Proven** technology - **stable** and **durable**.
- **Value for money** - range presents feature graduation, but all will be differential pressure control solutions.
- **Flexible** due to wide range of inserts and setting span.
- **Easy installation and maintenance** - insert design allows flushing and servicing without valve removal or special tooling.
- **Easy-to-use** - fixed and simple or easy and on-site adjustable setting.
- **Energy efficient** with regulation starting at only 3 kPaD (0.435 psid).

Next to these, FlowCon DPCV-range also includes the universal flanged **FlowCon PIM™-DP** for larger sizes.

FlowCon DPCV

Differential Pressure Control Valves

SDP, EDP and ADP inserts

- **FlowCon SDP** - simple and fixed - covers 20 mm (3/4") inserts with fixed ΔpC of 10 / 20 / 30 kPaD (1.45 / 2.90 / 4.35 psid)
- **FlowCon EDP** - external adjustable - covers three insert sizes; 20 / 40 / 50 mm (3/4", 1 1/2", 2")
- **FlowCon ADP** - advanced external adjustable - includes one 20 mm (3/4") insert.

Housings

Insert-based DPCVs can be used with the following FlowCon housings:

- FlowCon A - DN15-25 (1/2"-1") only for 20 mm (3/4") insert
- FlowCon AB - DN15-50 (1/2"-2")
- FlowCon ABV - DN15-40 (1/2"-1 1/2").

PIM™-DP

FlowCon PIM™-DP is a one-unit flanged DPCV available in sizes: DN65-150 (2 1/2"-6").

Capillary tube

Capillary tube included necessary fittings will as standard follow the FlowCon DPCV-insert or FlowCon PIM™-DP.

Applications

In heating systems the FlowCon DPCVs are primarily used on risers or branches with the aim of maintaining a constant differential pressure between the supply and the return side and reducing the risk of noise.

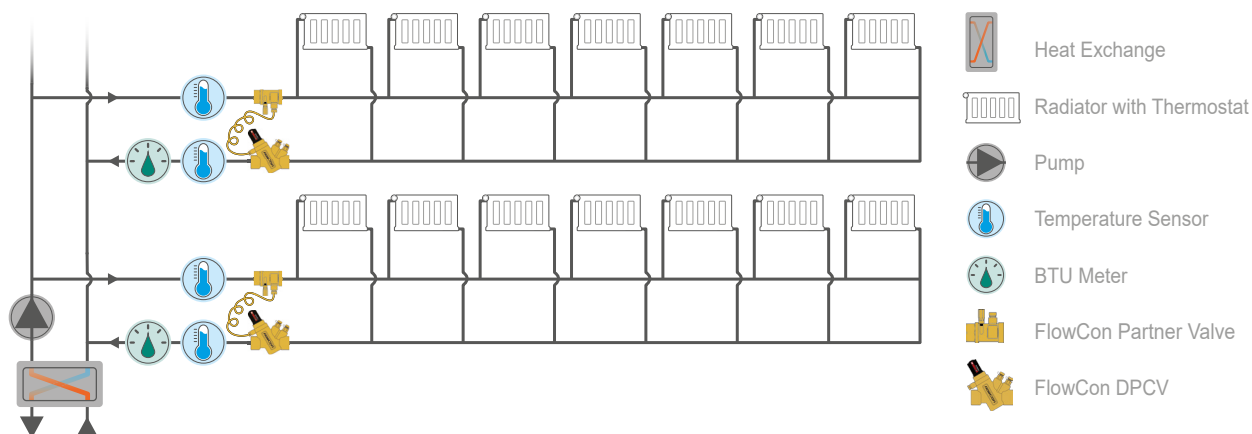
In cooling systems, the FlowCon DPCVs are installed to absorb any pressure fluctuations introduced by system load-changes which leads to better balance and improved energy consumption. FlowCon ADP also fits as zone control in small circuits.



For further information visit www.flowcon.com

Application Example

Radiator System - horizontal system with Differential Pressure Control.



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