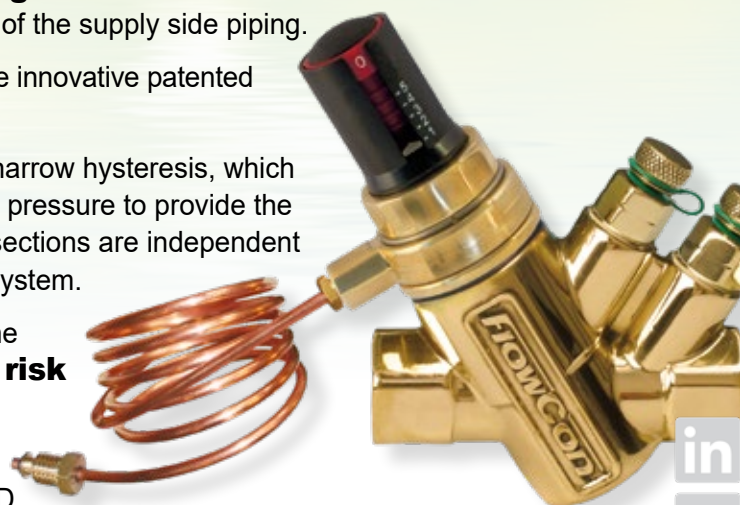




## **Adjustable and Serviceable** Dynamic Differential Pressure Regulator - **FlowCon EDP**

- ⑦ **Well proven insert design with patented diaphragm technology.**
- ⑦ **Compact and robust design**, resistant to dirty water, due to the self-cleaning device. The rolling diaphragm technology prevents small particles from settling on the diaphragm's sides. The insert body, made of injection molded composite material, also makes it difficult for particles to stick. No dirt piles up at 'the bottom of the insert' because flow is always moving from bottom to top and removing the dirt from the insert.
- ⑦ **Anti-Cavitation design.** The design of the rolling diaphragm and the diffusion zone of the insert reduces the influence of cavitation processes during the valve operation and consequently reduces the possibility of noise and vibrations. These unique specifications are maintained throughout the life of the valve as the material used is not subject to erosion.
- ⑦ Suitable for **use without a partner valve**. When setting the calculated  $\Delta p_C$ , the calculated maximum flow in the controlled circuit is also limited. The capillary tube just needs to be connected to the supply pipe.
- ⑦ The **Capillary tube is unlikely to clog** due to the absence of restriction and the recommendation to connect the tube at the top of the supply side piping.
- ⑦ **Wide adjustment range** is provided by the innovative patented double spring technology.
- ⑦ The **accuracy of flow** is  $\pm 5\%$  due to the narrow hysteresis, which means that the EDP absorbs the additional  $\Delta p_H$  pressure to provide the required flow rate. This means that the system sections are independent of each other which is the nature of a dynamic system.
- ⑦ During partial load, the EDP regulates to near the closing point of the valve, which **reduces the risk of noise**.
- ⑦ **Energy efficient** due to minimum differential pressure to activate the valve, 3 kPaD.



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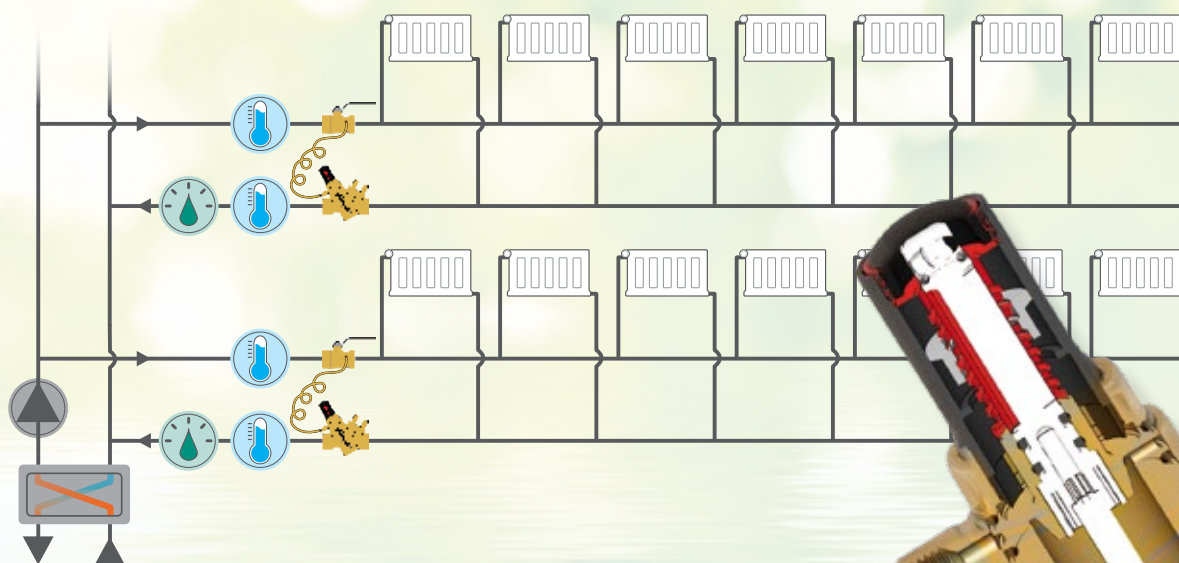
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## **Adjustable and Serviceable** Dynamic Differential Pressure Regulator - **FlowCon EDP**

- ❶ **Universal valve installation** with 360° rotating ring for capillary tube connection.
- ❷ **No straight pipe requirements (5xD)** upstream or downstream of the valve, since the valve is a dynamic differential pressure regulator.
- ❸ **Easy maintenance.** The insert is readily available for service and replacement if needed without dismantling the pipework.
- ❹ **Selection of valve housings**, DN15-50 are available with or without measuring p/t plugs.
- ❺ **PN25**, nominal pressure.



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