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Череповец (8202)49-02-64  
Чита (3022)38-34-83  
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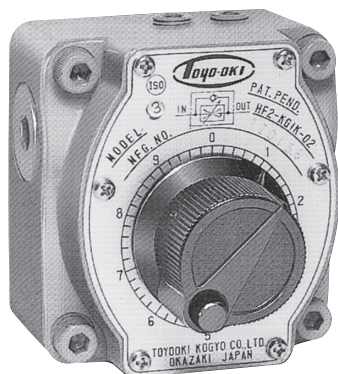
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## SMALL FLOW CONTROL VALVE (HF)

### SMALL FLOW CONTROL VALVE (HF) (WITH PRESSURE AND TEMPERATURE COMPENSATION) SIZE 02



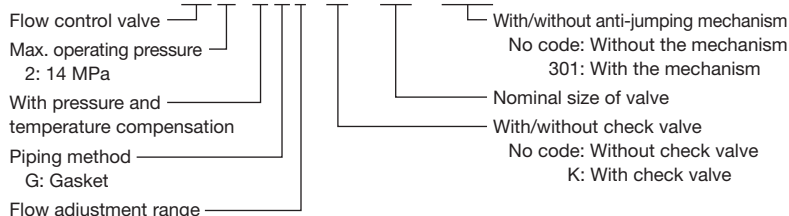
This valve controls flow by changing the cross-sectional area through which fluid flows. Since it incorporates pressure compensation mechanism and temperature compensation mechanism, the flow is kept constant regardless of the pressure variation at the IN and/or OUT port and the viscosity variation due to temperature change.

Flow control is possible from the rate of 30 cm<sup>3</sup>/min by devising the throttle mechanism.

- To achieve good pressure compensation performance, the pressure difference between the IN and OUT ports must be maintained at 0.6 MPa or larger.
- The flow is controlled almost in direct proportion to the division on the flow adjusting dial, and since the dial can be rotated three turns, fine flow adjustment is possible.
- If subplate SHF02-03T1 is necessary, please order one separately.
- Install a filter with a filtering accuracy of approx. 10 μm (H-02019) since the valve controls very small rates of flow.
- When the valve is provided with a check valve, the check valve cracking pressure is 0.04 MPa.
- Option  
Anti-jumping mechanism ... This option restricts jumping or pop-out of the actuator at the start of movement. Please specify “-301” at the end of the model designation.

#### ■Description of the model designation

#### HF2-KG1 (K)-02-(301)

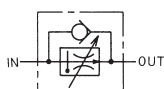


#### Without check valve



| Nominal size | Max. operating pressure (MPa) | Flow adjustment range (L/min) | Model      |
|--------------|-------------------------------|-------------------------------|------------|
| 02           | 14                            | 0.03 to 1                     | HF2-KG1-02 |

#### With check valve



| Nominal size | Max. operating pressure (MPa) | Flow adjustment range (L/min) | Model       | Free flow (L/min) |
|--------------|-------------------------------|-------------------------------|-------------|-------------------|
| 02           | 14                            | 0.03 to 1                     | HF2-KG1K-02 | 30                |