oventrop Hydrocontrol VFC Double Regulating Valve Instruction Manual

Contents

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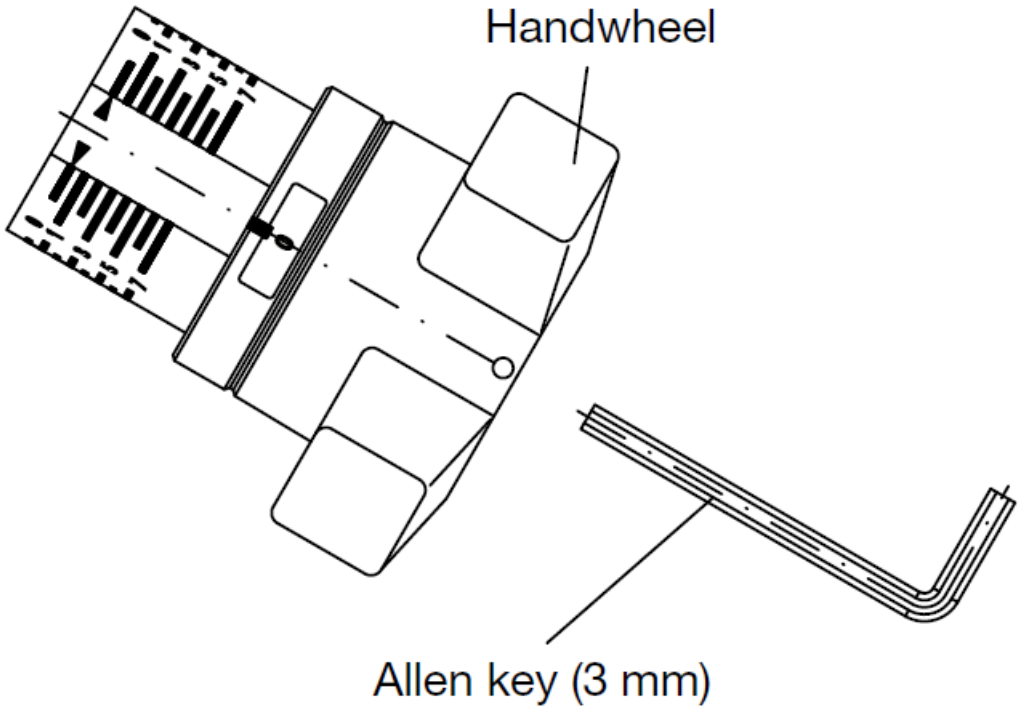
Presetting

Oventrop DRV and commissioning valves are designed for installation in hot water heating and chilled water air conditioning systems and serve to achieve a hydronic balance between the various circuits of the system.
It is important to note that the direction of flow must conform with the direction of the arrow on the valve body and that the valve must be installed with a minimum of 3 D (3 x nominal pipe diameter) of straight pipe in the upstream side. The required preset value can be obtained by reference to the flow chart appropriate for the size of valve. Any inter-mediate preset value is available.

The selected preliminary setting can be made from the two-part scale – the basic scale and the fine adjustment scale. A display of the basic setting is available even with the valve fully closed.



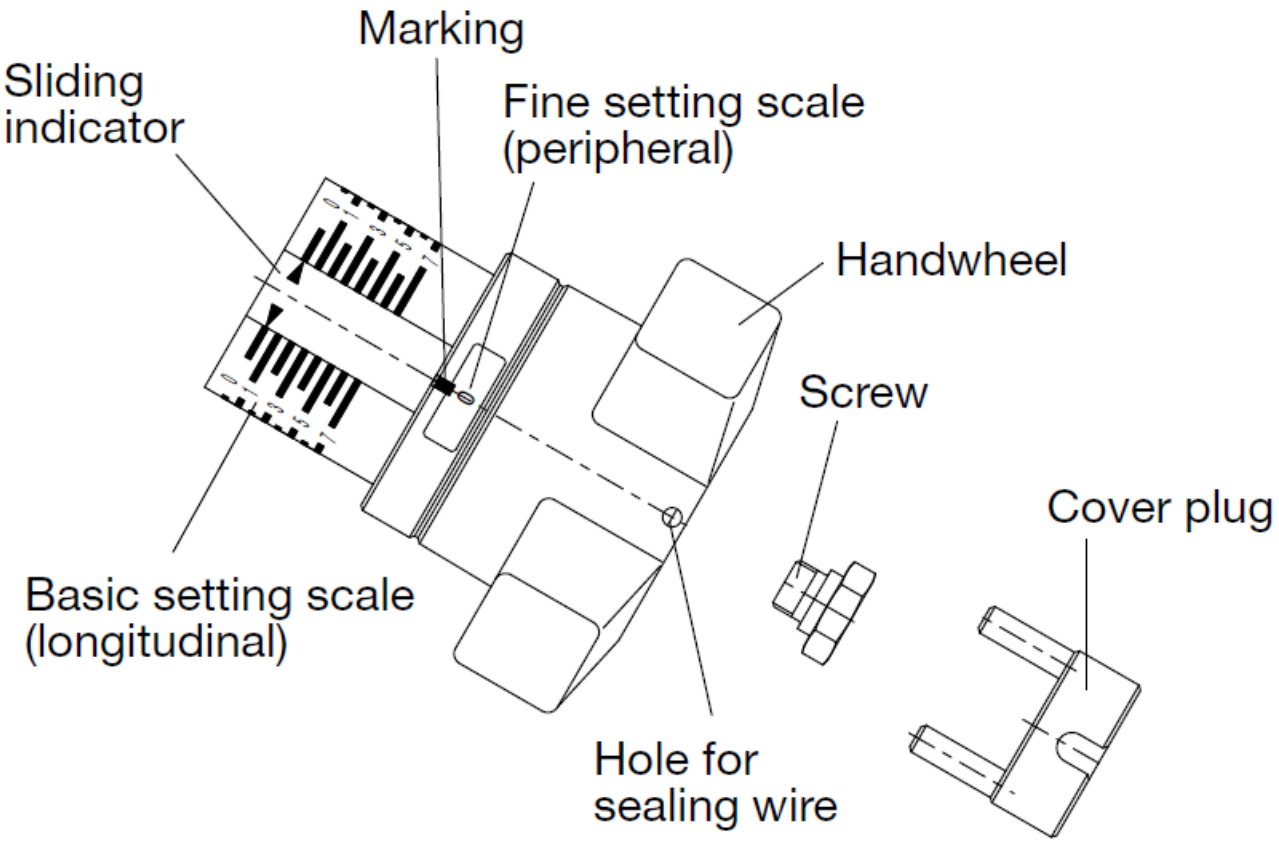
1. The preset value of the valve is adjusted with the handwheel.
   a. The display of the basic setting is shown by the longitudinal scale together with the sliding indicator. Each turn of the handwheel is represented by a line on the longitudinal scale.
   b. The display of the fine setting is shown by the peripheral scale on the handwheel and indicates 1/10th of a turn of the handwheel.
2. With the valve at the required preset value, turn the inner disc clockwise until it seats. This can be done by using the long end of a 3 mm allen key.

Visibility/Readability of setting scales:
Depending on the installation position of the valve, an improvement in the visibility/readability of the setting scales is possible by twisting the scales round. With the valve fully closed and the indicator on ’0’, carefully remove the cover plug in the centre of the handwheel by using a small screwdriver in the slot and gently prising it off. Then remove the cover plug, undo the screw and with a light tug pull the handwheel from the valve spindle.

Next without altering the presetting (still indicating ’0’) adjust the position of the handwheel, so that the indica-tor window is clearly visible.
Finally refit the handwheel to the valve stem, tighten the screw and replace the cover plug.

Protecting the setting:
A sealing wire (accessory item no. 1089091) may be threaded through the hole in the handwheel and a lead seal fitted.

Locking the handwheel:
The handwheel can be locked in any position, by remo-ving the existing protection cover and replacing it with the cover (accessory item no. 1060180). In addition, the locked handwheel can be secured with a sealing wire.



For presetting and fine adjustment of the flow volume, Oventrop offers two types of measuring instruments, i.e:

- ”OV-DMC 2“ flow-meter, an advanced programmable microprocessor with memory store and
- Oventrop electronic differential pressure gauge (without microprocessor or memory)

Subject to technical modification without notice.

For an overview of our global presence visit **www.oventrop.com**

OVENTROP GmbH & Co.KG
Paul-Oventrop-Straße 1
D-59939 Olsberg
Telefon +49 (0)2962 82-0
Telefax +49 (0)2962 82-400
E-Mail **mail@oventrop.de**
Internet **www.oventrop.com**

Documents / Resources

	**oventrop Hydrocontrol VFC Double Regulating Valve** [pdf] Instruction Manual Hydrocontrol VFC Double Regulating Valve, Hydrocontrol VFC, Double Regulating Valve, Regulating Valve, Valve

References

- Oventrop
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