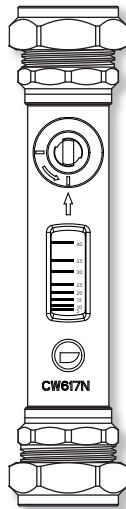


inta

Flow Balancing Valve

INFSV2840 & INFSV2850

Installation and Maintenance Instructions



inta

Intatec Ltd
Airfield Industrial Estate
Hixon
Staffordshire
ST18 0PF

In this procedure document we have endeavoured to make the information as accurate as possible.

We cannot accept any responsibility should it be found that in any respect the information is inaccurate or incomplete or becomes so as a result of further developments or otherwise.

Tel: **01889 272 180**
Fax: **01889 272 181**
email: **sales@intatec.co.uk**
web: **www.intatec.co.uk**

Introduction

The Inta flow balancing valves with flow indicator are used to accurately adjust the flow rate of the heating medium supplying the terminal emitters of a system.

The valves are manually adjusted to the required flow rate without the aid of differential pressure gauges and calibration graphs.

The clear window allows for the flow rate to be read easily during valve adjustment and in normal operation.

Valves must be selected to suit the required flow rate.

These instructions cover the installation, operation and maintenance. Please read the enclosed instructions before commencing the installation of this product, please note;

We recommend that the installation of any Inta product is carried out by an approved installer.

It is recommended, especially in hard water areas, that a water softener such as the ActivFlo or ActivFlo lite be fitted to reduce the risk of calcium deposits forming.

Products

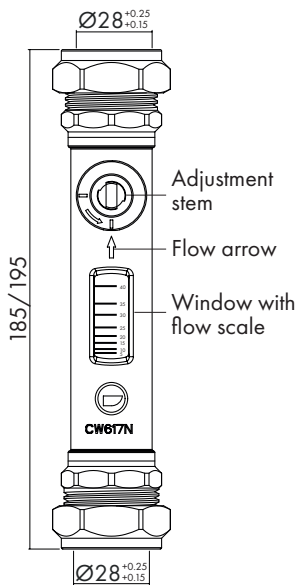
Flow balancing valve with flow indicator - 5 to 40 l/m

INFSV2840

Flow balancing valve with flow indicator - 10 to 50 l/m

INFSV2850

Dimensions



Technical Specification

Maximum operating pressure:	10 bar
Maximum operating temperature:	110 °C
Minimum operating temperature:	-20 °C
Medium:	Water
Maximum glycol solution:	50%
Compression connections to BS EN 1254-2:	28mm

Installation

The system must be thoroughly flushed to remove any debris, metal particles and any other contaminants.

As in all hydraulic circuits it is important to pay attention to the cleanliness of the entire system. For optimum performance any air in the flowing medium must be removed.

To ensure flow measuring accuracy the balancing valve with flow meter must be installed in straight pipe with a minimum length upstream of five pipe diameters and ideally ten pipe diameters if space permits.

The balancing valves must be installed so that the flow direction of the medium coincides with integral flow direction arrow on the body.

Ensure there is easy access to the balancing valve control stem used to regulate the flow rate and to the flow meter to enable the balancing valve to be set.

The balancing valves may be installed in both horizontal and vertical pipes with the flow in any direction provided that it coincides with the flow direction arrow on the valve body.

Flowrate Adjustment

Ensure that the balancing valve selected is suitable for the designed flowrate of the circuit.

Start with the valve in the closed position.

With the system full, the pump running and the air removed use a suitably sized key or adjustable wrench to slowly open the balancing valve.

The bottom of the float indicates the flow rate.

The float/indicator, which is controlled by the spring, becomes visible in the window of the flow meter and lines up with the marks on the scale.

Once the designed flow rate is indicated, stop opening the balancing valve and allow the flow to settle before moving onto the next balancing valve.

Glycol Mixture

Although the density of glycol mixtures is different from that of water, for glycol percentages up to 50%, the accuracy of the balancing valve should not deviate anymore than 10% from the true value.

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Please leave this Manual for the User

To activate your product warranty please visit

www.intatec.co.uk

and click on Product Registration

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Hixon

Staffordshire

ST18 0PF

Tel: **01889 272 180**

Fax: **01889 272 181**

email: **sales@intatec.co.uk**

web: **www.intatec.co.uk**

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17-02-23