

ENGINEERING TOMORROW

Danfoss Dynamic Valve™

# The simple solution to efficient heating

Optimal temperature control and automatic hydronic balancing for two-pipe heating systems – all in a single valve.

# **80-90%** of multi-family buildings

currently have inefficient heating systems, wasting energy and costing their tenants more than they should need to pay.

## Creating a perfectly balanced system

## A specific solution to a specific need

### Automatic hydronic balancing made simple

automatic hydronic balancing valve in a single product offers you a new way to significantly increase the efficiency of twopipe heating systems.

occupant behavior or fluctuations in weather conditions. What's more, individual tenants are unable to disturb complaints and expensive service visits.



is set at the valve on a simple 1-7+N scale.

## The benefits of automatic balancing

Creating an automatic balanced heating system increases comfort by delivering even heat with faster start-up times and consistent temperatures. It also eliminates noise, increases energy efficiency and reduces costs.

Danfoss offers two possible solutions in automatic balancing; For apartment buildings with high pump heads the well-proven, riser-fitted, ASV solution is the best option. For buildings with a pump head capacity of up to 6 meters (60 kPa), the new radiator fitted *Dynamic Valve*<sup>™</sup> delivers the same benefits with a realistic payback time.

Both the new *Dynamic Valve*<sup>™</sup> and the existing ASV solution are part of the Danfoss Renovation<sup>+</sup> concept for renovations or retro-fitting in existing multi-family buildings. twopipesolutions.danfoss.com



## Choosing the correct sensor for your project

The *Dynamic Valve*<sup>™</sup> is available in the most commonly used DN 10 and DN 15 sizes in both angled and straight configurations. With a flow range of 10–135 l/h, it is compatible with the majority of radiator design flows.

Because the valve uses the well-known RA sensor connection, there is a wide range of sensors to choose from. Your individual project requirements will determine the best choice:



RA 2000 For optimum temperature control, choose RA 2000 gas-filled sensors.



**RAE / RAW** When price is important, liquid-filled Danfoss

Simplicity and effectiveness combined

#### Your benefits

- Fast, consistent and comfortable heating
- Reliable and silent heating

RAE or RAW sensors offer an excellent alternative.



RA 2920

For public buildings or other 'heavy-duty' situations the tamper proof sensor provides a robust solution.



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# A proven solution

Although this is a new product, we already have a great deal of evidence of its operational effectiveness and reliability. During the product development process, we conducted field trials involving the installation of 2,200 units.

The test results we gathered during this process represent the most comprehensive pre-launch testing we have ever carried out on a new valve.

### Experience the new Dynamic Valve™ for yourself

To find out more about the new *Dynamic Valve*<sup>™</sup>, speak to your installer, your usual Danfoss contact, or visit our website.

The future of automatic hydronic balancing is here – find out more today.

## dynamic.danfoss.com

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