

ASV automatic balancing valves

## Drive **energy efficiency** and increase **customer satisfaction**

Currently, 80-90% of buildings are equipped with inefficient two-pipe heating systems. They waste precious energy and cause residents to complain about uneven heat distribution, system noise, high energy bills and unfair heat cost allocation.

Danfoss automatic balancing valves (ASV) provide a simple, reliable and cost-effective way to create hydronic balancing in two-pipe heating systems. Only automatic balancing valves solve the technical issue of pressure fluctuations, which are the root cause of system imbalance and all related problems.



Up to

**20%**

energy savings  
through correct  
system balancing.

# 4 good reasons to choose a Danfoss ASV automatic balancing solution

We recommend using ASV automatic balancing valves for balancing your 2-pipe heating system. The ASV automatically creates optimal hydronic balance within the installation, whether under full or partial load.

## Benefits:

1. Fewer complaints
2. Lower maintenance costs
3. Increased indoor comfort
4. Lower energy bills

ASV valves are comprised of an ASV-PV differential pressure controller and an ASV-BD partner valve, connected with an impulse tube. Used together with Danfoss presetting radiator thermostatic valves, they form part of the integrated Danfoss two-pipe solution.

## Choose the ASV-PV to experience its many unique features:

- Visible setting without any tools
- Low build-in height
- Easy and practical flushing function

Next time you are involved in a new-build or retrofit project for a multi-family building, school, office or other public building, we will be pleased to help you design the ideal balanced heating system to meet your customer's goals. Just get in touch!

## ASV technical data

### Nominal diameter

DN 15 - 50

### Connections

Internal thread Rp 1/2" - Rp 2"  
External thread G 3/4" A - G 2" A

### Setting range

5 - 25 kPa  
20 - 60 kPa

### Differential pressure over the valve

10 - 250 kPa

### Max. pressure

PN 16

### Valve body + cone

Brass + DZR brass

### Membrane + o-rings

EPDM



**Danfoss A/S** · Heating Segment · Ulvehavevej 61 · 7100 Vejle · Denmark  
Tel.: +45 7488 8500 · Email: [heating@danfoss.com](mailto:heating@danfoss.com) · [www.heating.danfoss.com](http://www.heating.danfoss.com)

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