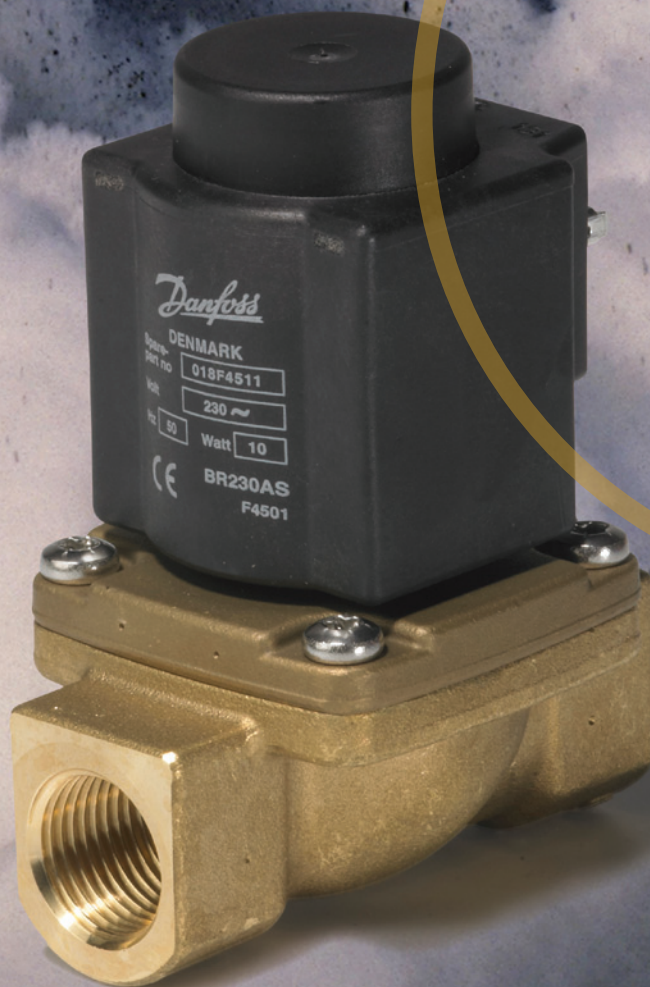


# Tailored to fit your application

## New steam valve range

New highly flexible solenoid steam valve which is less sensitive to dirt and aggressive media



# 3

coil types

and 2 valve bodies can be combined to meet temperatures of 140 °C, 160°C and even up to 185 °C

# A high performance competitor

To help you **improve the system stability** and **reduce the operating costs** of your steam applications, we have launched a new range of steam valves with interchangeable coils. Designed to meet a range of steam process needs, the versatile range combines **flexibility** with **high performance**.

## Applications:

Danfoss steam valves can be used in these and many other steam applications:

- Heating up of water for laundry washers and dishwashers
- Steam injection on industrial flat ironers
- Steam injection on dryers
- Injection of steam into autoclaves and sterilizers
- Steam handling and distribution in boiler room installations



## Your benefits:

### PTFE diaphragm operated design

- Less sensitive to dirt deposits compared with piston-cylinder operated types

### Use of DZR brass body with SS seat:

- Not sensitive to aggressive technical steam:
  - dezincification
  - erosion-corrosion
  - cavitations

### Integrated high tech aflas o-ring:

- Total external tightness from low to very high temperatures

### High flexible Steam Valve Range:

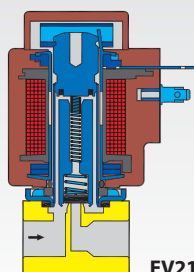
- Two different valve bodies can be combined with three different coils offering temperatures 140°C, 160°C and 185°C

### Easy to mount and service:

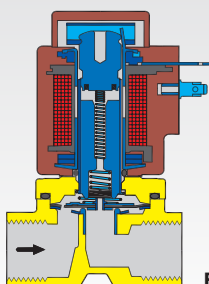
- Clip on coils for use on EV215B and EV225B up to 185°C

### Extra features:

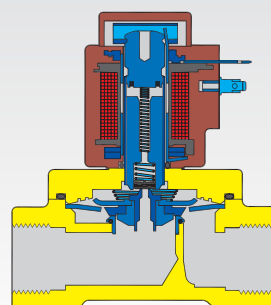
- Enclosure: IP65
- Available with NPT threads
- Available with UL approval



EV215B



EV225B 6-10



EV225B 15-25

# itive steam valve programme

## Technical data



|           |                                    |  |  |
|-----------|------------------------------------|--|--|
| Valve:    | Valve type                         | EV215B                                     | EV225B                                     |
|           | Function                           | Direct operated, Normally closed (NC)      | Servo operated, Normally closed (NC)       |
|           | Connections valve body             | G1/4"                                      | G1/4" - G1"                                |
|           | Medium                             | Steam                                      | Steam                                      |
|           | Max. opening differential pressure | 10 bar                                     | 10 bar                                     |
|           | Min. opening differential pressure | 0 bar                                      | 0.2 bar                                    |
|           | Orifice size                       | 3 mm                                       | 6-25 mm                                    |
|           | Kv-value                           | 0.3  | 0.9 - 6                                    |
|           | Max. media temperature             | 185°C                                      | 185°C                                      |
|           | Min. media temperature             | 0°C  | 0°C  |
|           | Ambient temperature                | Max. 40°C at a medium temperature of 185°C | Max. 40°C at a medium temperature of 185°C |
| Material: | Body                               | Stainless steel                            | DZR brass                                  |
|           | Valve plate                        | PTFE                                       | PTFE                                       |
|           | Internal parts                     | Stainless steel                            | Stainless steel                            |
|           | Diaphragm                          | -  | PTFE                                       |
| Features: | External seal                      | AFLAS                                      | AFLAS                                      |
|           | Coil mounting                      | Clip-on coil                               | Clip-on coil                               |
|           | Media viscosity                    | Max. 50 cSt                                | Max. 50 cSt                                |

## Technical data



|           |                              |                                    |   |   |
|-----------|------------------------------|------------------------------------|---|---|
| Coil:     | Coil type                    | BQ standard steam coil             | BN steam coil                           | BB standard coil for lower steam temperatures         |
|           | Current / suitable for up to | AC voltage / 185°C steam           | DC voltage / 160°C steam.               | AC voltage / 160°C steam.<br>DC voltage / 140°C steam |
|           | Ambient temperature, maximum | 40°C.                              | 40°C.                                   | 40°C  |
| Features: |                              | Polyester:<br>Pocan with graphite. | Polymer material:<br>Polyester - Pocan. | Polymer material:<br>Polyester - Pocan                |



## Here **today.** Here **tomorrow.**

Danfoss is a leading global player within the development and production of mechanical and electronic products and controls. Since 1933, our extensive know-how has made modern life easier and we continue to break new ground within our core business areas.

Every day, more than 250,000 items are produced at 70 factories in 25 countries. Impressive as these figures are, we are most proud of the way our dedicated employees apply the high-quality components in customer solutions, adding value to the end products. Building strong partnerships is of great importance to us, because it is purely by understanding our customers' needs that we can meet the expectations of tomorrow.

This is also true in Industrial Automation, a Danfoss entity dedicated to focusing on the industrial world of today. Through us, you gain access to the entire Danfoss pool of technologies, with special emphasis on sensors and controls.

We offer safer, more reliable and more efficient solutions in a close cooperation based on firm values.