

ENGINEERING  
TOMORROW



Brochure | Danfoss ICS Pilot Valves

# New pilot valves: **Simple selection and full flexibility**

**Single platform**

for all specifications



[pilots.danfoss.com](http://pilots.danfoss.com)

# High-quality **pilot valves** based on patented technology

The new Danfoss Pilot Valve program for ICS control valves is based on our patented and standardized membrane package, which ensures that all valves live up to the renowned Danfoss quality and reliability standards.



**Constant inlet pressure regulator**  
CVP

- 0.66 to 7 bar
- 4 to 28 bar
- 25 to 52 bar

Fully backwards and forwards compatibility offers precise regulation and long service life. With sealable cap and Teflon® spindle sealing.



**Constant pressure differential regulator**  
CVPP

- 0.66 to 7 bar
- 4 to 28 bar

Fully backwards and forwards compatible pilot valve with sealable cap and Teflon® spindle sealing.



**Constant reference pressure regulator**  
CVC

- 0.66 to 7 bar
- 4 to 28 bar

Fully backwards and forwards compatible pilot valve with sealable cap and Teflon® spindle sealing.



Replaces Danfoss CVQ pilot valve

**Motorized pilot valve and constant inlet pressure regulator**  
CVE

- 0.66 to 8 bar

Offers fast, precise and fail-safe (with EVM in serial connection) regulation based on field-proven design. Comes in stainless steel housing with 4-20 mA input signal, which can be operated directly from a PLC.



## Simple selection – full flexibility

The new Danfoss Pilot Valve program for ICS control valves consist of just 4 fully backwards-compatible valves, which cover all regulation types and ranges needed in ammonia and CO<sub>2</sub> applications.

# Danfoss Industrial Refrigeration

## A world of expertise at the click of a button

Turn to Danfoss if you want to combine quality components with expert knowhow and support. Try out these free tools, designed to make your work much easier.



### DIRbuilder

DIRbuilder is designed to make selection processes for industrial refrigeration projects easier and less time-consuming. Specify the valves you need from an extensive pool of configuration options. The DIRbuilder library comprises all Danfoss Industrial Refrigeration valves. Free of charge – no software needed.



### Coolselector® 2 – New calculation software for Industrial Refrigeration

Coolselector® 2 is a calculation and support tool for contractors and system designers, offering complete pressure drop calculations, analysis of pipe and valve design and the ability to generate performance reports. It replaces the well-known DIRcalc™ software and offers several new functionalities.



### Danfoss IR app

The free IR App gives you a spare parts tool, which makes it easy for you to find the spare part number for a given Danfoss industrial refrigeration valve.



### Download 3D CAD symbols

From our online product catalogue on our website, you can download 3D CAD symbols and illustrations to help you when designing refrigeration plants.



### IR application tool

With this interactive PowerPoint slideshow, you can explore all the details of a two-stage ammonia plant. You will find detailed cut-away drawings and information on the valves in the installation along with links to videos, literature and product animations.



### Application handbook

The Application Handbook is designed to help you every step of the way when working with industrial refrigeration systems. Among many other things, it contains examples of how to select control methods for different refrigeration systems, their design and which components to choose.

Visit [www.danfoss.com/IR-tools](http://www.danfoss.com/IR-tools) and find all the tools you need.