



ENGINEERING
TOMORROW



See Motorized valves control **in a new light**

Designed for a wide range of applications, the ICAD B takes motorized valve control to the next level – ensuring enhanced user experience, reliable operation, and easy integration to control systems.

> START HERE

ICAD B

Next-level **connectivity**

The ICAD B is all about connecting the dots and reducing complexity. So you can see things in a new light – and make the right decisions. Dedicated to easy setup, trouble-free operations, and real-time monitoring, the ICAD B eases workflows and prepares you for a cooler future.

Efficient user interface

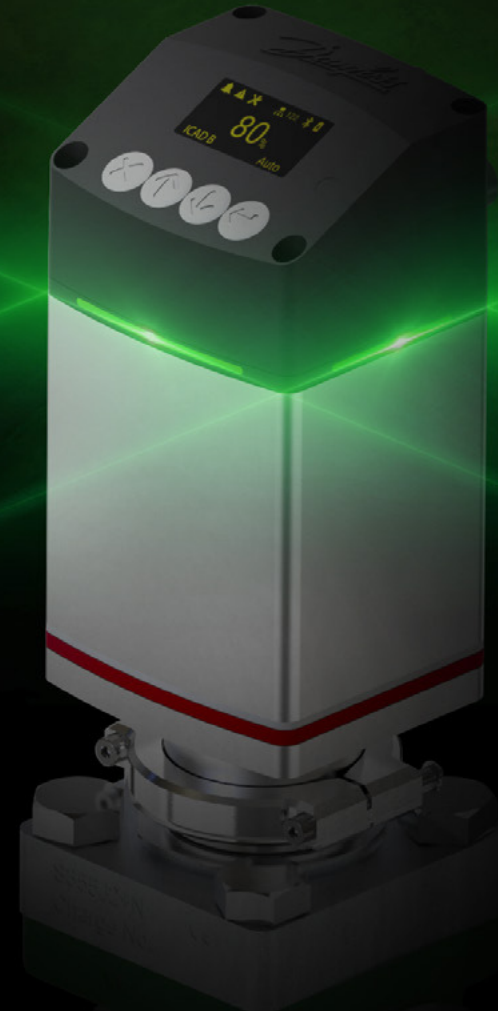
- Save time with the quick setup function
- Choose from multiple interfaces
- Easy operation with intuitive and descriptive menu
- Wireless interface eliminates the need for climbing the valve

Outstanding reliability

- Designed for low-temperature applications
- Self-diagnostics and monitoring
- Enhanced operating logic
- Remote access through smartphone app

Full integration to control systems

- Reduced wiring with data communication control
- Remote real-time monitoring and control
- Set up and adjust parameters from a distance

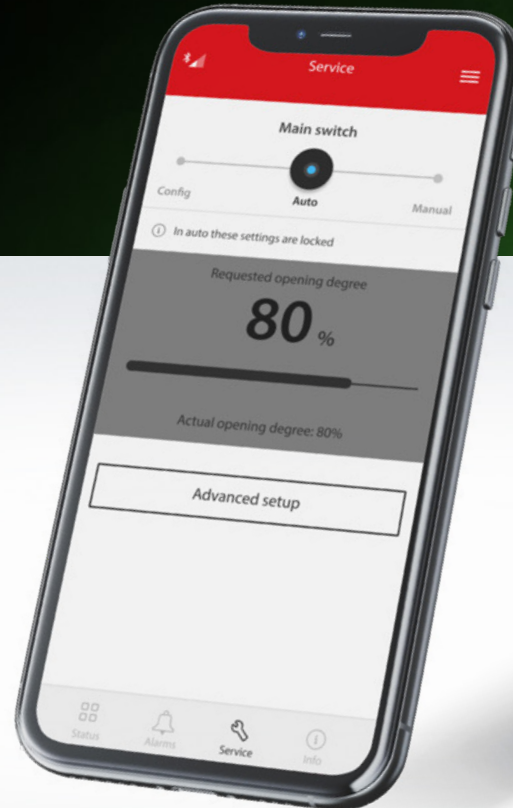


User interface

Multiple interfaces for **easier setup and adjustment**

Upgraded display

- Larger display
- Text descriptive menu
- Intuitive navigation
- Password protected

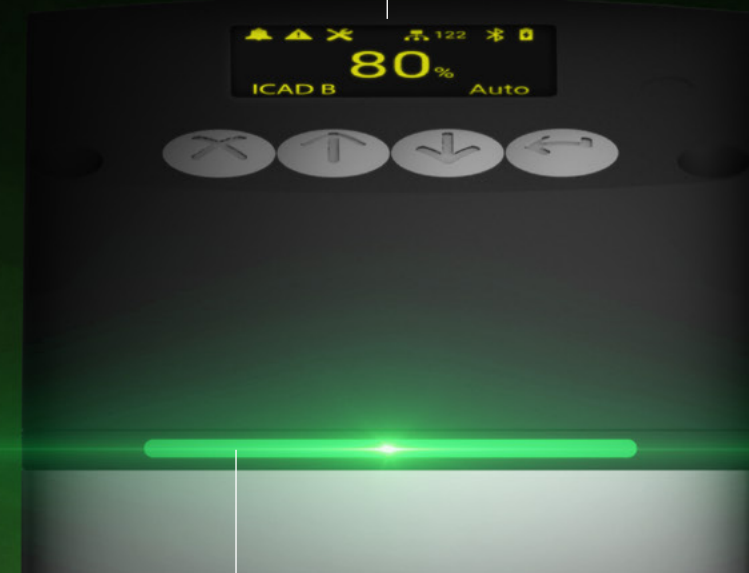


Smart phone app with Bluetooth connectivity

- All menus and parameters are accessible via app
- Manual operation
- Quick setup wizard
- Password protected
- Remote interface via data communication







Download the app
CoolConfig Mobile here:



Status light

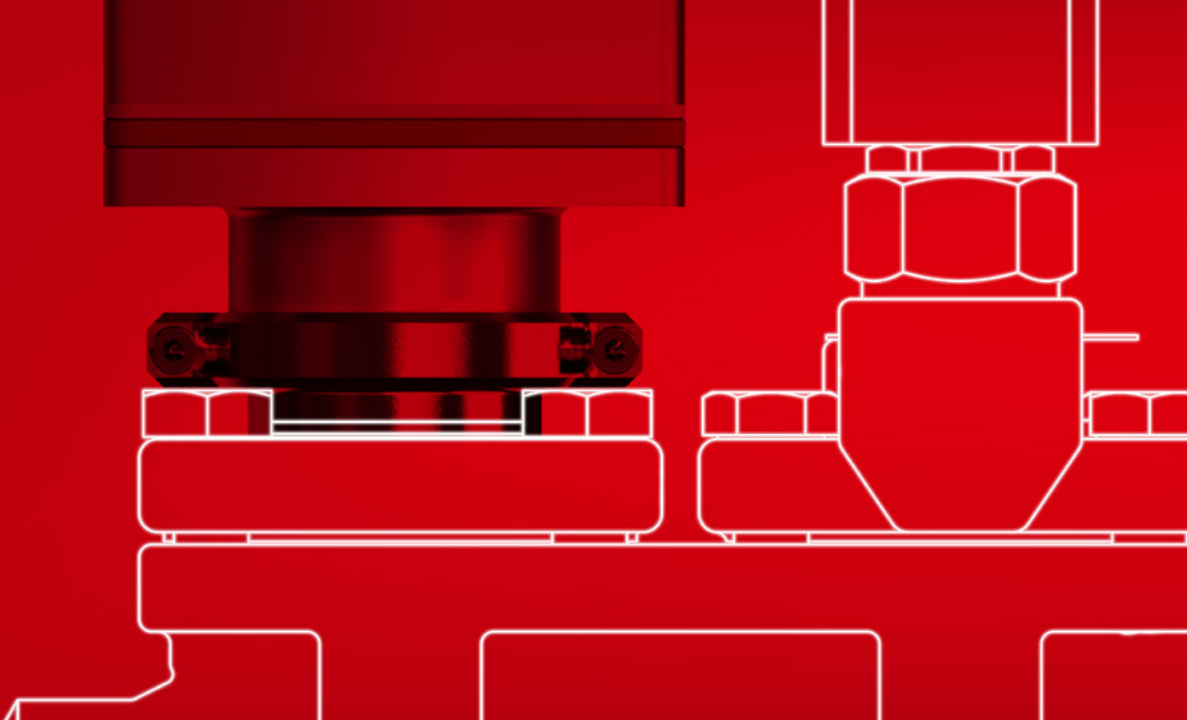
Makes the ICAD visible from all angles

-  OK, no messages
-  Warning/service message
-  Failure/error message
-  Connected app via Bluetooth

New mounting mechanism

Designed for high reliability
and **easier mounting**

- Only two screws needed for mounting
- Coupling can be positioned in any direction (360°)
- Fully hermetic coupling between ICAD and ICM, guaranteeing no moisture penetration and ensuring trouble-free operations



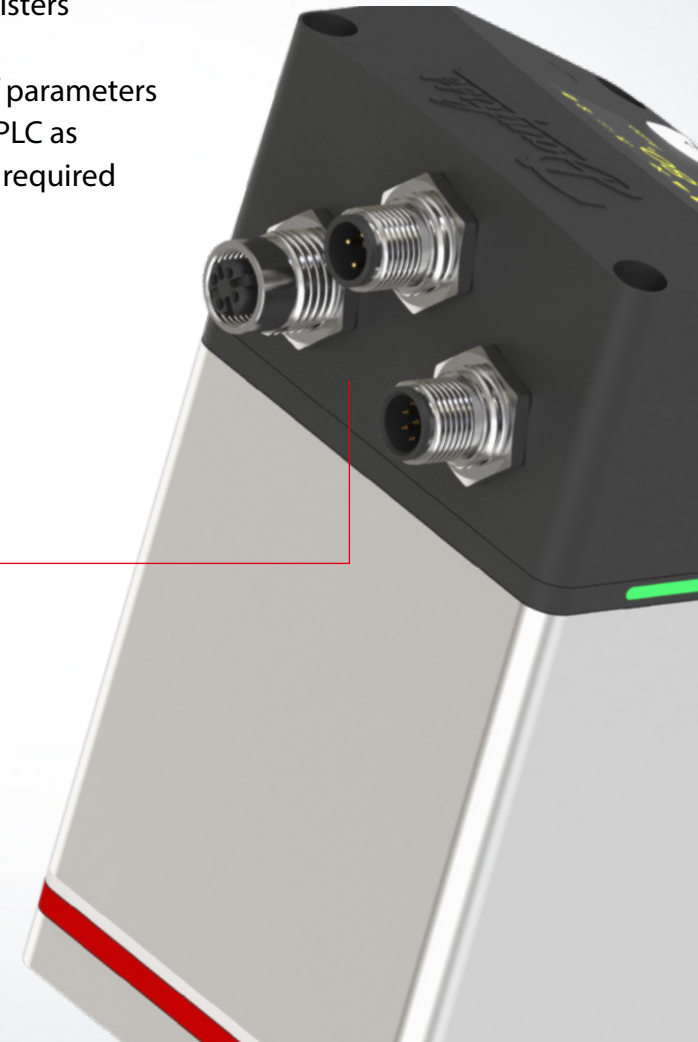
Data communication

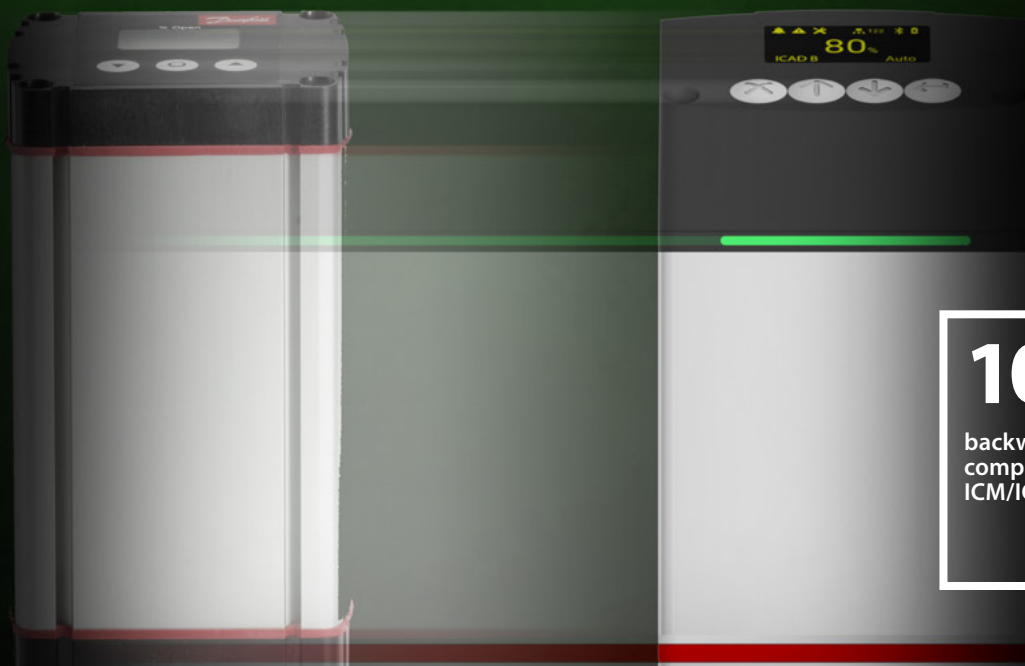
Full integration
to control systems

- Possible to read and write registers
- Monitor and control via data
- Easy setup and adjustment of parameters
- Reduce wiring and I/O at the PLC as analog communication is not required

Two options for data communication:

- Modbus RTU over RS485
- Modbus TCP IP over Ethernet





100%

backward-
compatible with all
ICM/ICMTS valves

Ensuring a **smooth transition**

The ICAD B series is the direct one-to-one replacement of the current ICAD A – including all functionalities, operating with the same cables, and able to fit wherever an ICAD A is currently installed.

Smart software features

New features to **ease operations** **and increase reliability**

- Quick setup function to save time
- Self-diagnostics with detailed information via multiple interfaces
- Set up maintenance intervals to prevent downtime
- Operational logic enhancements for improved performance



Data and ordering

The ICAD B is available in 4 different variants to provide maximum flexibility and meet your specific application needs.



ICAD type	with display		without display	
Data communication type	Ethernet	RS 485	Ethernet	RS 485
ICAD 600B	027H0486	027H0485	027H0489	027H0488
ICAD 1200B	027H0491	027H0490	027H0494	027H0493
ICAD 600B TS	027H0496	027H0495	027H0499	027H0498

* Connection cables are not included

Accessories

Type	Description	Order no.
ICAD Cable set 1,5m (2x cables)	Includes power(1) and control signals(1) cables	027H0426
ICAD Cable set 3m (2x cables)		027H0438
ICAD Cable set 10m (2x cables)		027H0427
ICAD Cable set 15m (2x cables)		027H0435
ICAD Cable set 1,5m (3x cables)	Includes power(1), control signals(1) and data communication(1) cables	027H0464
ICAD Cable set 3m (3x cables)		027H0465
ICAD Cable set 10m (3x cables)		027H0466
ICAD Cable set 15m (3x cables)		027H0467
Service kit ICAD600B	Includes mounting O-ring replacement(10 pcs)	027H0428
Service kit ICAD1200B		027H0429
ICAD-B Protective cover		027H0468

Any information, including, but not limited to information on selection of product, its application or use, product design, weight, dimensions, capacity or any other technical data in product manuals, catalogues descriptions, advertisements, etc. and whether made available in writing, orally, electronically, online or via download, shall be considered informative, and is only binding if and to the extent, explicit reference is made in a quotation or order confirmation. Danfoss cannot accept any responsibility for possible errors in catalogues, brochures, videos and other material. Danfoss reserves the right to alter its products without notice. This also applies to products ordered but not delivered provided that such alterations can be made without changes to form, fit or function of the product. All trademarks in this material are property of Danfoss A/S or Danfoss group companies. Danfoss and the Danfoss logo are trademarks of Danfoss A/S. All rights reserved.