



VALVES & REGULATORS

Danfoss ICS Series

BRAND

Danfoss

SKU

RC_PROD_018

CATEGORY

Valves & Regulators



OVERVIEW

Danfoss ICS valves are pilot-operated servo valves from the ICV Flexline™ platform, built around three components: valve body, function module, and top cover. By fitting different pilot valves (screwed directly into the valve head or installed in an external pilot line), one ICS valve platform delivers pressure regulation, temperature regulation, or on/off operation — on the high- and low-pressure sides, in wet and dry suction lines, and in liquid lines without phase change. The modular concept is a genuine inventory advantage for industrial plants: all standard pilots fit all ICS sizes, function modules and top covers combine freely across bodies, and the servo function can be exchanged for an ICM motor module on the same housing. The special regulating cone V-port design allows higher temperature setpoints and better COP, contributing to energy savings.

KEY FEATURES

Modular ICV Flexline™ concept
body + function module + top cover

One control platform
for pressure, temperature, and on/off control via
interchangeable pilots

Broad application coverage
usable on high and low pressure sides; wet/dry suction lines;
liquid lines without phase change

V-port regulating cone
for improved setpoint control and COP

SPECIFICATIONS

PARAMETER	VALUE
MAX. WORKING PRESSURE	52 bar (industrial standard range); design/tested ratings up to 65 bar (943 psi) per current family documentation
MEDIA TEMPERATURE RANGE	-60 to +120 °C (-76 to +248 °F)
REFRIGERANTS	R717 (ammonia), R744 (CO ₂), HCFC/HFC groups