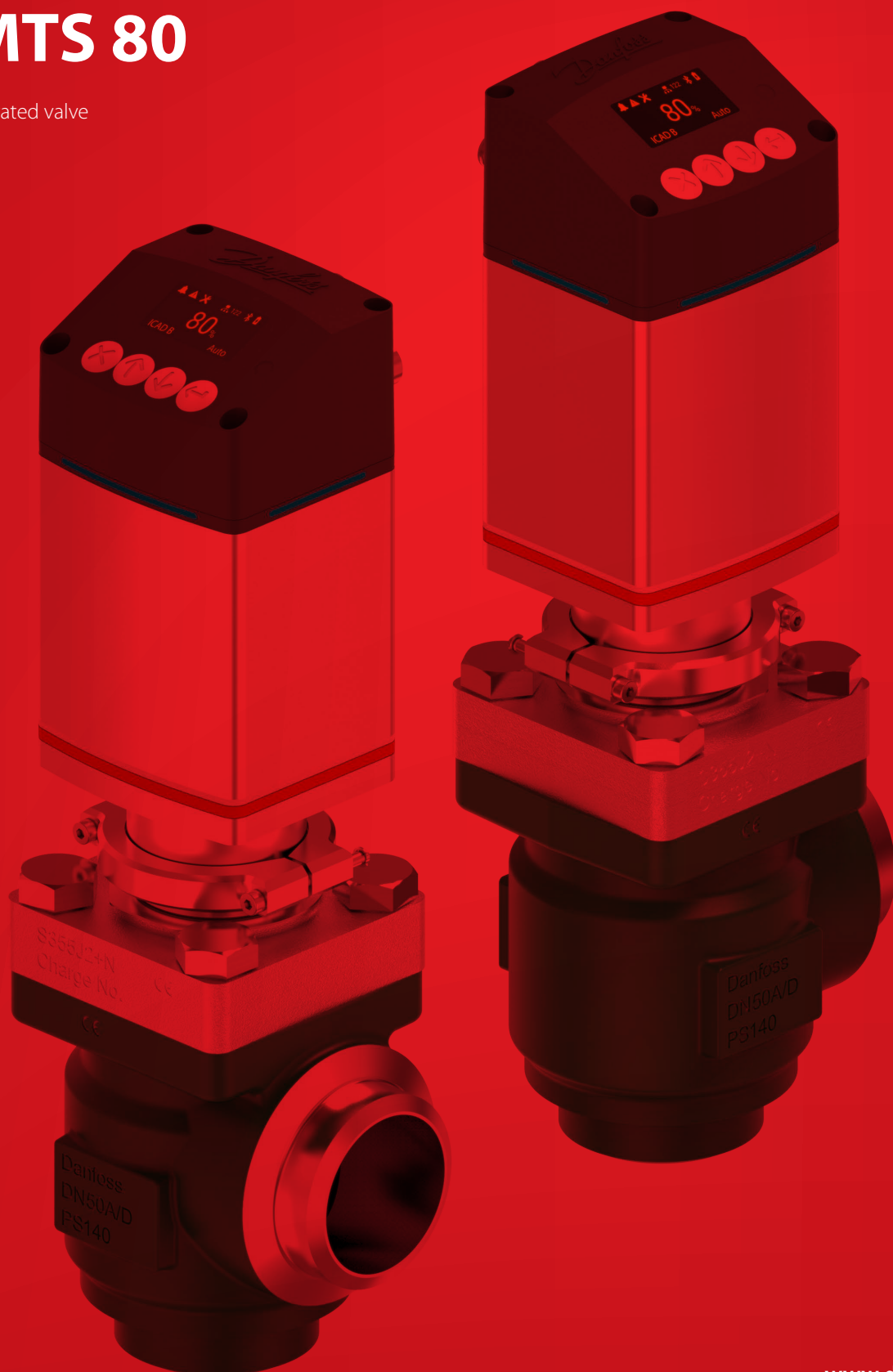


ICMTS 50 & ICMTS 80

Motor operated valve



New ICMTS 50 & 80

for large capacity Transcritical CO₂ systems

ICMTS platform is now expanding to larger sizes to meet an increasing demand of large Motorized valves in industrial design for large scale R744 transcritical CO₂ systems.



Specs

- Temperature range: Media: -40/+50 °C (-40/+122 °F)
Ambient: -30/+50 °C (-22/+122 °F)
(PED) : -60/+150 °C (-76/+302 °F)
- Max working pressure: 140 bar g (2030 psig)
- Max opening pressure differential: 90 bar (1305 psig)
- Sizes: DN 50(2") and 80(3")



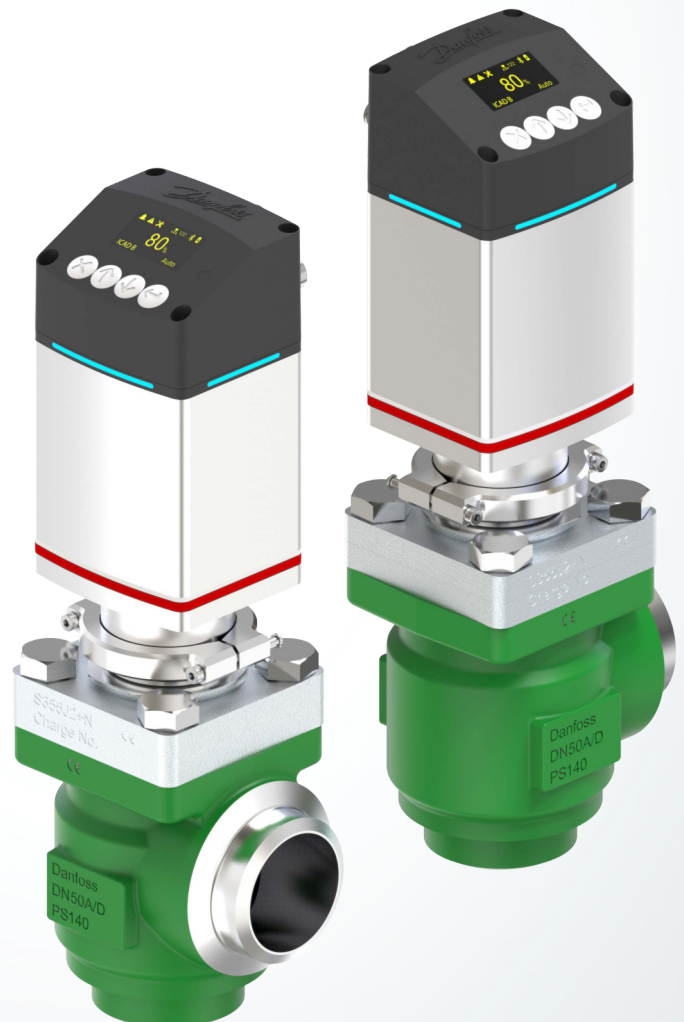
Benefits

- Simplified design and installation
- Operational reliability
- Patented balanced design ensuring smooth regulation of low opening degrees and high differential pressures



Features

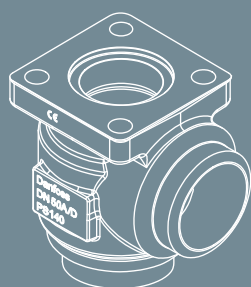
- Balanced piston
- Magnetic coupling – real hermetic sealing
- In Angle or Straightway
- DIN or ANSI butt-weld connections and DIN or ASME hard soldering (brazing) connections
- Operates with Standard ICAD 600 TS





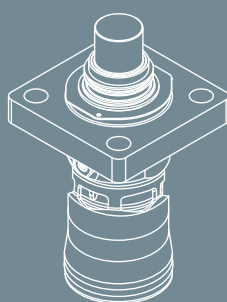
Product range/portfolio

The product portfolio is offered as parts program for major flexibility:



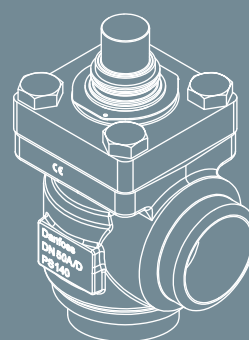
SVL 140B Valve housing

+



ICMTS Top

=



Complete valve

> Housings

Code Number	Description	DN	Direction	Connection type	Connection standard
148B5861	Valve housing SVL-140B 50 A/D ANG	50	Angle	Butt Weld	ANSIB36.10 SCH80 & EN10216-2
148B5862	Valve housing SVL-140B 50 A/D STR	50	Straight	Butt Weld	ANSIB36.10 SCH80 & EN10216-2
148B6861	Valve housing SVL-140B 50 SA/SD ANG	50	Angle	Brazing	ASME B16.50 & EN1254-5
148B6862	Valve housing SVL-140B 50 SA/SD STR	50	Straight	Brazing	ANSIB36.10 SCH80 & EN10216-2
148B5971	Valve housing SVL-140B 80 A/D ANG	80	Angle	Butt Weld	ANSIB36.10 SCH80 & EN10216-2
148B5972	Valve housing SVL-140B 80 A/D STR	80	Straight	Butt Weld	ANSIB36.10 SCH80 & EN10216-2

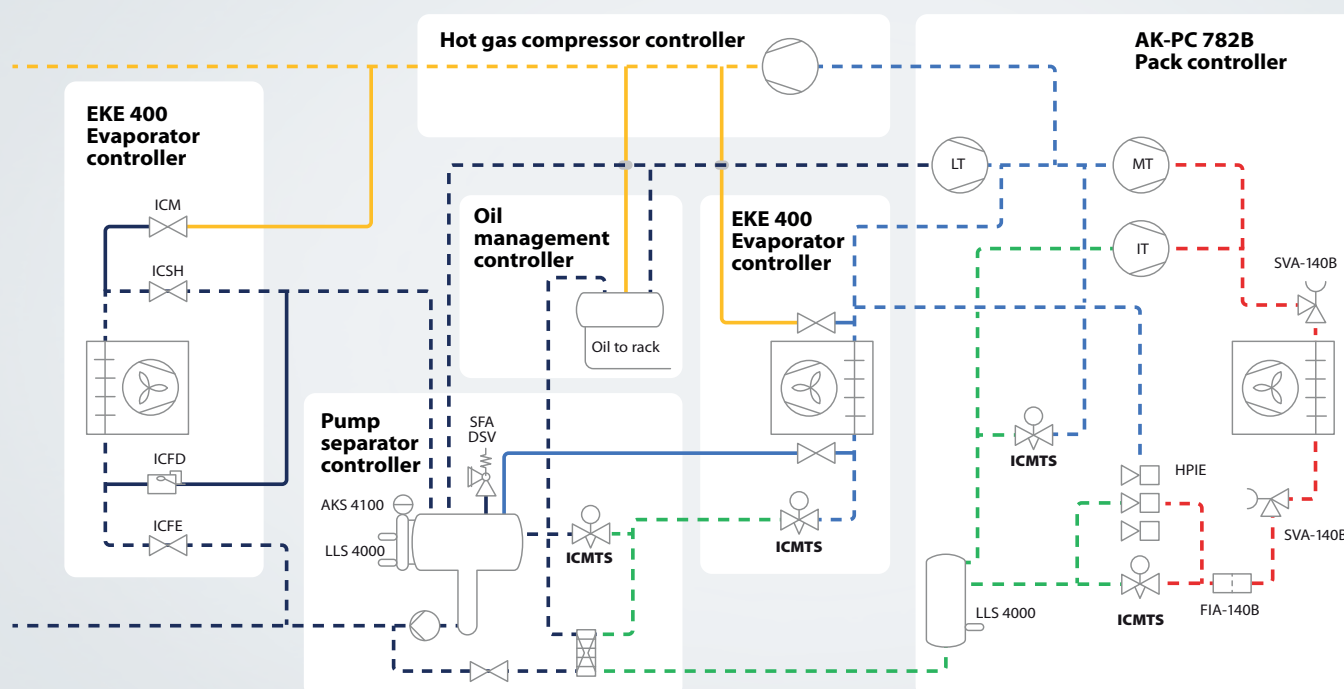
> Tops

Code Number	Description	Capacity - KV value (m ³ /h)	Compatible with housing
027H3510	Top ICMTS 50A	9	SVL 140B 50
027H3511	Top ICMTS 80A	18	SVL 140B 80
027H3512	Top ICMTS 80B	27	SVL 140B 80

Application

For use in CO₂ transcritical systems, on the following:

- ✓ High pressure expansion valve (HPV)
- ✓ Gas Bypass valve (GBV)
- ✓ Low pressure expansion with high MWP



Danfoss A/S

Climate Solutions • danfoss.com • +45 7488 2222

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