

Large Capacity Gas Cooler Expansion Valve, type ICMTS

The ICMTS is a direct operated motorized valve designed to regulate the flow of transcritical gas or subcritical liquid from the gas cooler in a transcritical CO₂ system. The ICMTS is driven by actuator type ICAD 600A-TS.



ICMTS Valves

Danfoss Type	Danfoss Code No.	Connection Standard	Inlet Type	Inlet Size (in.)	Outlet Type	Outlet Size (in.)	Cv Value (gpm)
ICMTS 20-A33	027H1084	EN 10220	butt weld	1	butt weld	1	0.23
ICMTS 20-A	027H1085	EN 10220	butt weld	1	butt weld	1	0.69
ICMTS 20-B	027H1086	EN 10220	butt weld	1	butt weld	1	2.78
ICMTS 20-C	027H1087	EN 10220	butt weld	1	butt weld	1	5.32

ICAD 600TS Actuator

Danfoss Type	Danfoss Code No.	Cable Length	Supply Voltage DC (V)	Supply Voltage Load (A)	Analog Input Voltage Options (V) DC	Analog Input Current Options (mA)	Analog Output Options (mA)	Dig. Output/ext. Supply Voltage DC (V)
ICAD 600A-TS	027H9078	4 ft. 11 in.	24	1.2	0 - 10 / 2 - 10	0 - 20 / 4 - 20	0 - 20 / 4 - 20	5 - 24
ICAD 600A-TS	027H9123	—	24	1.2	0 - 10 / 2 - 10	0 - 20 / 4 - 20	0 - 20 / 4 - 20	5 - 24

ICMT Spare Parts and Accessories

Danfoss Type	Danfoss Code No.
Multi-function tool	027H0181
ICMT/S 20-A33 top part w/cone & orifice	027H1088
ICMT/S 20-A top part w/cone & orifice	027H1080
ICMT/S 20-B66 top part w/cone & orifice	027H1094
ICMT/S 20-B top part w/cone & orifice	027H1081
ICMT/S 20-C top part w/cone & orifice	027H1082