

DECLARATION OF CONFORMITY

The Pressure Equipment Directive 97/23/EC
The ATEX Directive 94/23/EC
The RoHS Directive 2002/95/EC with amendment 2005/618/EC

Name and Address of the responsible Manufacturer within the European community

Danfoss A/S
Refrigeration Controls
DK-6430 Nordborg
Denmark

Description of Pressure Equipment

Thermostatic expansion valves for refrigeration plants

Type TC

Nominal bore	DN 6 - 16 mm ($1/4 - 5/8$ in.)		
Classified for	Fluid group I (all refrigerants (toxic, non-toxic, flammable and non-flammable)) Fluid group II (non-toxic and non-flammable refrigerants)		
Temperature range	Thermostatic element	N charge:	-40°C / +100°C (-40°F / +212°F)
		B charge:	-60°C / +100°C (-75°F / +212°F)
		MOP charge:	-60°C / +150°C (-75°F / +302°F)
	Valve body	-60°C / +100°C (-75°F / +212°F)	
Maximum allowable working temperature	+100°C (+212°F)		
Maximum allowable working pressure	42 bar (615 psig)		

Conformity and Assessment Procedure Followed

	Nominal bore	Nominal bore	Category
Fluid group I and II	6 - 16 mm	$1/4 - 5/8$ in.	a3p3

Description of ATEX Directive 94/9/EC

TC expansion valves do not contain any potential ignition sources as mentioned in Annex II, item 1.3 of the ATEX directive. Consequently, the TC expansion valves are excluded from the scope of the ATEX directive.

Compliance with EU Directive 2002/95/EC (RoHS)

This product conforms to the restriction of the use of lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), and polybrominated diphenyl ethers (PBDE) as described in Directive 2002/95/EC of 27 January 2003 with the amendments in Commission Decision 2005/618/EC of 18 August 2005.

References of other Technical Standards and Specifications used

EN 12284

Authorised Person for the Manufacturer within the European Community

Name: Per Meier

Title: Production Manager

Signature:



Date: January 23, 2006