



Danfoss A/S  
Refrigeration Control  
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## MANUFACTURER'S DECLARATION

### Danfoss A/S

declares under our sole responsibility that the product(s)

**Electronic expansion valve for refrigerant system**

**Type AKV 10 and AKV 15**

Covered by this declaration is in conformity with the following directive(s), standard(s) or other normative document(s), provided that the product is used in accordance with our instructions.

**Pressure Equipment Directive 97/23/EC**

- EN 12284 : 2003 Refrigerating systems and heat pumps-Valves -Requirements, testing and marking
- EN12165 : 2011 Copper and copper alloys – Wrought and unwrought forging stock
- EN12449 : 2012 Copper and copper alloys – Seamless round tubes for general purpose
- EN 1563 : 1997 Founding. Spheroidal graphite cast iron
- EN 10088-1 : 2005 List of stainless steel
- EN 10088-2 : 2005 Technical delivery conditions for sheet/plate and stripe of corrosion resisting steel and bright.
- EN 10088-3 : 2005 Technical delivery conditions for semi-finished products, bars, rod, wire, sections and bright Products of corrosion resisting steels for general purpose.

**Fluid group**

Group II Nontoxic, non-flammable refrigerant

**Maximum Working Pressure:**

AKV 10-1 to 6 52 barg (753 psig)  
AKV 10-7 42 barg (609 psig)  
AKV 15-1/2/3 42 barg (609 psig)  
AKV 15-4 28 barg (406 psig)

**Nominal bore:**

AKV 10: DN 10 - 16 ( $\frac{3}{8}$  -  $\frac{5}{8}$  inch)  
AKV 15: DN 18 - DN28 ( $\frac{3}{4}$  - 1 $\frac{1}{8}$  inch)

We hereby declare that mentioned equipment is covered by Article 3, paragraph 3.

Date 2013-01-18	Issued by Sun Jing	Date 2013-01-18	Approved by 
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