

# Installation Guide

## Electrically Operated Expansion Valve Types AKV 10-n (n= 1 – 7)

068R9514

**Refrigerants:**  
R744, R22/R407C, R404A/R507, R410A, R134a, R407A, R23.  
For other refrigerants, please contact Danfoss.

**Max. working pressure:**  
AKV 10 (n=1 - 6) PS/MWP = 52 barg (753 psig)  
AKV 10 n=7 PS/MWP = 42 barg (610 psig)

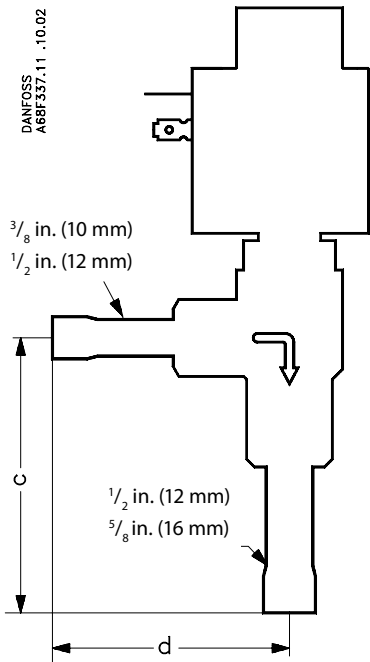
**Max. test pressure:** Pe = 60 barg (869 psig)

**Max. differential pressure:** MOPD = P<sub>1</sub> - P<sub>2</sub> = 18 bar (260 psi)

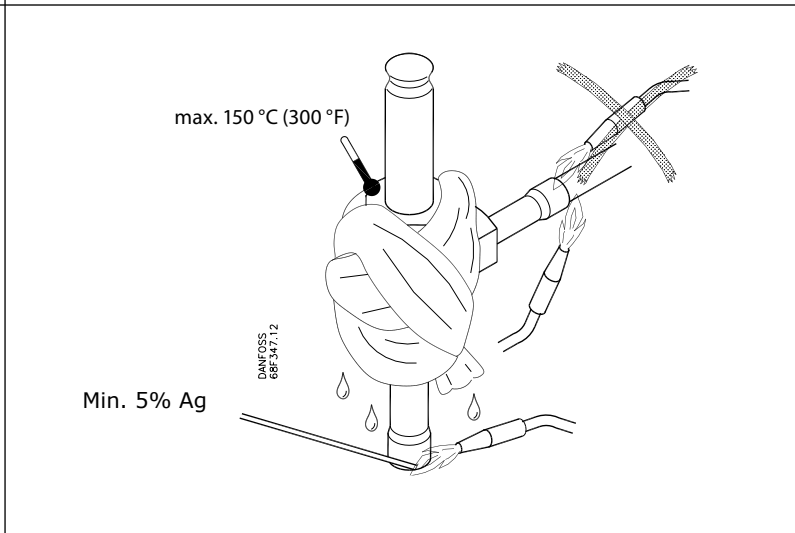
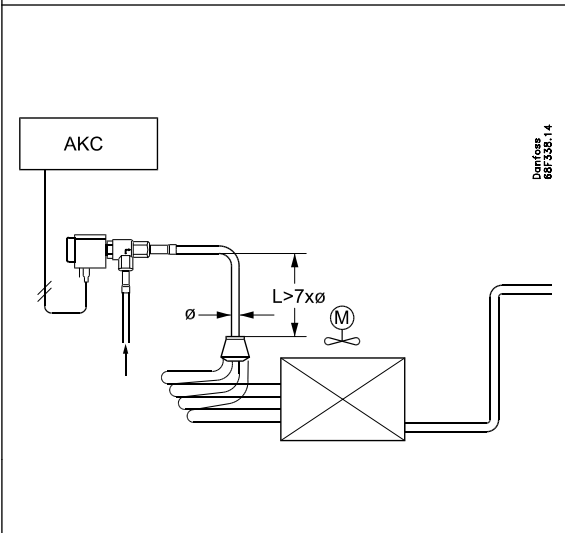
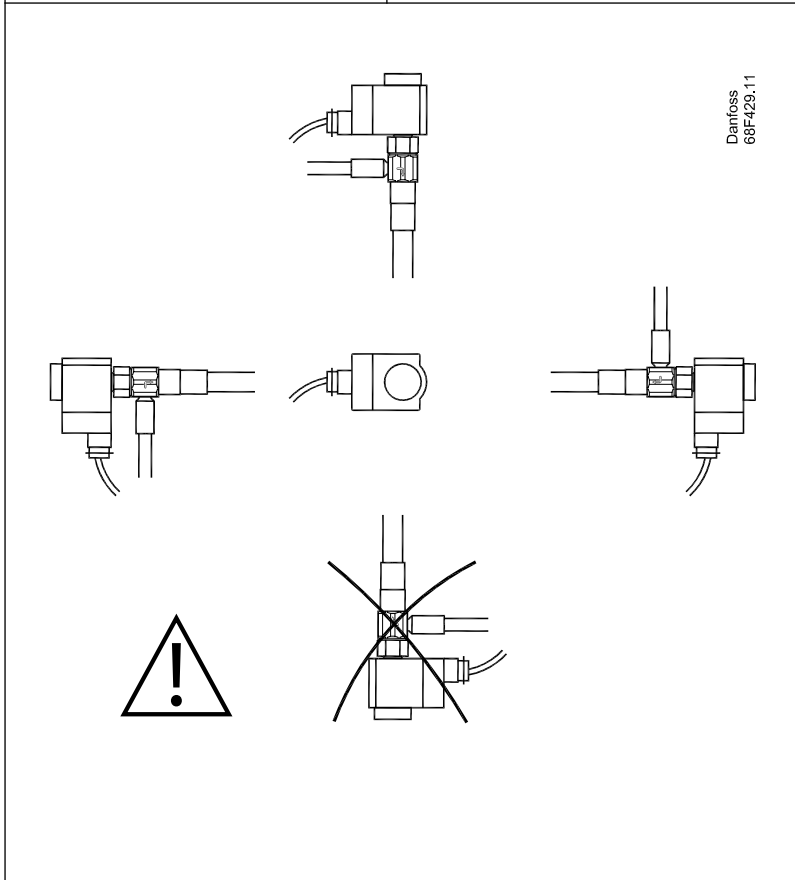
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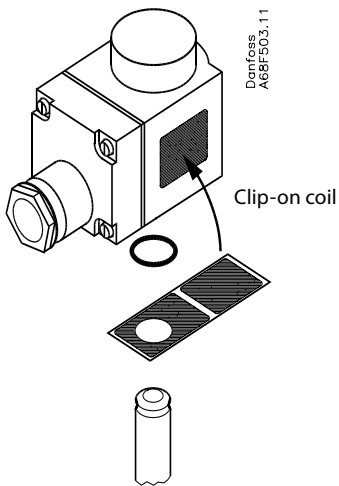
**Media temperatur range:**  
t<sub>media</sub> -50 °C (-58 °F)  
t<sub>media</sub> 60 °C (140 °F)

**Ambient temperatur range:**  
t<sub>amb</sub> Min. -50 °C (-58 °F)  
t<sub>amb</sub> Max. 50 °C (120 °F)

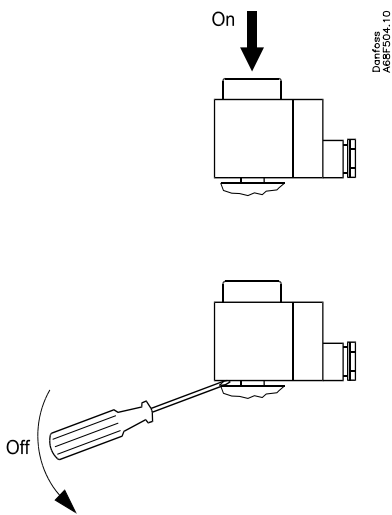
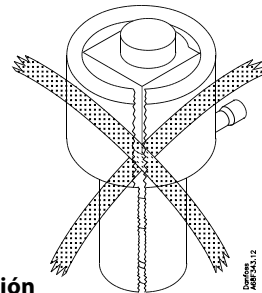


	AKV 10-1, AKV 10-2, AKV 10-3, AKV 10-4, AKV 10-5, AKV 10-6	AKV 10-7
<b>c</b>	75	73
<b>d</b>	67	75

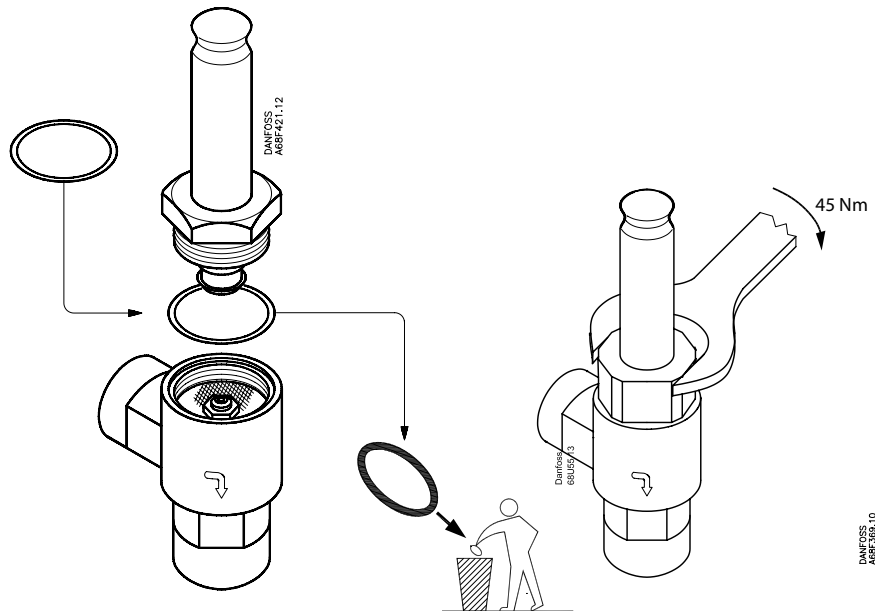




(en-gb) Do not insulate  
(da) Må ikke isoleres  
(de) Nicht isolieren  
(fr) Ne pas isoler  
(es) No encerrar paraevitar condensación



**Warning**  
Never switch on power to the coil when the coil is dismantled from the valve. Otherwise the coil may be damaged and there is risk of injuries and burns.



en-gb	da	de	fr	es
The gasket <b>must</b> be exchanged, if the valve is dismantled	Pakningen <b>skal</b> skiftes, hvis ventilen adskilles	Bei Zerlegung des Ventils <b>muß</b> die Dichtung ausgetauscht werden.	Changer le joint <b>chaque fois</b> que la vanne est démontée	<b>Es preciso</b> cambiar la junta si se desmonta la válvula