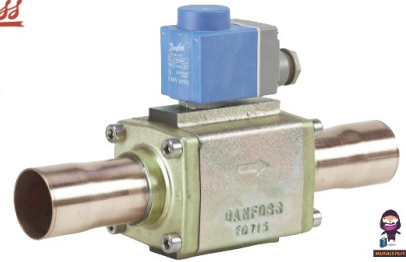


Danfoss

**AKV 20
Electrically
Operated
Expansion
Valve Type**



Danfoss AKV 20 Electrically Operated Expansion Valve Type Installation Guide

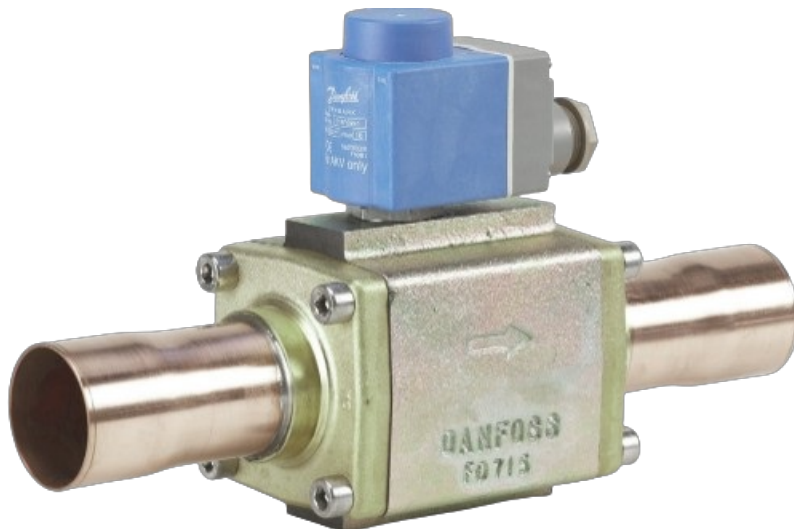
[Home](#) » [Danfoss](#) » Danfoss AKV 20 Electrically Operated Expansion Valve Type Installation Guide 

Contents

- [1 Danfoss AKV 20 Electrically Operated Expansion Valve Type](#)
- [2 Product Usage Instructions](#)
- [3 FAQs](#)
- [4 Documents / Resources](#)
 - [4.1 References](#)

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Danfoss AKV 20 Electrically Operated Expansion Valve Type



Specifications

- Model: AKV 20
- Refrigerants: R744, R22/R407C, R404A/R507, R410A, R134a, R407A, R23
- Max. Working Pressure: 28 barg (400 psig)
- Max. Test Pressure: 31 barg (260 psig)
- Max. Differential Pressure: 20 bar (290 psi)

Product Usage Instructions

Installation:

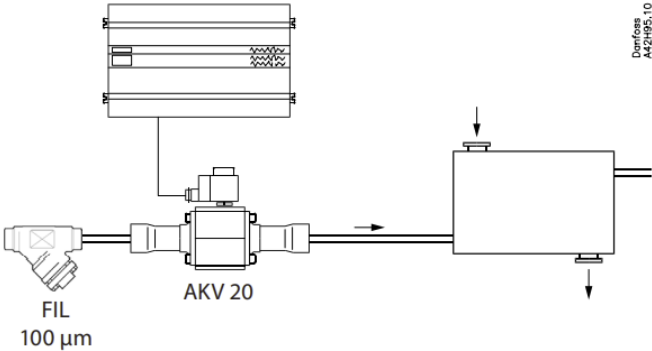
1. Ensure the power is switched off before installing the valve.
2. Mount the valve securely in place according to the manufacturer’s guidelines.
3. If the valve is dismantled, make sure to exchange the gasket before reassembling.

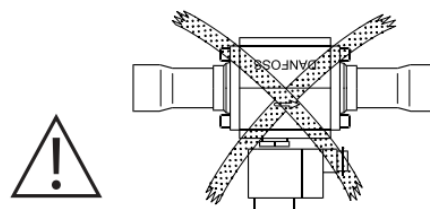
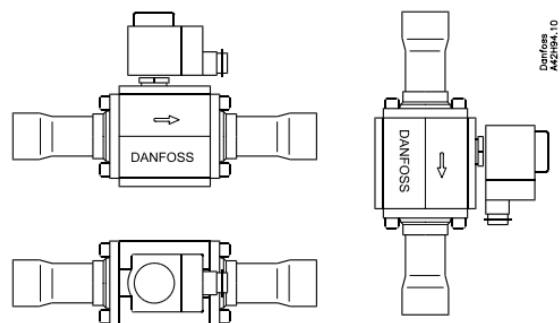
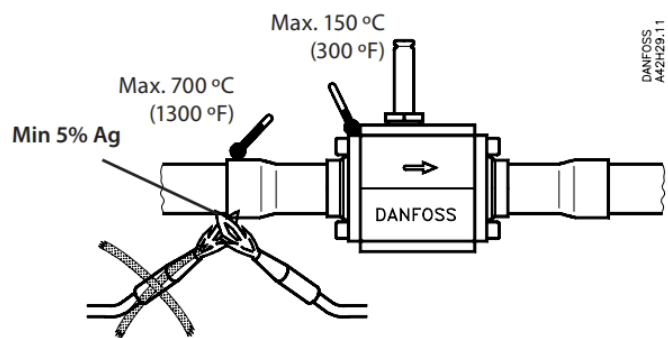
Operation:

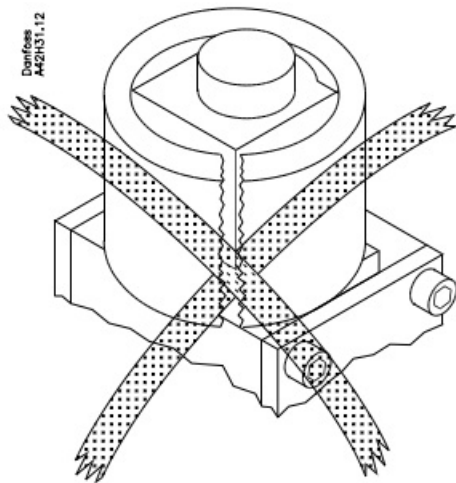
Make sure the coil is clipped onto the valve before turning on the power. Never energize the coil when it’s dismantled to prevent damage and potential injuries.

Maintenance:

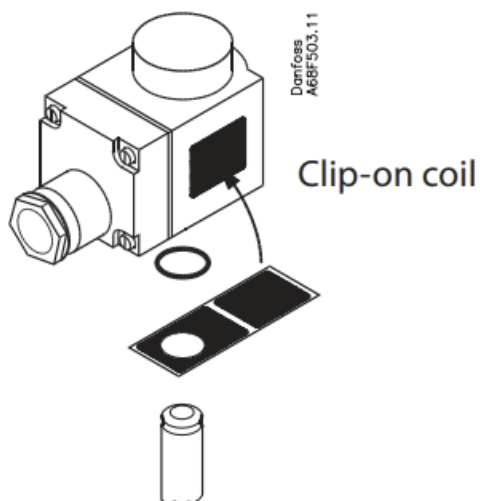
Regularly inspect the valve for any signs of wear or damage. Replace any worn-out components promptly to ensure proper functioning.

Refrigerants: R744, R22/R407C, R404A/R507, R410A, R134a, R407A, R23. Note! AKV 20 are not suitable for R744 applications with media temperatures constantly below 0 °C, For other media temperatures, please contact Danfoss	Max. working pressure: PS/MWP = 28 barg (400 psig)
	Max. test pressure: Pe = 31 barg (260 psig)
	Max. differential pressure: MOPD = P1- P2= 20 bar (290 psi)
Ambient temperature range: tamb Min. -40 °C (-40 °F) tamb Max. 50 °C (120 °F)	Media temperatur range: tmedia Min. -40 °C (-40 °F) tmedia Max. 60 °C (140 °F)
	

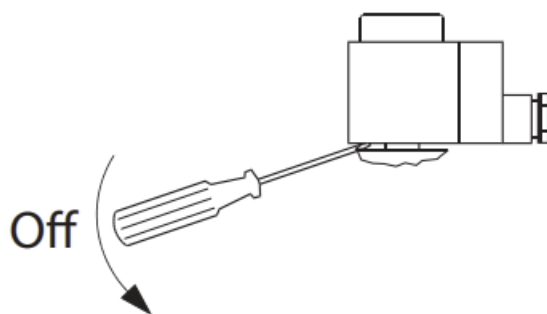
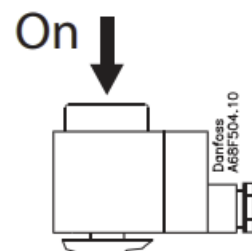




Do not insulate

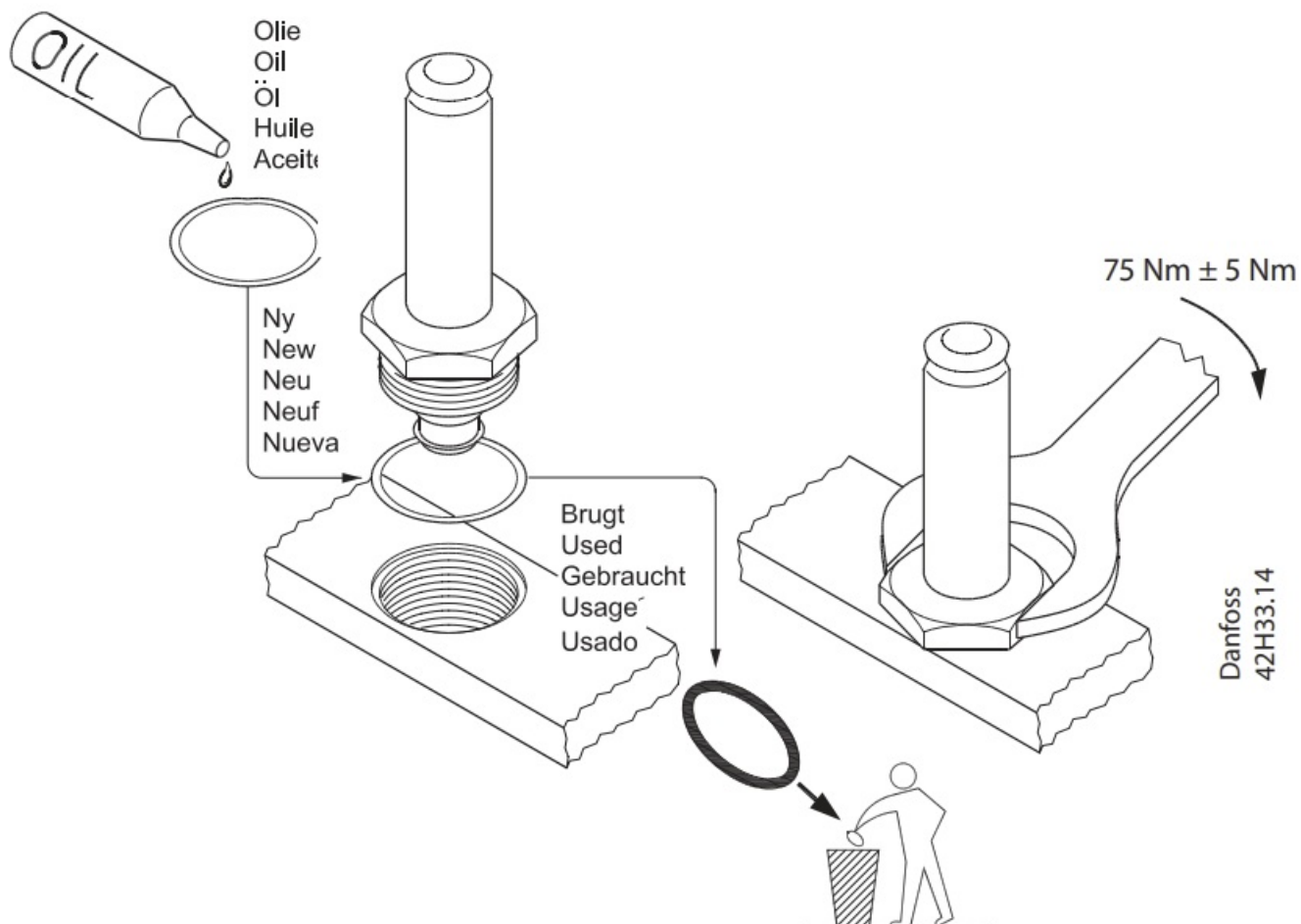


Clip-on coil

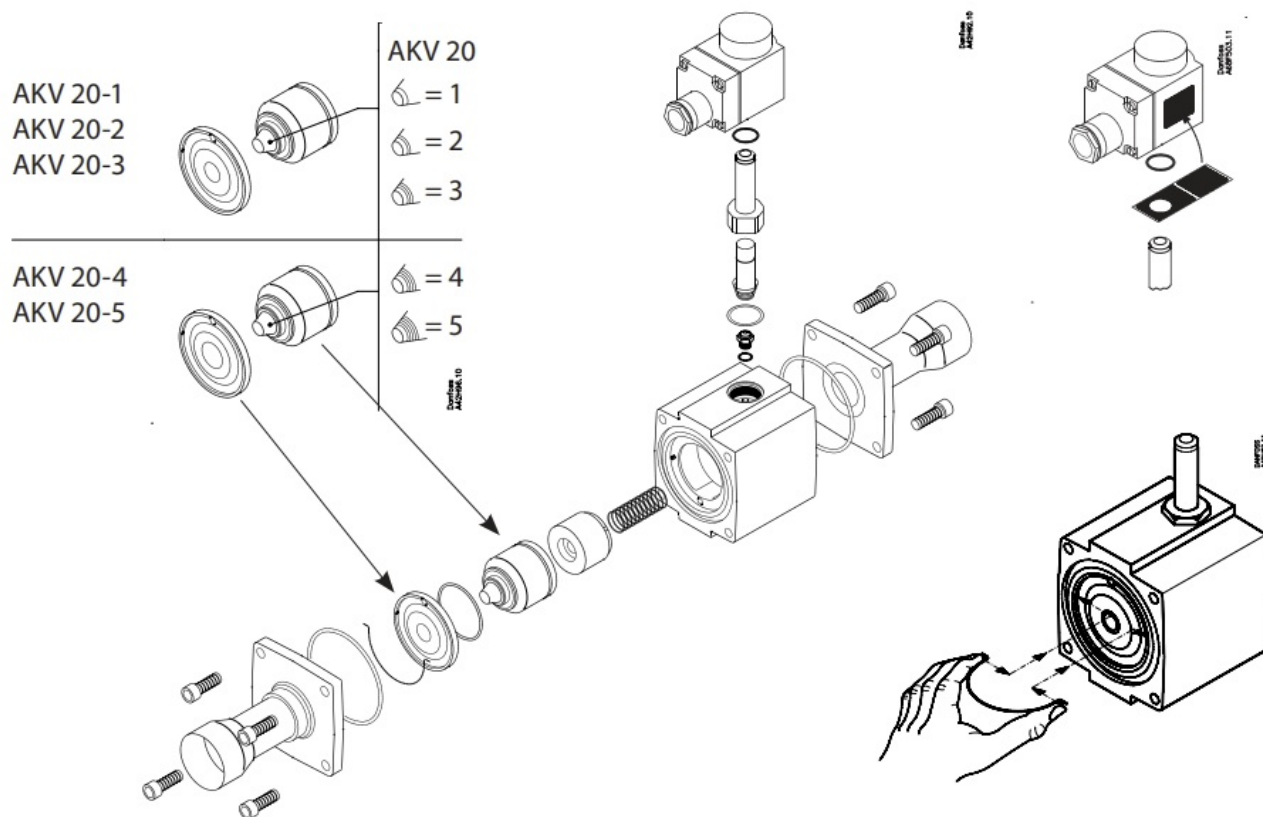


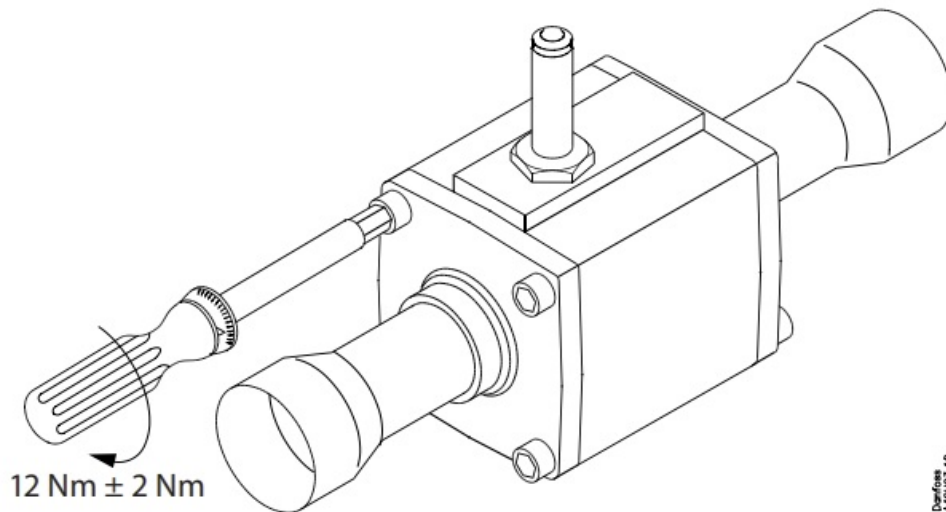
Warning

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



The gasket must be exchanged, if the valve is dismantled





FAQS

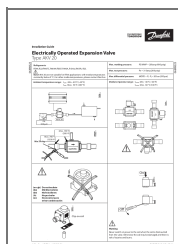
Q: Can I use refrigerant R410A with this valve?

A: Yes, this valve is compatible with R410A refrigerant among others listed in the specifications.

Q: What is the recommended maximum working pressure for this valve?

A: The recommended maximum working pressure is 28 barg (400 psig).

Documents / Resources



[Danfoss AKV 20 Electrically Operated Expansion Valve Type](#) [pdf] Installation Guide 068R9523, AKV 20-1, AKV 20-2, AKV 20-3, AKV 20-4, AKV 20-5, AKV 20 Electrically Operated Expansion Valve Type, AKV 20, Electrically Operated Expansion Valve Type, Operated Expansion Valve Type, Expansion Valve Type, Valve Type

References

- [User Manual](#)

[Manuals+](#). [Privacy Policy](#)

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