

**Danfoss**

**KVP 12 Pressure  
Regulating Valve**



## Danfoss KVP 12 Pressure Regulating Valve Installation Guide

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**Danfoss**

### Danfoss KVP 12 Pressure Regulating Valve



## Specifications

- Product Name: Pressure Regulating Valve
- Models: KVP, KVL, KVR, KVD, KVC
- Refrigerants:
  - KVP: R22, R1270\*, R134a, R290\*, R404A, R407A, R407C, R407F, R448A, R449A, R450A, R452A, R507A, R513A, R600\*, R600a\*
- Material: 15% Ag
- Tightening Torques:
  - KVL: 3Nm (finger tight + 1/4 turn)
  - KVR: 3Nm (finger tight + 1/2 turn)
- Maximum Pressure: 18 bar (260 psig)

## Installation

1. Ensure the correct model of the pressure regulating valve based on your requirements.
2. Follow the recommended tightening torques when installing the valve to prevent leaks.
3. Refer to the specific installation guide for each model for detailed installation steps.

## Maintenance

Regularly check for any leaks or damage to the valve. If there are any issues, consult a professional for maintenance or repair.

## Safety Precautions

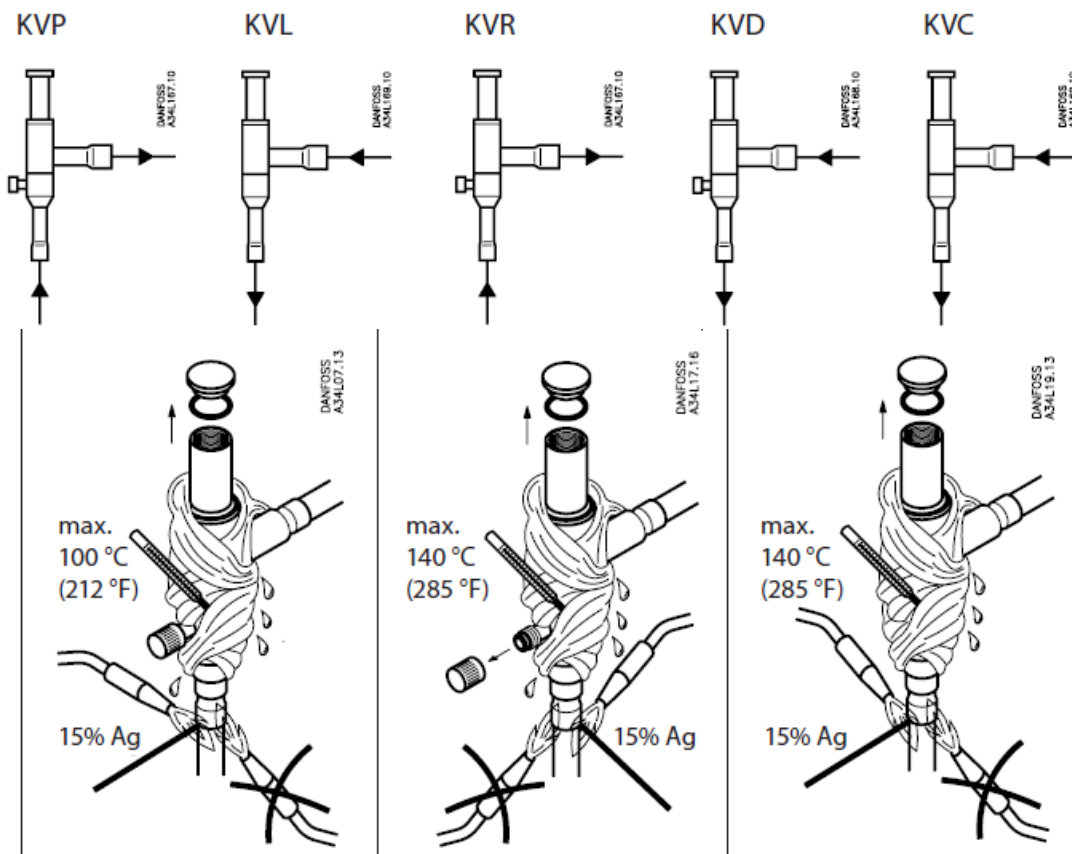
- Always handle the valve with care to avoid any damage.
- Do not exceed the maximum pressure rating to prevent accidents.
- When using flammable refrigerants, ensure that the tightening torques are respected to maintain safety.

## Installation guide

### Pressure regulating valve KVP, KVL, KVR, KVD, KVC

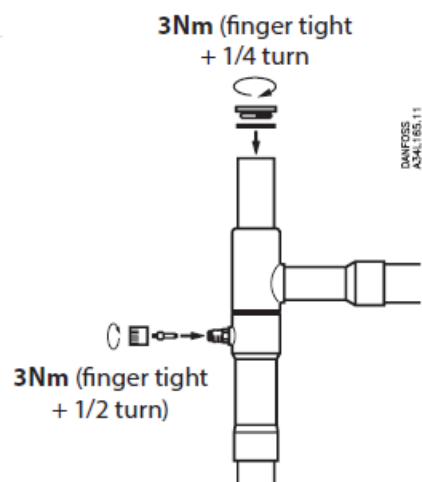
#### Refrigerants:



- R22, R1270\*, R134a, R290\*, R404A, R407A, R407C, R407F, R448A, R449A, R450A, R452A, R507A, R513A, R600\*, R600a\*
- Applicable for KVP 12 – KVP 22, KVL 12 – KVL 22, KVR 12 – KVR 22, KVD 12 – KVD 15, KVC 12 – KVC 22
- For a complete list of approved refrigerants, visit [www.products.danfoss.com](http://www.products.danfoss.com) and search for individual code numbers, where refrigerants are listed as part of technical data.

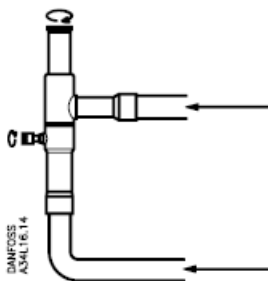


**NB!**

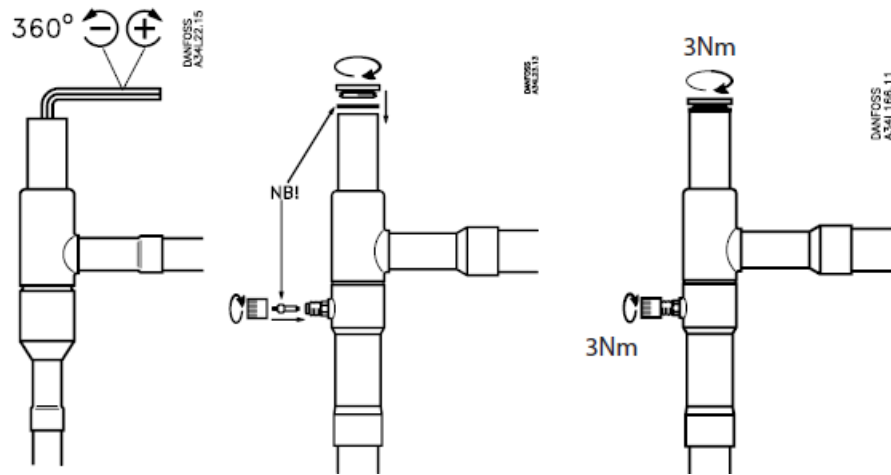
Tightening torques must be respected, especially when used with flammable refrigerant.s



KVP	KVP 12	360° ~ 0.45 bar (6 psi)	 pe = 2 bar
	KVP 15		
	KVP 22		
	KVP 28	360° ~ 0.30 bar (4 psi)	
	KVP 35		
KVL	KVL 12	360° ~ 0.45 bar (6 psi)	
	KVL 15		
	KVL 22		
	KVL 28	360° ~ 0.30 bar (4 psi)	
	KVL 35		
KVC	KVC 12	360° ~ 0.45 bar (6 psi)	
	KVC 15		
	KVC 22		
KVR	KVR 12	360° ~ 2.50 bar (36 psi)	 pe = 10 bar
	KVR 15		
	KVR 22		
	KVR 28	360° ~ 1.50 bar (22 psi)	
	KVR 35		
KVD	KVD 12	360° ~ 2.50 bar (36 psi)	
	KVD 15		
	KVD 22		



	tmax	tmin	PS/MWP
<b>KVP</b>	130 °C (265 °F)	-45 °C (-50 °F)	18 bar (260 psig)
<b>KVL</b>	130 °C (265 °F)	-60 °C (-75 °F)	18 bar (260 psig)
<b>KVR, KVD, KVC</b>	130 °C (265 °F)	-45 °C (-50 °F)	28 bar (406 psig)



## FAQs

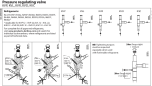
- **Q: What should I do if I notice a leak in the pressure regulating valve?**

A: If you notice a leak, immediately shut off the system and contact a professional for inspection and repair.

- **Q: Can I use refrigerants not listed in the manual with this valve?**

A: It is recommended to only use refrigerants listed in the manual to ensure proper functioning and safety of the valve.

## Documents / Resources

	<p><a href="#">Danfoss KVP 12 Pressure Regulating Valve</a> [pdf] Installation Guide</p> <p>KVP 12, KVP 15, KVP 22, KVP 28, KVP 35, KVL 12, KVL 15, KVL 22, KVL 28, KVL 35, KVC 12, KVC 15, KVR 12, KVR 15, KVR 22, KVR 28, KVR 35, KVD 12, KVD 15, KVD 22, KVP 12 Pressure Regulating Valve, KVP 12, Pressure Regulating Valve, Regulating Valve</p>
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## References

- [User Manual](#)

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

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