

Installation Guide

Check valve

Type NRV and NRVH



020R9506

020R9506

Refrigerants:

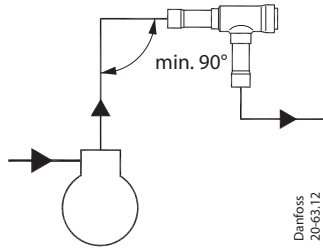
For a complete list of approved refrigerants, visit <http://store.danfoss.com/> and search for individual code numbers, where refrigerants are listed as part of product details.

Note: Flare/face seal connections are only approved for A1 and A2L refrigerants.

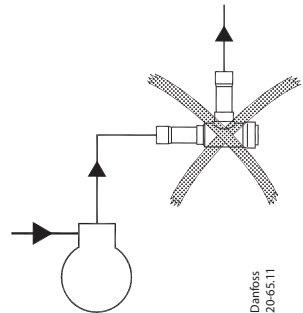
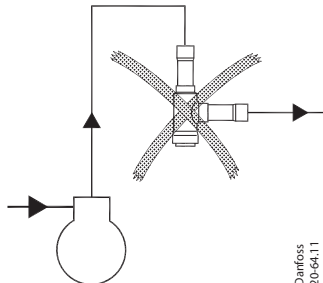
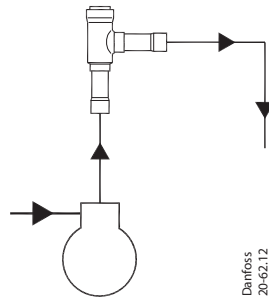
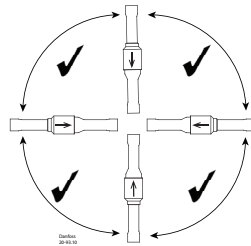
Applicable to A1, A2, A2L and A3 refrigerants as accepted by Danfoss, excluding R717 and to non-corrosive gases/liquids dependent on sealing material compatibility. The design pressure shall not be less than the value outlined in section 9.2 of ANSI/ASHRAE 15 for the refrigerant used in the system.

Valve type	Connection type	Media temperature range	Max. working pressure (PS/MWP)
NRV/NRVH 6s-19s	Straight-way - solder	-50 °C - 155 °C / -58 °F - 311 °F	49 bar/ 710 psig
NRV 6-19	Straight-way - flare	-50 °C -140 °C / -58 °F - 285 °F	46 bar/ 667 psig
NRV/NRVH 22s-35s	Angle-way - solder	-50 °C -140 °C / -58 °F - 285 °F	46 bar/ 667 psig
NRV/NRVH 22s E-35s E	Angle-way - solder	-50 °C -155 °C / -58 °F - 311 °F	49 bar/ 710 psig
NRV 10s H (CO ₂)	Straight-way - solder	-50 °C -140 °C / -58 °F - 285 °F	90 bar / 1305 psig

Position angleway



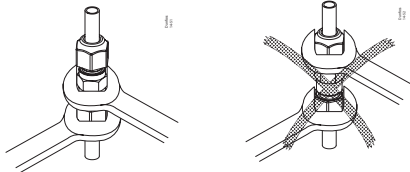
Position straightway



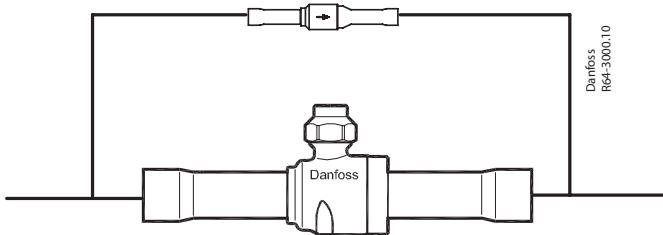
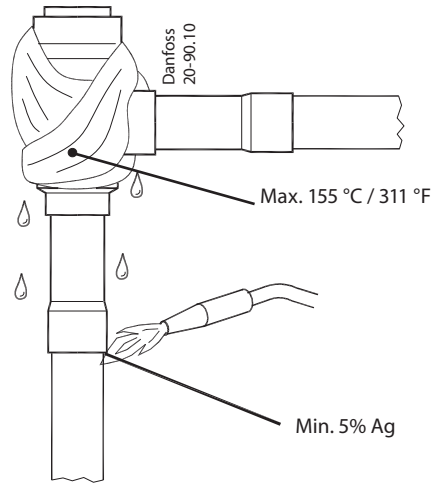
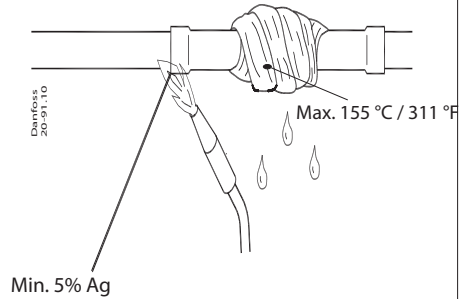
Імпортер: ТОВ з іі "Данфосс ТОВ" 04080, Київ 80, п/с 168, Україна

Info for UK customers only: Danfoss Ltd., 22 Wycombe End, HP9 1NB, GB

Type	W	
	mm	in.
NRV flare 6	19	3/4
NRV flare 10	19	3/4
NRV flare 12	24	15/16
NRV flare 16	28	1 1/8
NRV flare 19	34	1 3/8



Max. torque		
Size	Nm	ft-lbs
1/4 in.	20	15
3/8 in.	30	22
1/2 in.	60	44
5/8 in.	100	74
3/4 in.	200	148



For NRV CO2 valve(90bar), when the NRV is used together with GBC in parallel as a pressure relief valve, it is recommended to install the NRV above the GBC.

For the application use with R744 as part of a secondary loop or cascade system should refer to the datasheet for more attentions.