



Danfoss DN 15 Change Over 6 Flexo User Guide

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ENGINEERING
TOMORROW
Operating Guide
AB-QM 4.0 ChangeOver6 Flexo
DN 15, PN16

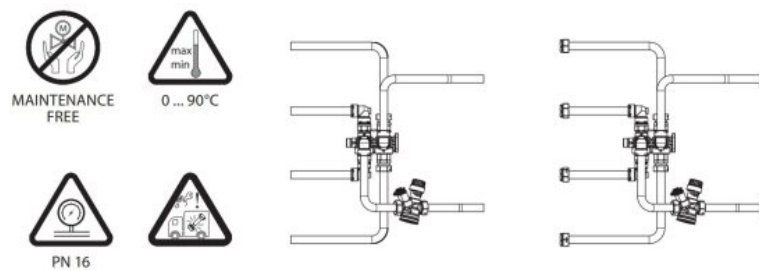
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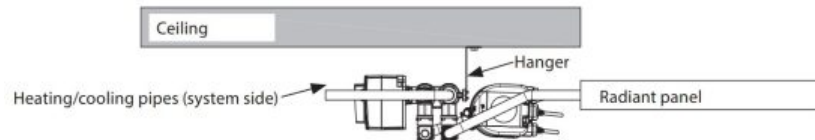
DN 15 Change Over 6 Flexo



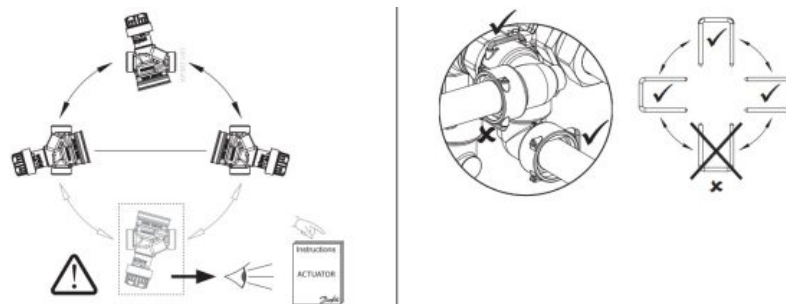
<https://assets.danfoss.com/documents/402876/41477237908752en-010102.pdf>



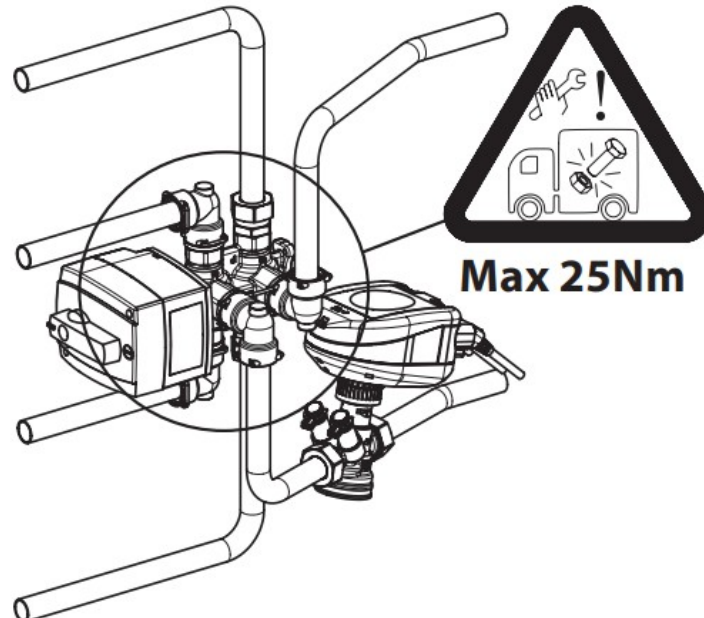
Recommended installing position



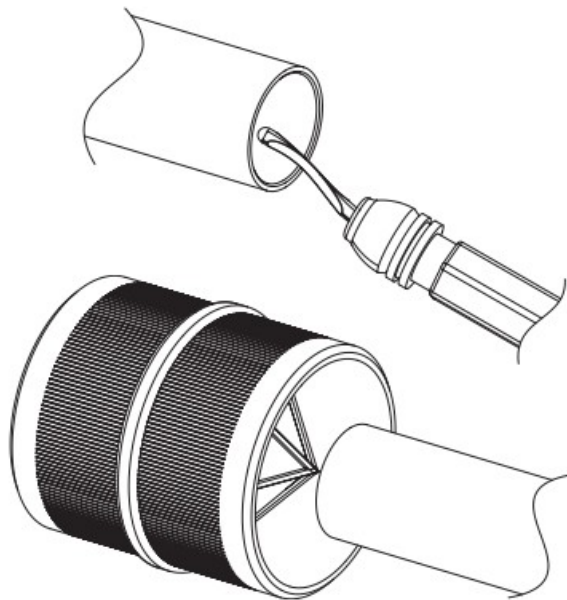
The recommended installing position is as shown in the picture. Hairpins from factory setting are inserted based on this position.



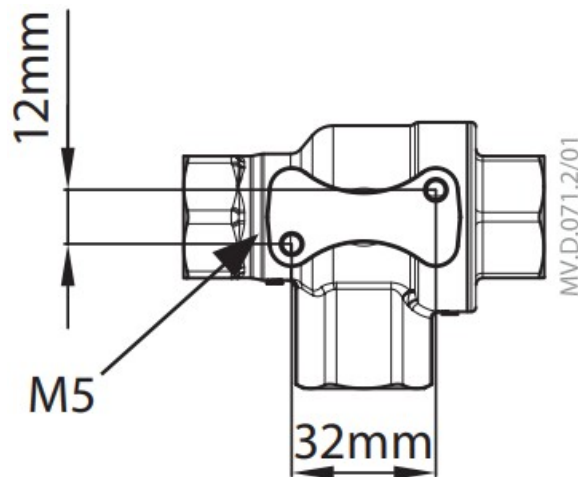
In any installed position of the set, assure that hairpins must be inserted sideways or from top to bottom (do not insert the hairpins from bottom side of click fits).



All the connections, fittings and hairpins must be re-tightened after transportation.



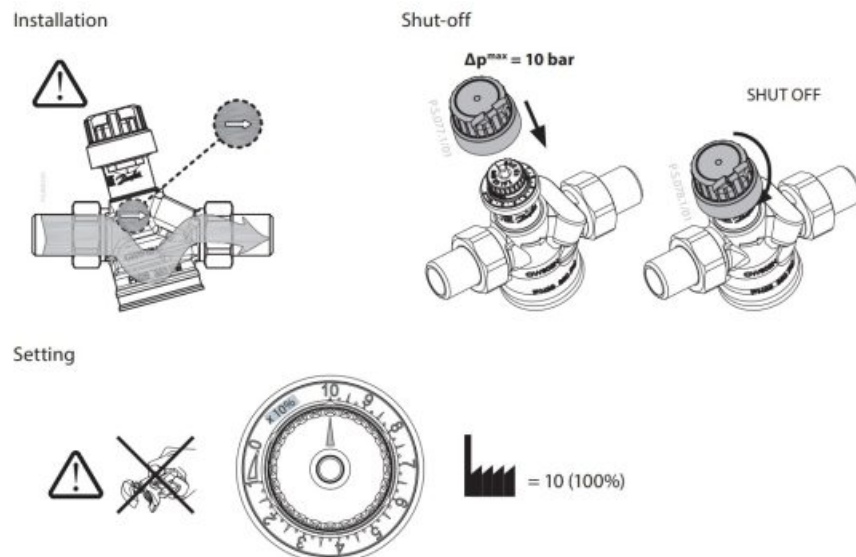
For the 18mm straight pipe variant, deburring must be done by customer before installation and it must be ensured that metal chips do not get into the pipe system.

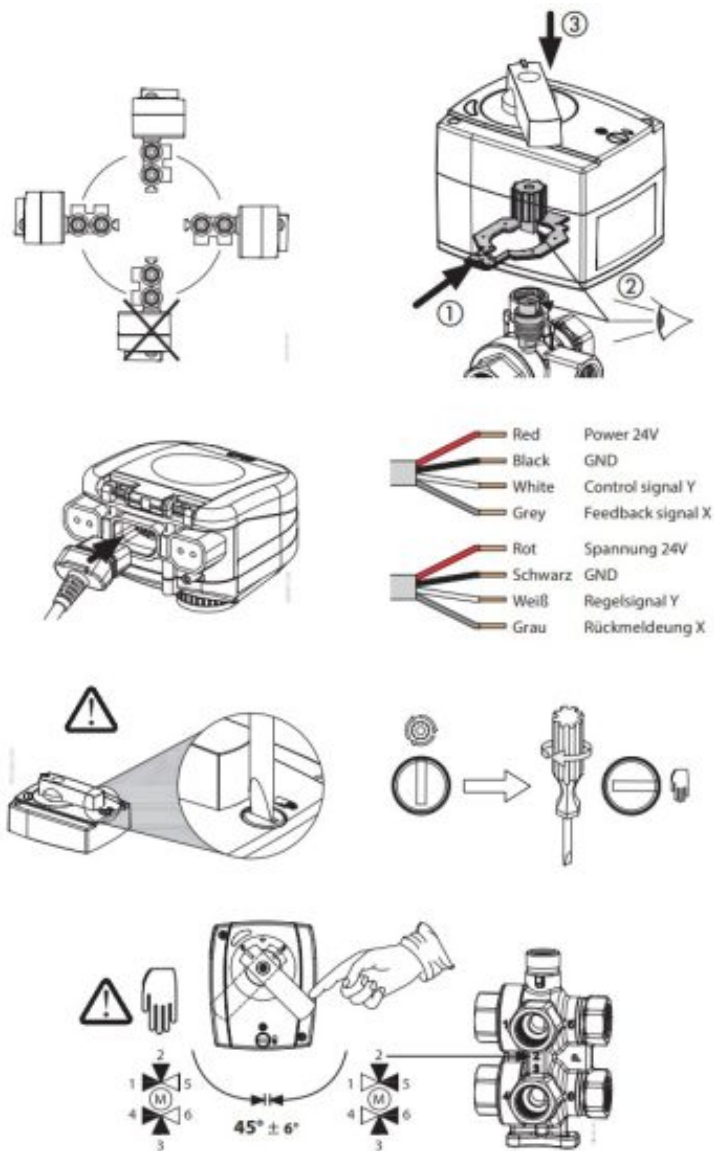


The AB-QM 4.0 CO6 Flexo Set valve must be properly supported. The holes with M5 thread at ChangeOver6 valve can be used for fixing/hanging.

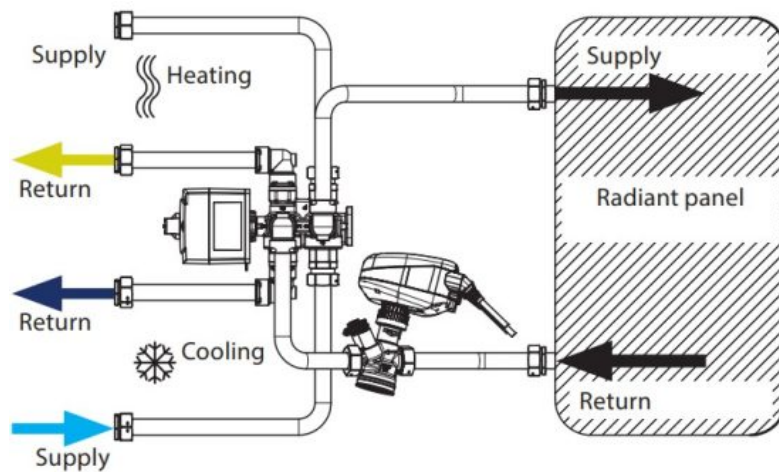
Installation





⚠ Ensure the system can compensate for thermal expansion in the pipes without deformation or twisting of the set.





The 6 ports of the ChangeOver6 valve allow the following flow directions.

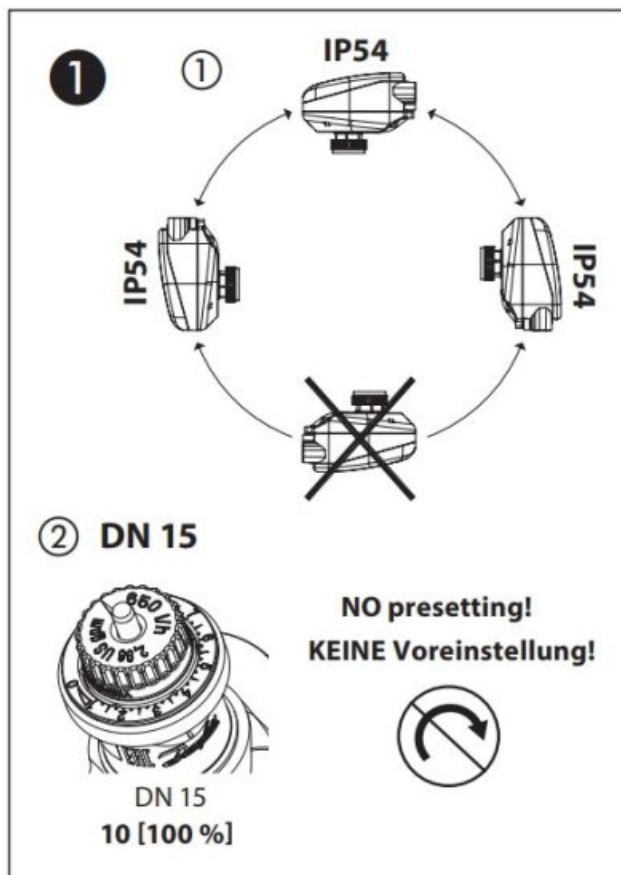


	Control Signal from NovoCon: Cooling
	Port 1 to port 2 and port 3 to port 4
	Control Signal from NovoCon: Heating
	Port 5 to port 2 and port 3 to port 6
	Heating or cooling distribution pipes
	Ports 7,4, 5 and 6
	Terminal unit pipes
	Ports 2 and 3

Sizing

Setting	DN15 LF			DN 15		
	L/h	L/s	GPM	L/h	L/s	GPM
10%	20	0.006	0.09	65	0.018	0.29
15%	30	0.008	0.13	98	0.027	0.43
20%	40	0.011	0.18	130	0.036	0.57
25%	50	0.014	0.22	163	0.045	0.72
30%	60	0.017	0.26	195	0.054	0.86
35%	70	0.019	0.31	228	0.063	1.00
40%	80	0.022	0.35	260	0.072	1.14
45%	90	0.025	0.40	293	0.081	1.29
50%	100	0.028	0.44	325	0.090	1.43
55%	110	0.031	0.48	358	0.099	1.57
60%	120	0.033	0.53	390	0.108	1.72
65%	130	0.036	0.57	423	0.117	1.86
70%	140	0.039	0.62	455	0.126	2.00
75%	150	0.042	0.66	488	0.135	2.15
80%	160	0.044	0.70	520	0.144	2.29
85%	170	0.047	0.75	553	0.154	2.43
90%	180	0.050	0.79	585	0.163	2.58
95%	190	0.053	0.84	618	0.172	2.72
100%	200	0.056	0.88	650	0.181	2.86

Operating Guide
NovoCon® S



When using NovoCon S – no presetting of AB-QM 4.0 valve is needed.

Danfoss A/S

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Documents / Resources

	<p>Danfoss DN 15 Change Over 6 Flexo [pdf] User Guide</p> <p>4.0, DN 15, DN 15 Change Over 6 Flexo, DN 15, Change Over 6 Flexo, Over 6 Flexo, 6 Flexo, Flexo</p>
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References

- [User Manual](#)

Manuals+, Privacy Policy

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