ENGINEERING
TOMORROW

Flyer | SVL Flexline®

Raising the bar for **SVL Flexline®**

Danfoss is pleased to introduce a new range of SVL valves approved up to 65 bar and has a temperature range from - 60°c to 150°c. The characteristics of the new valve makes it perfectly suited for the requirements of industrial ammonia (R717) heat recovery systems as well as sub critical CO_2 (R744) systems.

The SVL 65 valves approved for 65 bar are perfectly suited for the requirements of industrial ammonia (R717) heat recovery systems and sub critical CO_2 (R744) systems.

Using a higher pressure has several advantages. For sub critical CO_2 systems, the higher pressure means that smaller stand-still units can be used or left out entirely as the saturation temperature rises from 16°C to 25,5°C. Furthermore, the higher pressure enables hot gas to be taken from the transcritical side.

For ammonia heat pumps the higher pressure allows for a rise in the saturation temperature from 90°C to 102°C. This means you can have same capacity with fewer compressors and a higher supply temperature which enables the water to be used in a broader application range.

The valve is based on the acknowledged SVL platform which above all is characterized by flexibility. Using just two basic valve housings – a straightway and an angle way – the platform offers five different functions. You will find that this simplicity offers you easy and time saving usage in many processes.

Danfoss Flexline™ products offer an easy road to sustainability with low life cycle costs, low emissions from leaks and approvals for use with low GWP refrigerants.

Features and benefits

- Handles wide temperature range from -60 to +150°C [-76 to 302°F]
- Handles working pressure up to 65 bar (943 psi)
- Offers you one common housing that allows easy and time saving switch between the functions
- Delivers a smooth opening and closing operation along with very high reliability
- Handles constant high temperatures in R717 Heat Pumps with special replacement kit.

SVL overview parts and complete valves

Size	Parts Production											Replacement kit	
	Housing				Top complete								
	ANG		STR		SVA-S (cap)	SVA-L (cap)	SCA-X	CHV-X	REG-SA	REG-SB	FIA	For R717 heat pumps	for R1270
	DIN	ANSI	DIN	ANSI									
DN 6	148B6689	148B6687	148B6693	148B6691	148B6695								
DN 10	148B6690	148B6688	148B6694	148B6692					148B5761	148B5764		148B6084	148B6085
DN 15	148B6622	148B6612	148B6642	148B6632	148B6652	148B6659	148B5769	148B5776	148B5762	148B5765	148B5783	148B6070	148B6077
DN 20	148B6623	148B6613	148B6643	148B6633									
DN 25	148B6624	148B6614	148B6644	148B6634	148B6653	148B6660	148B5770	148B5777	148B5763	148B5766	148B5784	148B6071	148B6078
DN 32	148B6625	148B6615	148B6645	148B6635									
DN 40	148B6626	148B6616	148B6646	148B6636									
DN 50	148B6627	148B6617	148B6647	148B6637	148B6654		148B5771	148B5778		148B5767	148B5785	148B6072	148B6079
DN 65	148B6628	148B6618	148B6648	148B6638	148B6655		148B5772	148B5779		148B5768	148B5786	148B6073	148B6080
DN 80	148B6629	148B6619	148B6649	148B6639	148B6656		148B5773	148B5780			148B5787	148B6074	148B6081
DN 100	148B6630	148B6620	148B6650	148B6640	148B6657		148B5774	148B5781			148B5788	148B6075	148B6082
DN 125	148B6631	148B6621	148B6651	148B6641	148B6658		148B5775	148B5782			148B5789	148B6076	148B6083
DN 150													
DN 200													

Size	Complete valve							
	SVA (cap)				FIA			
	ANG		STR		ANG		STR	
	DIN	ANSI	DIN	ANSI	DIN	ANSI	DIN	ANSI
DN 150	148B6665	148B6667	148B6666	148B6668	148B6669	148B6671	148B6670	148B6672
DN 200	148B6673	148B6675	148B6674	148B6676	148B6677	148B6679	148B6678	148B6680