

Data Sheet

Shut-off valve Type **SVA-S SS** and **SVA-L SS**

Designed for highly demanding production environments,
where corrosion is a risk



In certain specific areas such as outdoor applications and corrosive atmospheres, such as coastal installations, there is a need for high surface protection to prevent failure due to corrosion.

Today's food safety standards often call for daily treatment with detergents to protect against bacteria growth, again producing a need for high surface protection.

SVA-S/L SS are angleway and straightway stainless steel shut-off valves, which are designed to meet all industrial refrigeration application requirements.

The valves are designed to give favourable flow characteristics and are easy to dismantle and repair when necessary. The valve cone is designed to ensure perfect closing.

Features

- Applicable to HCFC, HFC, R717 (Ammonia), R744 (CO₂) and all flammable refrigerants
- Optional accessories:
 - Heavy duty industrial hand wheel for frequent operation
 - Cap for infrequent operation
- Available in angleway and straightway versions with Standard neck or Long neck (DN 15 to DN 40) for insulated systems
- Designed to give favourable flow conditions
- Internal backseating enables replacement of the spindle seal whilst the valve is active, i.e. under pressure
- Housing is made of stainless steel approved for low temperature operations
- Easy to disassemble for inspection and service
- SVA-S/L SS shut-off valves can accept flow in either direction
- Butt-weld DIN, Butt-weld ANSI and Socket Weld connections
- Maximum allowable working pressure and temperature range:
 - DN 15-65: 52 bar (754 psi) at -60 °C/+50 °C (-76 °F/+122 °F)
 - DN 80-150: 50 bar (725 psi) at -60 °C/+50 °C (-76 °F/+122 °F) For SVA-S/L SS see the relation between PS and temperature in the curve on [Figure 1](#) page 4
- Temperature range: -60 °C/+150 °C (-76 °F +302 °F)
- Compact and light valves for easy handling and installation
- Classification: DNV, CRN, BV, EAC etc. To get an updated list of certification on the products please contact your local Danfoss Sales Company

Media

Refrigerants

Applicable to HCFC, HFC, R717 (Ammonia), R744 (CO₂) and all flammable refrigerants. For further information please contact your local Danfoss Sales Company.

New refrigerants

Danfoss products are continually evaluated for use with new refrigerants depending on market requirements.

When a refrigerant is approved for use by Danfoss, it is added to the relevant portfolio, and the R number of the refrigerant (e.g. R513A) will be added to the technical data of the code number. Therefore, products for specific refrigerants are best checked at store.danfoss.com/en/, or by contacting your local Danfoss representative.

Product specification

Pressure and temperature data

Figure 1: Pressure and temperature range

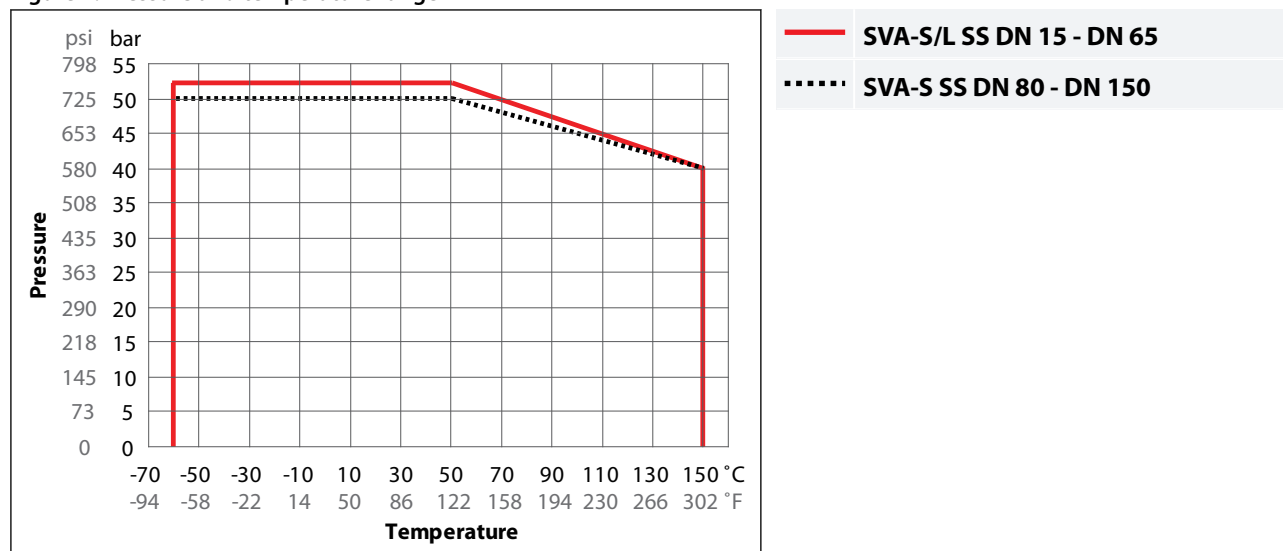


Table 1: Pressure and temperature range

Description	Values
Temperature Range	-60 °C / +150 °C (-76 °F / +302 °F)
Pressure range	The valves are designed for max. working pressure 52 barg (754 psig), 50 barg (725 psig) for DN 80 - DN 150

Design

Housing

Made of stainless steel approved for low temperature operations.

Valve cone

The valve cone can be turned on the spindle, thus there will be no friction between the cone and the seat, when the valve is opened and closed. A teflon tightening ring provides perfect sealing at a minimum closing momentum.

Spindle

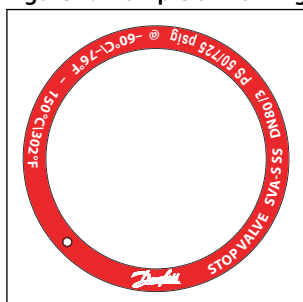
Made of polished stainless steel, ideal for O-ring sealing. Furthermore, parts of the spindle are heat treated to obtain anti-abrasive/adhesive properties.

Packing gland

The stainless steel packing gland comprises a spring loaded seal packing gland which ensures a perfect tightness in the range: -60 °C / +150 °C (-76 °F / +302 °F). The packing glands are equipped with a scraper ring to prevent penetration of dirt and ice into the packing gland.

For special and/or high demanding applications/conditions which run with high constant temperatures, it is recommended to replace the packing gland with "HL Packing Gland" as spare part. For more information, please, contact your local Danfoss sales representative.

Figure 2: Example of Marking Ring



Installation

It is recommended that the valves be installed in the direction of flow indicated by the arrow on the valve body. The valve can be installed in the opposite direction but this slightly reduces the k_v -value (C_v -value).

The valve is designed to withstand high internal pressure. However, the piping system in general should be designed to avoid liquid traps and reduce the risk of hydraulic pressure caused by thermal expansion.

For further information refer to installation guide for SVA-S/L SS.

Connections

Available with the following connections:

- Butt-weld DIN (EN 10220)
 - DN 15 - 125 (½ - 5 in.)
- Butt-weld ANSI (B 36.19M)
 - DN 15 - 150 (½ - 6 in.)
- Socket Weld (ANSI B 16.11)
 - DN 20 - DN 50 (¾ - 2 in.)

Figure 3: DIN

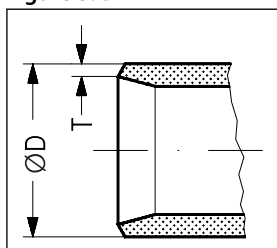


Figure 4: ANSI

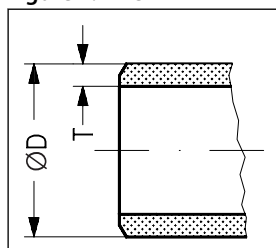


Figure 5: SOC

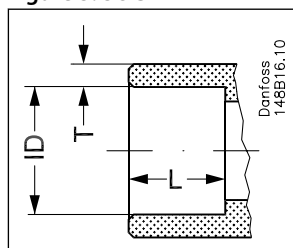


Table 2: Butt-weld DIN (EN 10220)

Size		ØD	T
15	mm	21.3	2.3
½	in.	0.839	0.091
20	mm	26.9	2.3
¾	in.	1.059	0.091
25	mm	33.7	2.6
1	in.	1.327	0.103
32	mm	42.4	2.6
1¼	in.	1.669	0.102
40	mm	48.3	2.6
1½	in.	1.902	0.103
50	mm	60.3	2.9
2	in.	2.37	0.11
65	mm	76.1	2.9
2½	in.	3	0.11
80	mm	88.9	3.2
3	in.	3.5	0.13
100	mm	114.3	3.6

Shut-off valve, Type SVA-S SS and SVA-L SS

Size		ØD	T
4	in.	4.5	0.14
125	mm	139.7	4
5	in.	5.5	0.16

Table 3: Butt-weld ANSI (B 36.19M, SCHEDULE 40)

Size		ØD	T
15	mm	21.3	2.3
½	in.	0.839	0.091
20	mm	26.9	2.9
¾	in.	1.06	0.11
25	mm	33.7	3.5
1	in.	1.33	0.14
32	mm	42.4	3.6
1¼	in.	1.67	0.14
40	mm	48.3	3.7
1½	in.	1.9	0.15
65	mm	73	5.2
2½	in.	2.87	0.2
80	mm	88.9	5.5
3	in.	3.5	0.22
100	mm	114.3	6.0
4	in.	4.5	0.24
125	mm	141.3	6.6
5	in.	5.56	0.26
150	mm	168.3	7.1
6	in.	6.63	0.28

Table 4: Butt-weld ANSI (B 36.19M, SCHEDULE 10)

Size		ØD	T
50	mm	60.3	2.8
2	in.	2.37	0.11
65	mm	73	3.1
2½	in.	2.87	0.12
80	mm	88.9	3.1
3	in.	3.5	0.12
100	mm	114.3	3.1
4	in.	4.5	0.12

Table 5: Socket welding ANSI (B 16.11)

Size		ID	T	L
20	mm	27.2	4.6	13
¾	in.	1.071	0.181	0.51
25	mm	33.9	7.2	13
1	in.	1.335	0.284	0.51
32	mm	42.7	6.1	13
1¼	in.	1.743	0.240	0.51
40	mm	48.8	6.6	13
1½	in.	1.921	0.260	0.51
50	mm	61.2	6.2	16
2	in.	2.41	0.24	0.63

Material specification

SVA-S SS 15-40 (½ - 1½ in.)

Figure 6: SVA-S SS 15-40 (½ - 1½ in.)

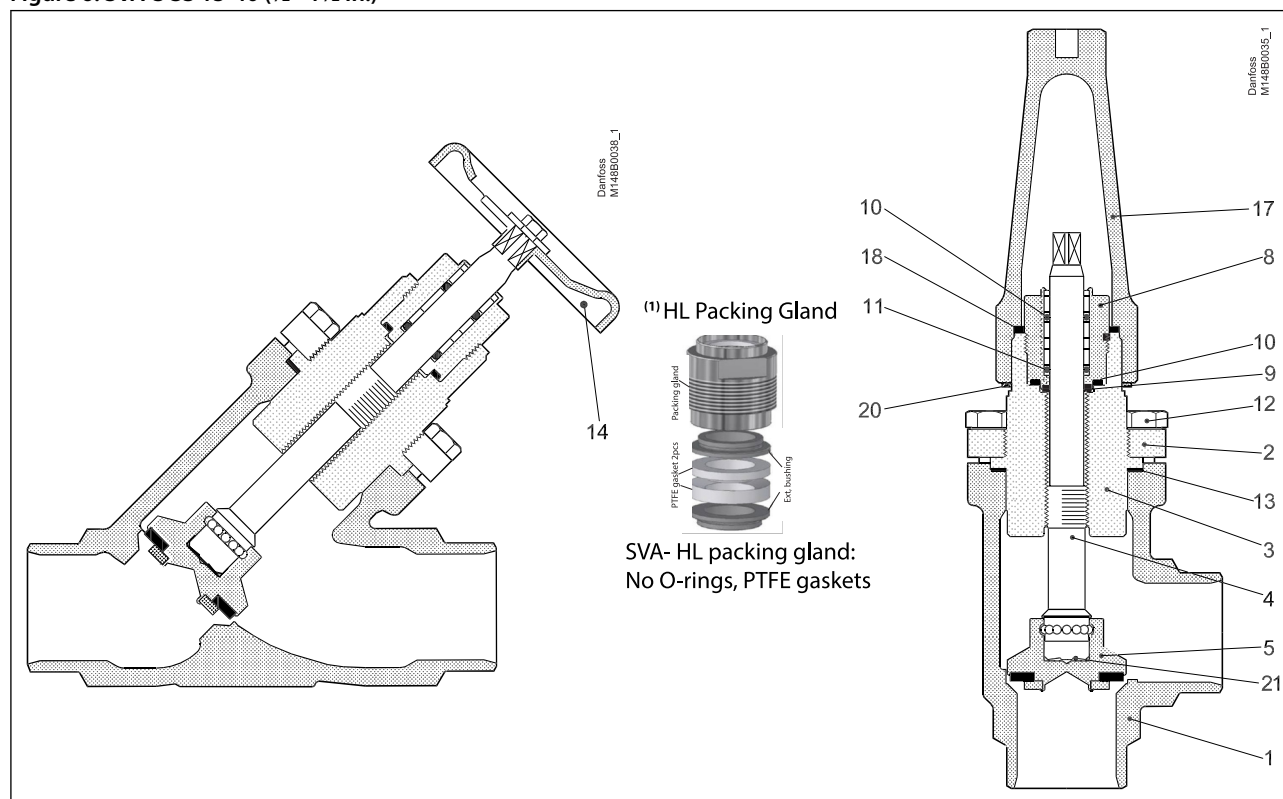


Table 6: Parts list and materials

No.	Part	Material	EN	ISO	ASTM
1	Housing	Stainless steel	GX5CrNi19-1 EN10213-4		AISI 304
2	Bonnet, Flange	Stainless steel	X5CrNi18-10 EN10088		AISI 304
3	Bonnet, Insert	Stainless steel	X8CrNiS18-9 DIN 17440		AISI 303
4	Spindle	Stainless steel	X8CrNiS18-9 DIN 17440	Type 17 683/13	AISI 303
5	Cone/Cone seal	Steel/Teflon (PTFE)			
8	Packing gland	Stainless steel ⁽¹⁾ (HL version) see pos. 8	X8CrNiS18-9 10088	Type 17 683/13	AISI 303
9	Packing washer	Aluminium ⁽¹⁾ None			
10	O-ring	Chloroprene ⁽¹⁾ None			
11	Spring loaded Teflon ring	PTFE ⁽¹⁾ None			
12	Bolts	Stainless steel	A2-70	A2-70	Type 308
13	Gasket	Fiber, Non-asbestos			
14	Handwheel	Steel			
17	Cap	Aluminium			
18	Gasket for cap	Nylon			
20	Identification ring	Stainless steel			
21	Disk spring	Steel			

⁽¹⁾ SVA SS with HL Packing gland only (see Table 26)

SVA-L SS 15 - 40 (½ - 1½ in.)

Figure 7: SVA-L SS 15 - 40 (½ - 1½ in.)

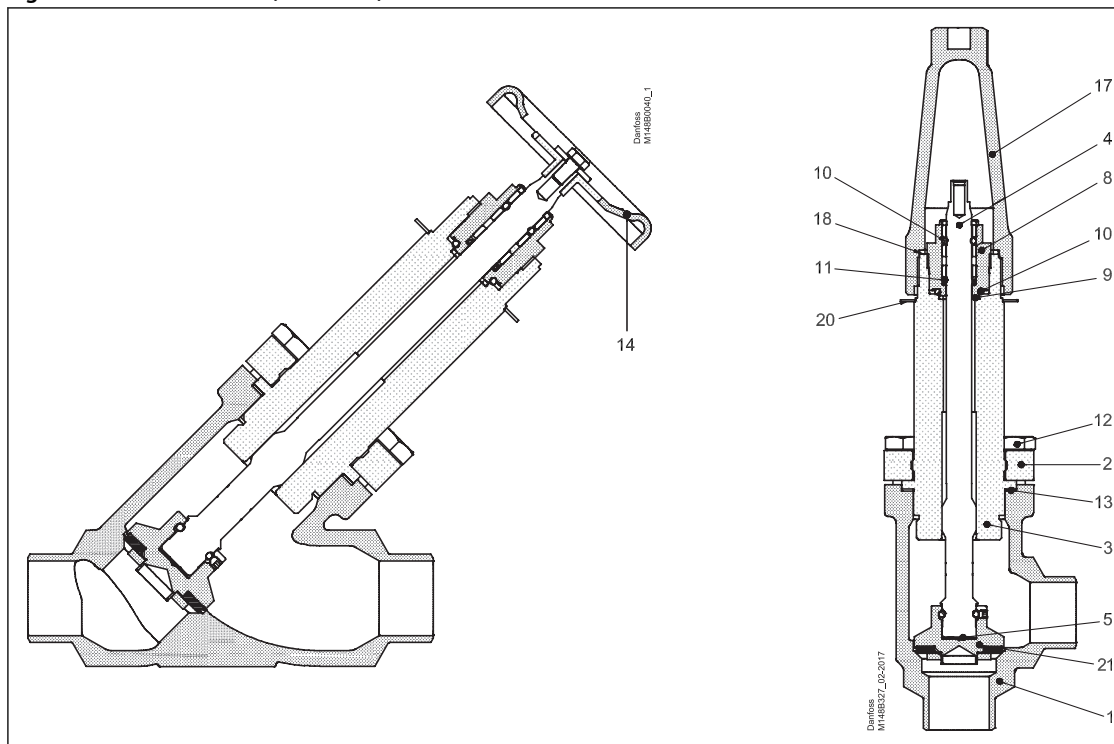


Table 7: Parts list and materials

No.	Part	Material	EN	ISO	ASTM
1	Housing	Stainless steel	GX5CrNi19-10 EN10213-4		AISI 304
2	Bonnet, Flange	Stainless steel	X5CrNi18-10 EN10088		AISI 304
3	Bonnet, Insert	Stainless steel	X8CrNi18-9 DIN 17440		AISI 303
4	Spindle	Stainless steel	X8CrNi18-9 DIN 17440	Type 17 683/13	AISI 303
5	Cone/Cone seal	Steel/Teflon (PTFE)			
8	Packing gland	Stainless steel	X8CrNi18-9 10088	Type 17 683/13	AISI 303
9	Packing washer	Aluminium			
10	O-ring	Chloroprene			
11	Spring loaded Teflon ring	PTFE			
12	Bolts	Stainless steel	A2-70	A2-70	Type 308
13	Gasket	Fiber, Non-asbestos			
14	Handwheel	Steel			
17	Cap	Aluminium			
18	Gasket for cap	Nylon			
20	Identification ring	Stainless steel			
21	Disk spring	Steel			

SVA-S SS 50-65 (2 - 2½ in.)

Figure 8: SVA-S SS 50-65 (2 - 2½ in.)

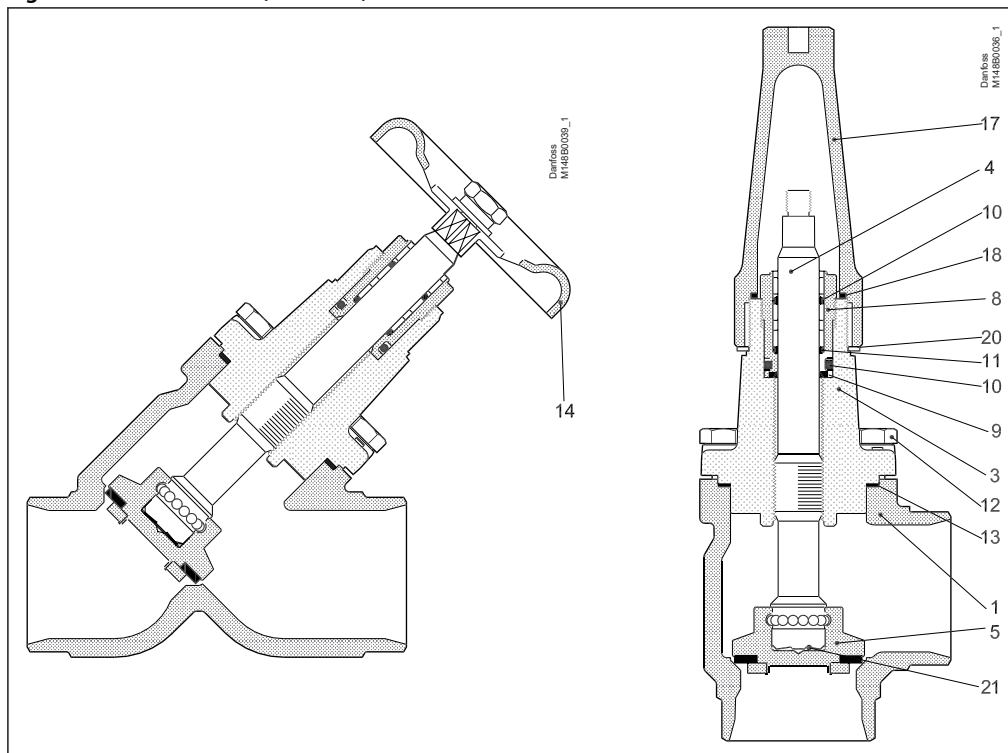


Table 8: Parts list and materials

No.	Part	Material	EN	ISO	ASTM
1	Housing	Stainless steel	GX5CrNi19-10 EN10213-4		AISI 304
3	Valve bonnet	Stainless steel	GX5CrNi19-10 EN10213-4		AISI 304
4	Spindle	Stainless steel	X8CrNiS18-9 DIN 17440	Type 17 683/13	AISI 303
5	Cone/Cone seal	Steel/Teflon (PTFE)			
8	Packing gland	Stainless steel	X8CrNiS18-9 10088	Type 17 683/13	AISI 303
9	Packing washer	Aluminium			
10	O-ring	Cloroprene (Neoprene)			
11	Spring loaded Teflon ring	PTFE			
12	Bolts	Stainless steel	A2-70	A2-70	Type 308
13	Gasket	Fiber, Non-asbestos			
14	Handwheel	Steel			
17	Cap	Aluminium			
18	Gasket for cap	Nylon			
19	Locking nut	Steel			
20	Identification ring	Stainless steel			
21	Disk spring	Steel			

SVA-S SS 80 - 150 (3 - 6 in.)

Figure 9: SVA-S SS 80 - 150 (3 - 6 in.)

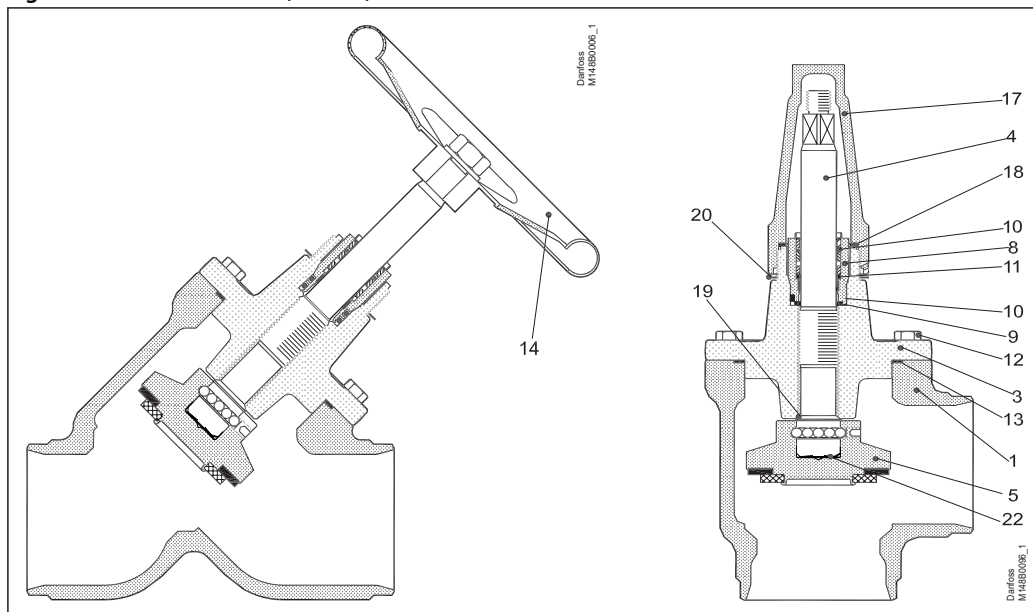


Table 9: Parts list and materials

No.	Part	Material	EN	ISO	ASTM
1	Housing	Stainless steel	GX5CrNi19-10 EN10213-4		AISI 304
3	Valve bonnet	Stainless steel	GX5CrNiMo19-11-2 EN10213-4		AISI 304
4	Spindle	Stainless steel	X5CrNi18-10 DIN 17440	Type 17 683/13	AISI 303
5	Cone/Cone seal	Steel/Teflon (PTFE)			
8	Packing gland	Stainless steel		Type 17 R 683/13	AISI 303
9	Packing washer	Aluminium			
10	O-ring	Cloroprene (Neoprene)			
11	Spring loaded Teflon ring	PTFE			
12	Bolts	Stainless steel	A2-70	A2-70	Type 308
13	Gasket	Fiber, Non-asbestos			
14	Hand wheel	Steel			
17	Cap	Aluminium			
18	Gasket for cap	Nylon (PA 6)			
19	Soft backseat	Teflon (PTFE)			
20	Identification ring	Stainless steel			
22	Disk spring	Steel			

Dimensions and weight

SVA S SS 15 - 40 (½ - 1½ in.) in angleway version with cap / hand wheel

Figure 10: SVA S SS 15 - 40 (½ - 1½ in.) in angleway version with cap / hand wheel

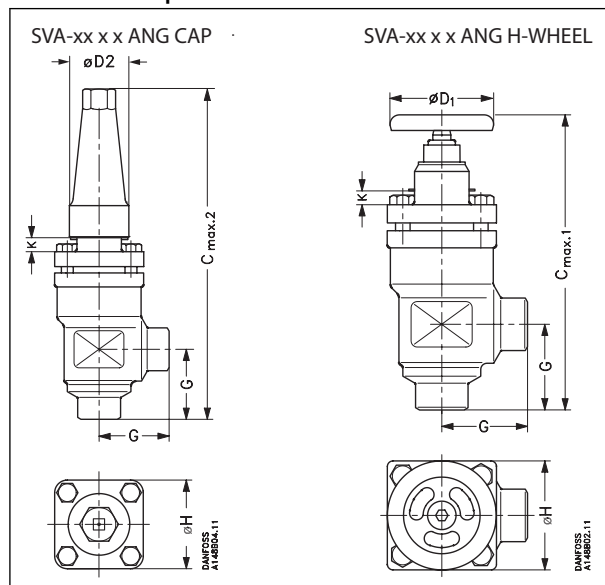


Table 10: SVA S SS 15 - 40 (½ - 1½ in.)

Valve size		K	C _{max.1}	C _{max.2}	G	ØD ₁	ØD ₂	ØH	Weight
SVA-S SS 15-20	mm	4	178	189	45	60	38	60	1.4 kg
SVA-S SS ½ - ¾"	in.	0.16	7	7.44	1.77	2.36	1.5	2.36	3.1 lbs
SVA-S SS 25-40	mm	12	234	268	55	80	50	70	2.4 kg
SVA-S SS 1 - 1"	in.	0.47	9.21	10.55	2.17	3.15	1.97	2.76	5.3 lbs

NOTE:

Specified weights are approximate values only.

SVA-S/L SS 15 - 40 (½ - 1½ in.) straightway version with cap / hand wheel

Figure 11: SVA-S/L SS 15 - 40 (½ - 1½ in.) straightway version with cap / hand wheel

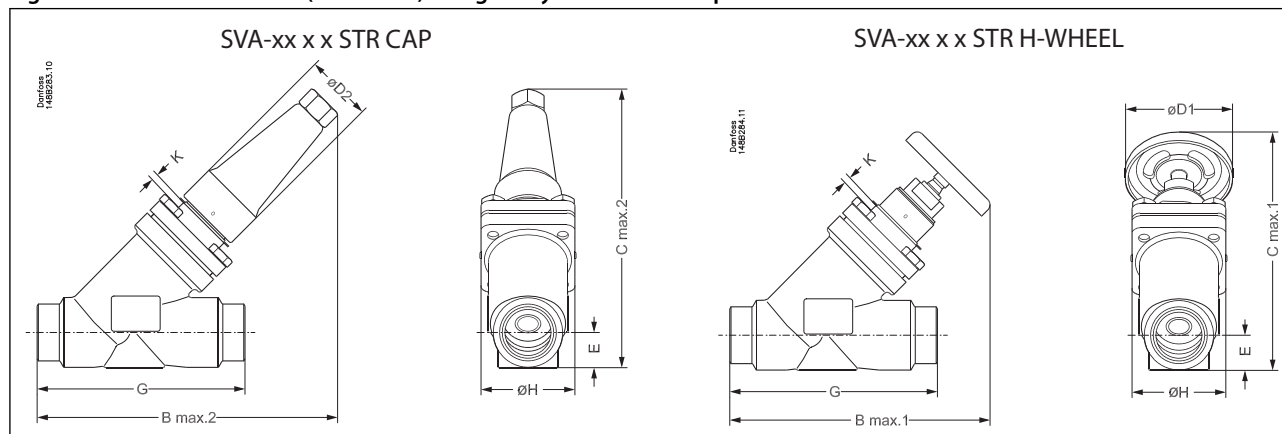


Table 11: SVA-S SS 15 - 40 (½ - 1½ in.)

Valve size		K	C _{max.1}	C _{max.2}	B _{max.1}	B _{max.2}	E	G	ØD ₁	ØD ₂	ØH	Weight
SVA-S SS 15 - 20	mm	4	146	141	160	156	20	120	60	38	60	2.0 kg
SVA-S SS ½ - ¾"	in.	0.16	5.74	5.55	6.3	6.14	0.79	4.72	2.36	1.5	2.36	4.4 lb
SVA-S SS 25 - 40	mm	12	199	208	212	222	26	155	80	50	70	3.0 kg
SVA-S SS (1 - 1½)	in.	0.47	7.83	8.19	8.35	8.74	1.02	6.1	3.15	1.97	2.76	6.6 lb

Shut-off valve, Type SVA-S SS and SVA-L SS

NOTE:

Specified weights are approximate values only.

Table 12: SVA-L SS 15 - 40 (½ - 1½ in.)

Valve size		K	C _{max.1}	C _{max.2}	B _{max.1}	B _{max.2}	E	G	ØD ₁	ØD ₂	ØH	Weight
SVA-L SS 15 - 20	mm	63	188	184	202	198	20	120	60	38	60	2.0 kg
SVA-L SS (½ - ¾)	in.	2.48	7.4	7.24	7.95	7.8	0.79	4.72	2.36	1.5	2.36	4.4 lb
SVA-L SS 25 - 40	mm	74	243	252	256	265	26	155	80	50	70	3.0 kg
SVA-L SS (1 - 1½)	in.	2.91	9.57	9.92	10.08	10.43	1.02	6.1	3.15	1.97	2.76	6.6 lb

NOTE:

Specified weights are approximate values only.

SVA-S SS 50 - 65 (2 - 2½ in.) in angleway version with cap / hand wheel

Figure 12: SVA-S SS 50 - 65 (2 - 2½ in.) in angleway version with cap / hand wheel

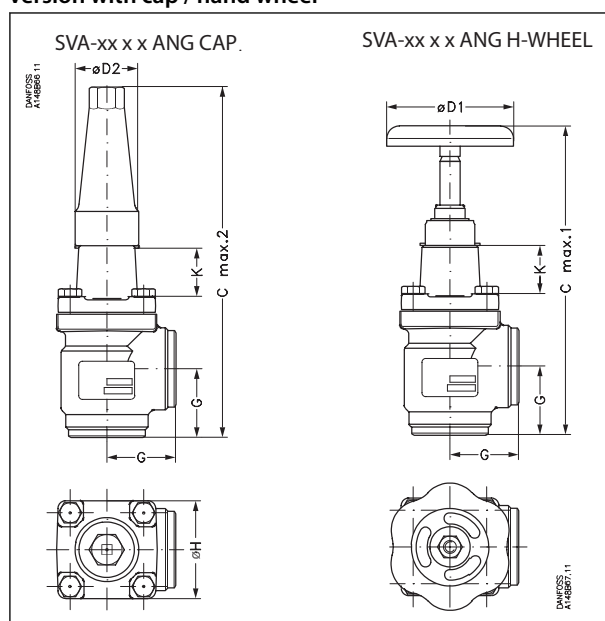


Table 13: SVA-S SS 50 - 65 (2 - 2½ in.)

Valve size		K	C _{max.1}	C _{max.2}	G	ØD ₁	ØD ₂	ØH	Weight
SVA-S SS 50	mm	70	284	315	60	100	50	77	3.2 kg
SVA-S SS (2)	in.	2.76	11.18	12.4	2.36	3.94	1.97	3.03	7.1 lb
SVA-S SS 65	mm	70	310	335	70	100	50	90	4.8 kg
SVA-S SS (2½)	in.	2.76	12.2	13.19	2.76	3.94	1.97	3.54	10.6 lb

NOTE:

Specified weights are approximate values only.

SVA-S SS 50 - 65 (2 - 2½ in.) in straightway version with cap / hand wheel

Figure 13: SVA-S SS 50 - 65 (2 - 2½ in.) in straightway version with cap / hand wheel

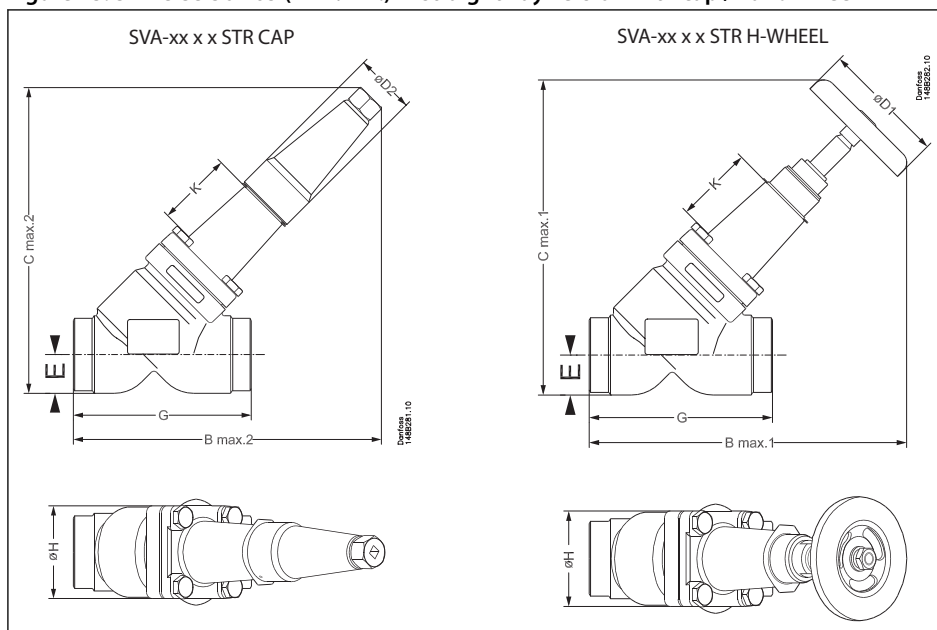


Table 14: SVA-S SS 50 - 65 (2 - 2½ in.)

Valve size		K	B _{max.1}	B _{max.2}	C _{max.1}	C _{max.2}	E	G	ØD ₁	ØD ₂	ØH	Weight
SVA-S SS 50	mm	70	259	259	257	257	32	148	100	50	77	4.2 kg
SVA-S SS (2)	in.	2.76	10.2	10.2	10.12	10.12	1.26	5.83	3.94	1.97	3.03	9.3 lb
SVA-S SS 65	mm	70	284	280	284	280	40	176	100	50	90	6.3 kg
SVA-S SS (2½)	in.	2.76	11.18	11.02	11.18	11.02	1.57	6.93	3.94	1.97	3.54	13.9 lb

NOTE:

Specified weights are approximate values only.

SVA-S SS 80 - 150 (3 - 6 in.) angleway version with cap

**Figure 14: SVA-S SS 80 - 150
(3 - 6 in.) angleway version
with cap**

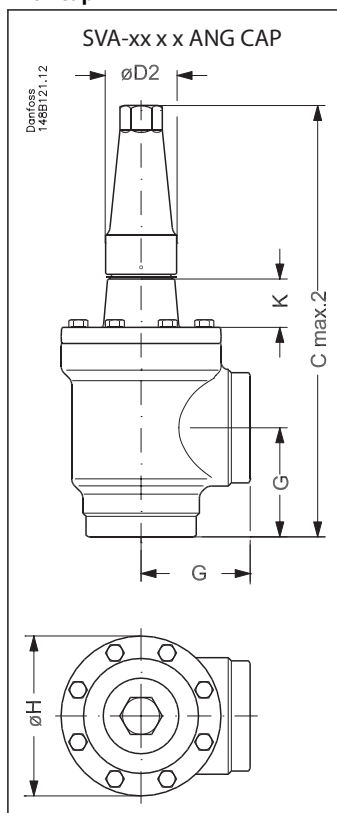


Table 15: SVA-S SS 80 - 150 (3 - 6 in.)

Valve size			K		C _{max.2}		G	ØD ₂		ØH	Weight
SVA-S SS 80	mm		76		388		90	58		129	9.7 kg
SVA-S SS (3)	in.		3		15.28		3.54	2.28		5.08	21.4 lb
SVA-S SS 100	mm		90		437		106	58		156	15.3 kg
SVA-S SS (4)	in.		3.54		17.2		4.17	2.28		6.14	33.7 lb
SVA-S SS 125	mm		90		533		128	74		193	28.1 kg
SVA-S SS (5)	in.		3.54		20.98		5.04	2.91		7.6	61.9 lb
SVA-S SS 150	mm		90		568		145	74		219	39.7 kg
SVA-S SS (6)	in.		3.54		22.36		5.71	2.91		8.62	87.5 lb

NOTE:

Specified weights are approximate values only.

SVA-S SS 80 - 100 (3 - 4 in.) straight way version with cap

Figure 15: SVA-S SS 80 - 100 (3 - 4 in.) straight way version with cap

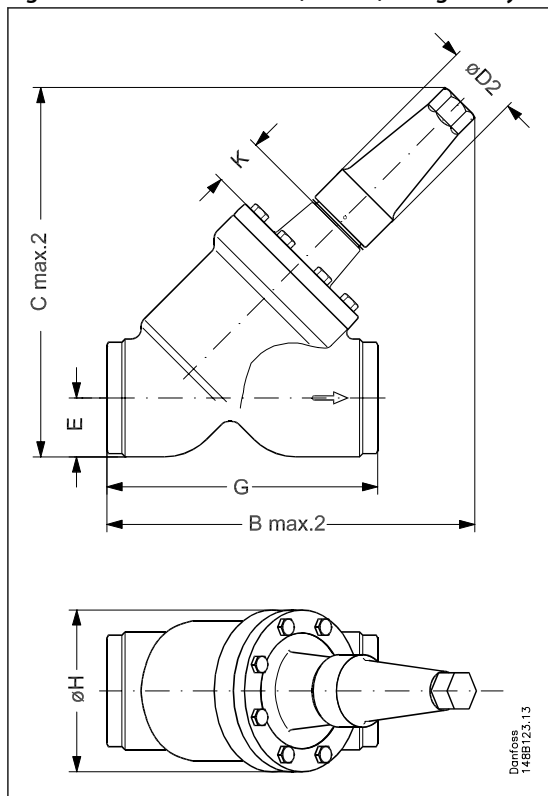


Table 16: SVA-S SS 80 - 100 (3 - 4 in.)

Valve size		K	B _{max.2}	C _{max.2}	E	G	ØD ₂	ØH	Weight
SVA-S SS 80	mm	76	321	322	48	216	58	129	10.9 kg
SVA-S SS (3)	in.	3.00	12.64	12.72	1.89	8.50	2.28	5.08	24.0 lb
SVA-S SS 100	mm	90	367	375	60	264	58	156	18.2 kg
SVA-S SS (4)	in.	3.54	14.45	14.76	2.36	10.39	2.28	6.14	40.1 lb

Ordering

Please note that the type codes only serve to identify the valves, some of which may not form part of the standard product range. For further information please contact your local Danfoss Sales Company.

Table 17: Type codes

Valve type	SVA-S/L SS	Shut-off valve	Available connections		
			D	A	SOC
Nominal size in mm (valve size measured on the connection diameter)	15	DN 15 (½)	x	x	
	20	DN 20 (¾)	x	x	x
	25	DN 25 (1)	x	x	x
	32	DN 32 (1¼)	x	x	x
	40	DN 40 (1½)	x	x	x
	50	DN 50 (2)	x	x	x
	65	DN 65 (2½)	x	x	
	80	DN 80 (3)	x	x	
	100	DN 100 (4)	x	x	
	125	DN 125 (5)	x	x	
	150	DN 150 (6)		x	
Connections	D	Butt-weld connection: DIN EN 10220			
	A	Butt-weld connection: ANSI B 36.19M			
	SOC	Socket weld connection: ANSI B 16.11			
Valve housing	ANG	Angle flow			
	STR	Straight flow			
Other equipment	H-WHEEL	Hand wheel			
	CAP	Cap			

NOTE:

Where products need to be certified according to specific certification societies or where higher pressures are required, the relevant information should be included at the time of order.

Ordering SVA-S SS

SVA-S SS Angleway

Table 18: Butt-weld DIN (EN 10220)

Size		Type	MWP		Code number
mm	in.		bar	psi	
15	½	SVA-S SS 15 D ANG H-WHEEL	52	754	148B5289
15	½	SVA-S SS 15 D ANG CAP	52	754	148B5290
20	¾	SVA-S SS 20 D ANG H-WHEEL	52	754	148B5377
20	¾	SVA-S SS 20 D ANG CAP	52	754	148B5378
25	1	SVA-S SS 25 D ANG H-WHEEL	52	754	148B5486
25	1	SVA-S SS 25 D ANG CAP	52	754	148B5487
32	1¼	SVA-S SS 32 D ANG H-WHEEL	52	754	148B5566
32	1¼	SVA-S SS 32 D ANG CAP	52	754	148B5567
40	1½	SVA-S SS 40 D ANG H-WHEEL	52	754	148B5646
40	1½	SVA-S SS 40 D ANG CAP	52	754	148B5647
50	2	SVA-S SS 50 D ANG H-WHEEL	52	754	148B5753
50	2	SVA-S SS 50 D ANG CAP	52	754	148B5754
65	2½	SVA-S SS 65 D ANG H-WHEEL	52	754	148B5847
65	2½	SVA-S SS 65 D ANG CAP	52	754	148B5848
80	3	SVA-S SS 80 D ANG CAP	50	725	148B5928
100	4	SVA-S SS 100 D ANG CAP	50	725	148B6032
125	5	SVA-S SS 125 D ANG CAP	50	725	148B6126

Shut-off valve, Type SVA-S SS and SVA-L SS

Table 19: Butt-weld ANSI (B 36.19M SCHEDULE 40)

Size		Type	MWP		Code number
mm	in.		bar	psi	
15	½	SVA-S SS 15 A40 ANG CAP	52	754	148B5396
20	¾	SVA-S SS 20 A40 ANG CAP	52	754	148B5395
25	1	SVA-S SS 25 A40 ANG CAP	52	754	148B6477
32	1¼	SVA-S SS 32 A40 ANG CAP	52	754	148B5595
40	1½	SVA-S SS 40 A40 ANG CAP	52	754	148B5683
65	2½	SVA-S SS 65 A40 ANG CAP	52	754	148B5854
100	4	SVA-S SS 100 A40 ANG CAP	50	725	148B4755
125	5	SVA-S SS 125 A40 ANG CAP	50	725	148B7013
150	6	SVA-S SS 150 A40 ANG CAP	50	725	148B7007

Table 20: Butt-weld ANSI (B 36.19M SCHEDULE 10)

Size		Type	MWP		Code number
mm	in.		bar	psi	
50	2	SVA-S SS 50 D/A10 ANG CAP	52	754	148B5754
65	2½	SVA-S SS 65 A10 ANG CAP	52	754	148B6448
80	3	SVA-S SS 80 D/A10 ANG CAP	50	725	148B5928
100	4	SVA-S SS 100 A10 ANG CAP	50	725	148B6035

Table 21: Socket weld ANSI (B 16.11)

Size		Type	MWP		Code number
mm	in.		bar	psi	
25	1	SVA-S SS 25 SOC ANG CAP	52	754	148B4751
50	2	SVA-S SS 50 SOC ANG CAP	52	754	148B7003

SVA-S SS Straightway

Table 22: Butt-weld DIN (EN 10220)

Size		Type	MWP		Code number
mm	in.		bar	psi	
15	½	SVA-S SS 15 D STR H-WHEEL	52	754	148B5291
15	½	SVA-S SS 15 D STR CAP	52	754	148B5292
20	¾	SVA-S SS 20 D STR H-WHEEL	52	754	148B5379
20	¾	SVA-S SS 20 D STR CAP	52	754	148B5380
25	1	SVA-S SS 25 D STR H-WHEEL	52	754	148B5488
25	1	SVA-S SS 25 D STR CAP	52	754	148B5489
32	1¼	SVA-S SS 32 D STR H-WHEEL	52	754	148B5568
32	1¼	SVA-S SS 32 D STR CAP	52	754	148B5569
40	1½	SVA-S SS 40 D STR H-WHEEL	52	754	148B5648
40	1½	SVA-S SS 40 D STR CAP	52	754	148B5649
50	2	SVA-S SS 50 D STR H-WHEEL	52	754	148B5755
50	2	SVA-S SS 50 D STR CAP	52	754	148B5756
65	2½	SVA-S SS 65 D STR H-WHEEL	52	754	148B5849
65	2½	SVA-S SS 65 D STR CAP	52	754	148B5850

Table 23: Butt-weld ANSI (B 36.19M SCHEDULE 40)

Size		Type	MWP		Code number
mm	in.		bar	psi	
15	½	SVA-S SS 15 A40 STR CAP	52	754	148B5397
20	¾	SVA-S SS 20 A40 STR CAP	52	754	148B5398
25	1	SVA-S SS 25 A40 STR CAP	52	754	148B5399
32	1¼	SVA-S SS 32 A40 STR CAP	52	754	148B5596
40	1½	SVA-S SS 40 A40 STR CAP	52	754	148B5684
65	2½	SVA-S SS 65 A40 STR CAP	52	754	148B5855
80	3	SVA-S SS 80 A40 STR CAP	50	725	148B7005
100	4	SVA-S SS 100 A40 STR CAP	50	725	148B7006

Shut-off valve, Type SVA-S SS and SVA-L SS

Table 24: Butt-weld ANSI (B 36.19M SCHEDULE 10)

Size		Type	MWP		Code number
mm	in.		bar	psi	
50	2	SVA-S SS 50 D/A10 STR CAP	52	754	148B5756
65	2½	SVA-S SS 65 A10 STR CAP	52	754	148B6449

Table 25: Socket weld ANSI (B 16.11)

Size		Type	MWP		Code number
mm	in.		bar	psi	
20	¾	SVA-S SS 20 SOC STR H-WHEEL	52	754	148B4750
25	1	SVA-S SS 25 SOC STR CAP	52	754	148B4752
32	1¼	SVA-S SS 32 SOC STR CAP	52	754	148B7001
40	1½	SVA-S SS 40 SOC STR H-WHEEL	52	754	148B7002
50	2	SVA-S SS 50 SOC STR CAP	52	754	148B7004

ANG = Angleway

STR = Straightway

CAP = Cap

H-WHEEL = Hand wheel

Example:

SVA-S SS 20 DIN angleway with hand wheel = **148B5377**

NOTE:

Where products need to be certified according to specific certification societies or where higher pressures are required, the relevant information should be included at the time of order.

SVA-SS with HL Packing Gland

Table 26: Butt-weld DIN (EN 10220)

Size		Type	MWP		Code Number
mm	in.		bar	psi	
15	½	SVA-HL SS 15 D STR CAP	52	754	148B6282
20	¾	SVA-HL SS 20 D STR CAP	52	754	148B6283
25	1	SVA-HL SS 25 D STR CAP	52	754	148B6284
32	1¼	SVA-HL SS 32 D STR CAP	52	754	148B6285

Ordering SVA-L SS

SVA-L SS Angleway

Table 27: Butt-weld DIN (EN 10220)

Size		Type	MWP		Code number
mm	in.		bar	psi	
15	½	SVA-L SS 15 D ANG H-WHEEL	52	754	148B6546
15	½	SVA-L SS 15 D ANG CAP	52	754	148B6547
20	¾	SVA-L SS 20 D ANG H-WHEEL	52	754	148B6550
20	¾	SVA-L SS 20 D ANG CAP	52	754	148B6551
25	1	SVA-L SS 25 D ANG H-WHEEL	52	754	148B6554
25	1	SVA-L SS 25 D ANG CAP	52	754	148B6555
32	1¼	SVA-L SS 32 D ANG H-WHEEL	52	754	148B6558
32	1¼	SVA-L SS 32 D ANG CAP	52	754	148B6559
40	1½	SVA-L SS 40 D ANG H-WHEEL	52	754	148B6562
40	1½	SVA-L SS 40 D ANG CAP	52	754	148B6563

SVA-L SS Straightway

Table 28: Butt-weld DIN (EN 10220)

Size		Type	MWP		Code number
mm	in.		bar	psi	
15	½	SVA-L SS 15 D STR H-WHEEL	52	754	148B6548
15	½	SVA-L SS 15 D STR CAP	52	754	148B6549
20	¾	SVA-L SS 20 D STR H-WHEEL	52	754	148B6552
20	¾	SVA-L SS 20 D STR CAP	52	754	148B6553
25	1	SVA-L SS 25 D STR H-WHEEL	52	754	148B6556
25	1	SVA-L SS 25 D STR CAP	52	754	148B6557
32	1¼	SVA-L SS 32 D STR H-WHEEL	52	754	148B6560
32	1¼	SVA-L SS 32 D STR CAP	52	754	148B6561
40	1½	SVA-L SS 40 D STR H-WHEEL	52	754	148B6564
40	1½	SVA-L SS 40 D STR CAP	52	754	148B6565

ANG = Angleway

STR = Straightway

CAP = Cap

H-WHEEL = Hand wheel

Certificates, declarations, and approvals

The list contains all certificates, declarations, and approvals for this product type. Individual code number may have some or all of these approvals, and certain local approvals may not appear on the list.

Some approvals may change over time. You can check the most current status at danfoss.com or contact your local Danfoss representative if you have any questions.

Table 29: Valid approvals

Type	File name	Document type	Document topic	Approval authority
SVA-SS	033F0686.AH	Manufacturers Declaration	PED	Danfoss
	033F0453.AD	Manufacturers Declaration	ATEX	Danfoss
	TSSA CRN.0C16578.523467890YTN	Pressure - Safety Certificate	CRN	TSSA
	033F0691.AE	Manufacturers Declaration	RoHS	Danfoss

Table 30: Pressure Equipment Directive (PED)

	The stainless steel valves are approved and CE marked in accordance with the Pressure Equipment Directive - 97/23/EC.
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Table 31: Compliance

SVA-S/L SS			
Nominal bore	DN≤ 25 mm (1 in.)	DN32-80 mm (1¼ - 3 in.)	DN 100 - 150 mm (4 - 6 in.)
Classified for	Fluid group I		
Category	Article 4, paragraph 3	II	III

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