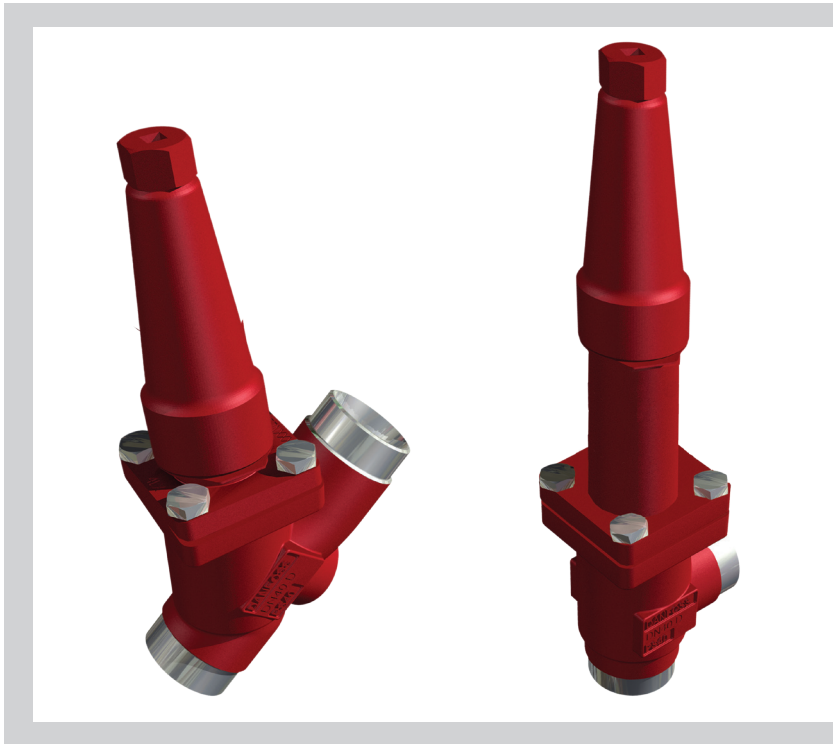


Technical brochure

Stop valves SVA-S and SVA-L



SVA Stop Valves are available in angleway and straightway versions and with Standard neck (SVA-S) and Long neck (SVA-L)

The stop valves are designed to meet all industrial refrigeration application requirements and 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 and withstand a high system pulsation and vibration, which can be present specifically in the discharge line.

Features

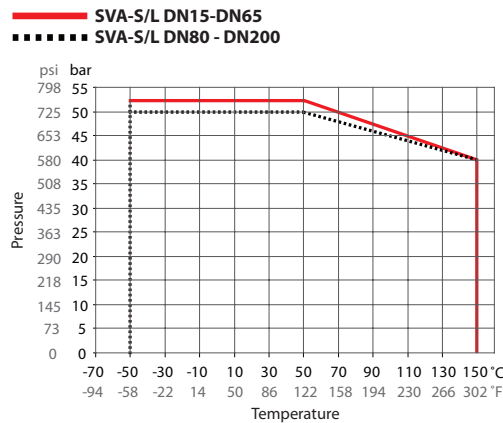
- Applicable to all common refrigerants including flammable hydrocarbons and all non-corrosive gases/liquids. Can be used in chemical and petro-chemical applications.
- Optional accessories:
 - Heavy duty industrial hand wheel for frequent operation.
 - Cap for infrequent operation.
- Available in angleway and straightway versions with Standard neck or Long neck (DN 15 to DN 40) for insulated systems.
- Each valve type is clearly marked with type, size and performance range.
- The valves and caps are prepared for sealing, to prevent operation by unauthorized persons, using a seal wire.
- Internal metal backseating:
 - DN 6 - 65 (1/4 - 2 1/2 in.)
 Internal PTFE backseating:
 - DN 80 - 200 (3 - 8 in.)
- Can accept flow in both directions.
- Housing and bonnet material is low temperature steel according to requirements of the Pressure Equipment Directive and other international classification authorities.
- Stainless steel bolts.
- Maximum allowable working pressure and temperature range:
Temperature: -50°C/+150°C (-58°F/+302°F)

Max working pressure:
SVA-S/L (DN 15-65) 52 bar (754 psi) within the temperature range -50°C/+50°C (-58°F/+122°F)
SVA-S/L (DN 80-200) 50 bar (725 psi) within the temperature range -50°C/+50°C (-58°F/+122°F)

Please refer to the pressure and temperature curve at page 2 for maximum working pressure within the temperature range -50°C to +150°C (-58°F to +302°F).
- Classification: DNV, CRN, BV etc.
To get an updated list of certification on the products please contact your local Danfoss Sales Company.

Stop valves, SVA-S and SVA-L

Pressure and temperature range



Design

Connections

Available with the following connections:

- Butt-weld DIN (EN 10220)
- Butt-weld ANSI (B 36.10 Schedule 80),
- DN 6 - 40 (1/4 - 1 1/2 in.)
- Butt-weld ANSI (B 36.10 Schedule 40),
- DN 50 - 200 (2 - 8 in.)
- Socket Weld (ANSI B 16.11),
- DN 15 - DN 50 (1/2 - 2 in.)
- Outside pipe thread
- G 1/2 in. - G 3/8 in. (ISO 228/1)
- FPT Female Pipe Thread, NPT
(ANSI/ASME B 1.20.1),
- DN 15 - 32 (1/2 - 1 1/4 in.)

Housing

Made of special, cold resistant steel.

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 and the special design will avoid cone spin due to pulsation and vibration when the valve is in open position. A teflon tightening ring provides perfect sealing with minimum closing force.

Spindle

Made of polished stainless steel, ideal for leap seal sealing.

Packing gland

The low temperature packing gland ensures a perfect tightness in the range: -50/+150°C (-58/+302°F). The packing glands are equipped with a scraper ring to prevent penetration of dirt and ice into the packing gland.

Pressure Equipment Directive (PED)

SVA valves are approved according to the European standard specified in the Pressure Equipment Directive and are CE marked.

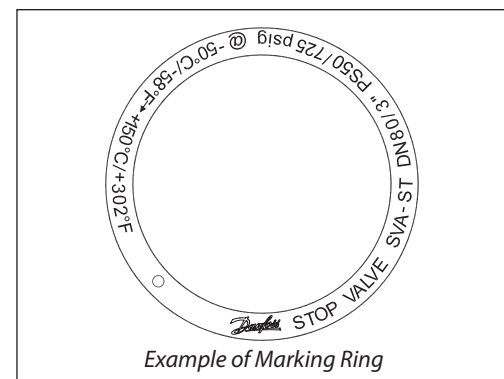
For further details / restrictions - see Installation Instruction.

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 instructions for SVA.



SVA			
Nominal bore	DN ≤ 25 mm (1 in.)	DN 32-80 mm (1 1/4 - 3 in.)	DN 100 - 200 mm (4-8 in.)
Classified for	Fluid group I		
Category	Article 3, paragraph 3	II	III

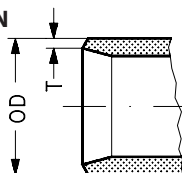
Stop valves, SVA-S and SVA-L

Technical data

- Refrigerants
Applicable to all common refrigerants including flammable hydrocarbons and all non-corrosive gases/liquids. For further information please see installation instruction for SVA.
- Temperature range
-50/+150°C (-76/+302°F).
- Pressure range
The valves are designed for max. working pressure 52 bar g (754 psi g).

Connections

DIN



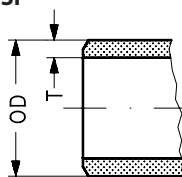
Size mm	Size in.	OD mm	T mm	OD in.	T in.			k_v -angle m ³ /h	k_v -straight m ³ /h	C_v -angle USgal/min	C_v -straight USgal/min
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Butt-weld DIN (EN 10220)

6	¼	13.5	2.3	0.531	0.091			2.9	2.0	3.4	2.4
10	¾	17.2	2.3	0.677	0.091			4.5	3.2	5.2	3.6
15	½	21.3	2.3	0.839	0.091			7.0	4.9	8.1	5.7
20	¾	26.9	2.3	1.059	0.091			14.6	10.2	16.9	11.8
25	1	33.7	2.6	1.327	0.103			24.8	17.4	28.8	20.2
32	1¼	42.4	2.6	1.669	0.102			42.6	29.8	49.4	34.6
40	1½	48.3	2.6	1.902	0.103			45.2	31.6	52.4	36.7
50	2	60.3	2.9	2.37	0.11			80	65	93	76
65	2½	76.1	2.9	3	0.11			120	97	140	113
80	3	88.9	3.2	3.50	0.13			182	152	211	176
100	4	114.3	3.6	4.50	0.14			313	278	363	323
125	5	139.7	4.0	5.50	0.16			514	470	596	545
150	6	168.3	4.5	6.63	0.18			785	597	911	693
200	8	219.1	6.3	8.63	0.25			1168	1024	1355	1188

Size mm	Size in.	OD mm	T mm	OD in.	T in.			k_v -angle m ³ /h	k_v -straight m ³ /h	C_v -angle USgal/min	C_v -straight USgal/min
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ANSI



Butt-weld ANSI (B 36.10 Schedule 80)

6	¼	13.5	3.0	0.531	0.118			2.9	2.03	3.4	2.4
10	¾	17.2	3.2	0.677	0.126			4.5	3.15	5.2	3.6
15	½	21.3	3.7	0.839	0.146			7.0	4.9	8.1	5.7
20	¾	26.9	4.0	1.059	0.158			14.6	10.2	16.9	11.8
25	1	33.7	4.6	1.327	0.181			24.8	17.4	28.8	20.2
32	1¼	42.4	4.9	1.669	0.193			42.6	29.8	49.4	34.6
40	1½	48.3	5.1	1.902	0.201			45.2	31.6	52.4	36.7

Butt-weld ANSI (B 36.10 Schedule 40)

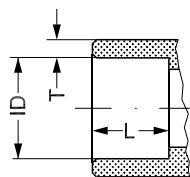
50	2	60.3	3.9	2.37	0.15			80	65	93	76
65	2½	73.0	5.2	2.87	0.20			120	97	140	113
80	3	88.9	5.5	3.50	0.22			182	152	211	176
100	4	114.3	6.0	4.50	0.24			313	278	363	323
125	5	141.3	6.6	5.56	0.26			514	470	596	545
150	6	168.3	7.1	6.63	0.28			785	597	911	693
200	8	219.1	8.2	8.63	0.32			1168	1024	1355	1188

Stop valves, SVA-S and SVA-L

Connections

Size mm	Size in.	OD mm	T mm	OD in.	T in.			k_v -angle m ³ /h	k_v -straight m ³ /h	C_v -angle USgal/min	C_v -straight USgal/min
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SOC

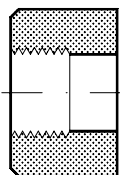


Socket welding ANSI (B 16.11)

15	½	21.8	6.0	0.858	0.235	10	0.39	7.0	4.9	8.1	5.7
20	¾	27.2	4.6	1.071	0.181	13	0.51	10.0	7.0	11.9	8.1
25	1	33.9	7.2	1.335	0.284	13	0.51	24.8	17.4	28.8	20.2
32	1¼	42.7	6.1	1.743	0.240	13	0.51	42.6	29.8	49.4	34.6
40	1½	48.8	6.6	1.921	0.260	13	0.51	45.2	31.6	52.4	36.7
50	2	61.2	6.2	2.41	0.24	16	0.63	80	65	93	76

Size mm	Size in.	Inside pipe thread			k_v -angle m ³ /h	k_v -straight m ³ /h	C_v -angle USgal/min	C_v -straight USgal/min
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FPT

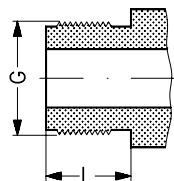


FPT inside pipe thread, NPT (ANSI/ASME B 1.20.1)

15	½	(½ × 14 NPT)			8.5	6.0	9.9	7.0
20	¾	(¾ × 14 NPT)			10	7.0	11.6	8.1
25	1	(1 × 11.5 NPT)			32	22.4	37.1	26.0
32	1¼	(1¼ × 11.5 NPT)			36	25.2	41.8	29.3

Connections - SVA 6 and SVA 15

T



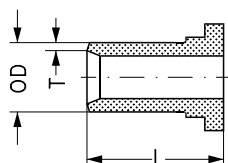
Size mm	Size in.	Outside pipe thread	L mm	L in.	K_v -angle m ³ /h	K_v -str. m ³ /h	C_v -angle USgal/min	C_v -str USgal/min
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T outside pipe thread, (ISO 228/1)

6	¼	G ½	16	0.63	2.5	2.0	2.9	2.0
15	¾ - ½	G 7/8	19	0.76	7.0	4.9	8.1	5.7

Nipples for T outside pipe thread, (ISO 228/1)

ND

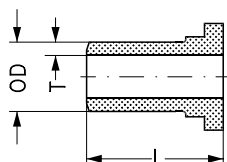


Size mm	Size in.	OD mm	T mm	OD in.	T in.	L mm	L in.	Inside pipe thread			
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ND welding nipples, (DIN 2448)

6	¼	13.5	2.3	0.531	0.091	60	2.36	G ½			
10	⅜	17.2	2.3	0.677	0.091	50	1.97	G 7/8			
15	½	21.3	2.3	0.852	0.091	50	1.97	G 7/8			

NA



Size mm	Size in.	OD mm	T mm	OD in.	T in.	L mm	L in.	Inside pipe thread			
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NA welding nipples, ANSI (B 36.10 Schedule 80)

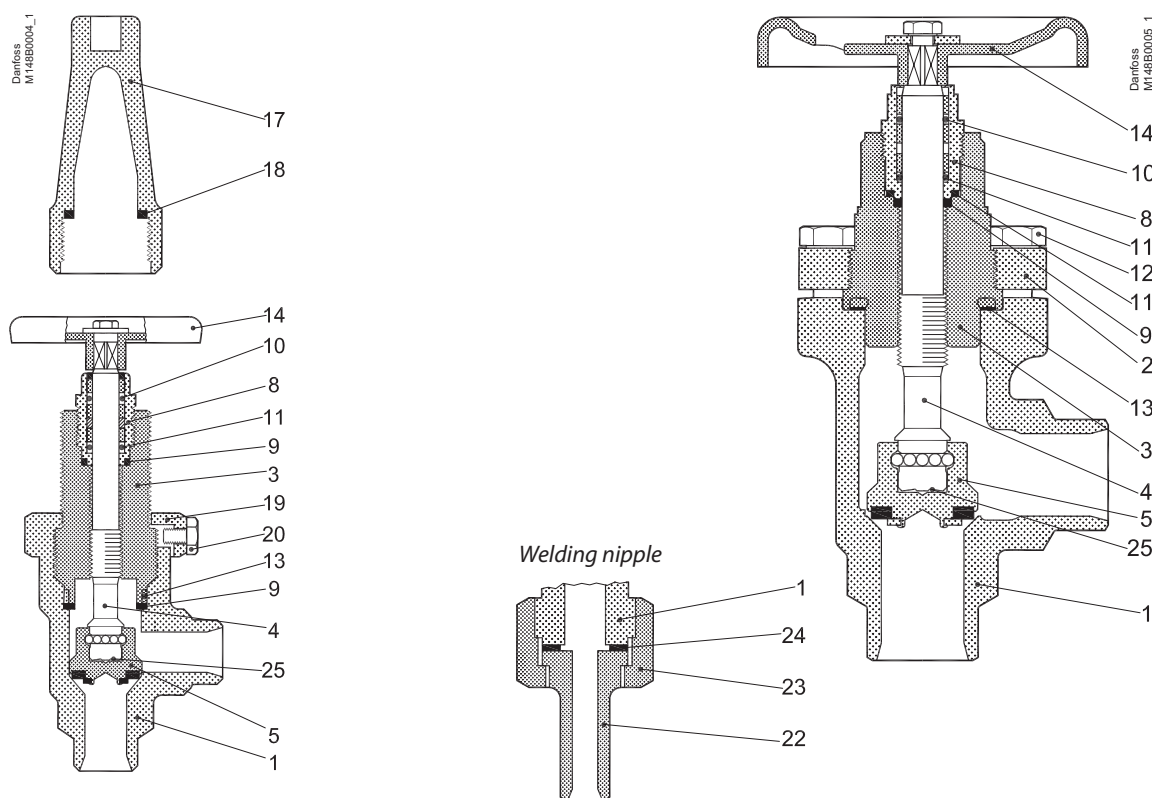
6	¼	13.5	3.0	0.531	0.118	60	2.36	G ½			
10	⅜	17.2	3.2	0.677	0.126	50	1.97	G 7/8			
15	½	21.3	3.7	0.852	0.198	50	1.97	G 7/8			

Stop valves, SVA-S and SVA-L

Material specification

SVA 6-10 (1/4 - 3/8 in.)

SVA 15-20 (1/2 - 3/4 in.)

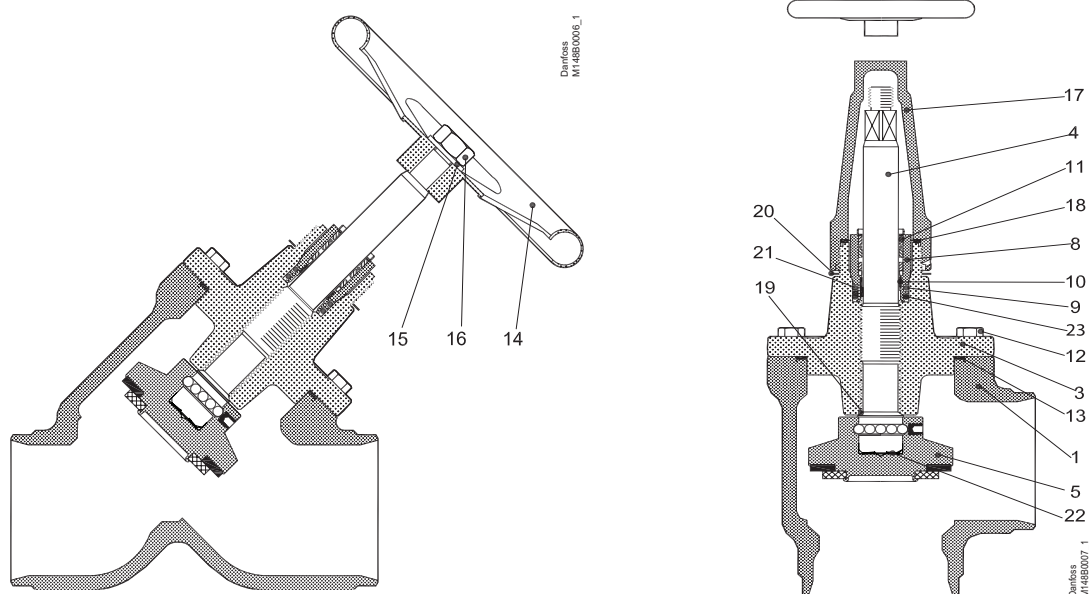


No.	Part	Material	EN	ISO	ASTM
1	Housing	Steel	G20Mn5QT, 10213-3 P285QH+QT, 10222-4		LCC, A352 LF2, A350
2	Bonnet, Flange	Steel	G20Mn5QT, 10213-3 P285QH+QT, 10222-4		LCC, A352 LF2, A350
3	Bonnet, Insert	Steel	11SMn30 10087	Type 2 R 683/9	AISI 1213
4	Spindle	Stainless steel	X8CrNiS18-9 10088 DIN 17440 (SVA-SS only)	Type 17 683/13	AISI 303
5	Cone	Steel	11SMn30 10087	Type 2 R 683/9	AISI 1213
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 (SVA-SS)	PTFE			
12	Bolts	Stainless steel	A2-70	A2-70	Type 308
13	Gasket	Fiber, Non-asbestos			
14	Handwheel	Steel			
17	Cap	Aluminium			
18	Gasket f. cap	Nylon			
19	Locking nut	Steel			
20	Screw	Steel			
22	Welding nipple	Steel	S235JRG2 10025	Fe260B, 630	Grade C, A 283
23	Nut	Steel	11SMn30 10087	Type 2 R 683/9	AISI 1213
24	Packing washer	Non-asbestos			
25	Disk spring	Steel			

Stop valves, SVA-S and SVA-L

Material specification

SVA 80 - 200 (3 - 8 in.)

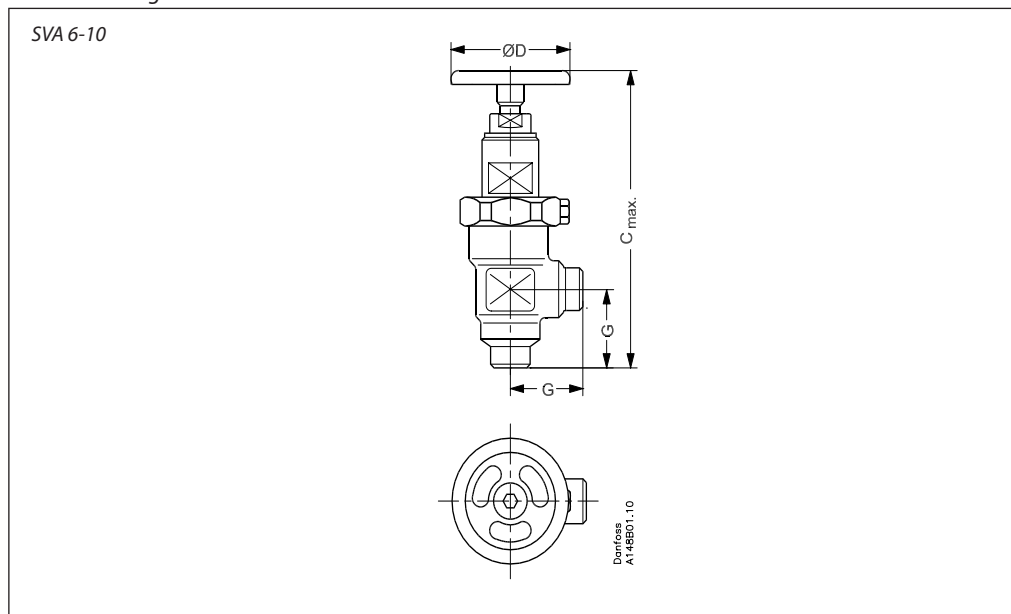


No.	Part	Material	EN	ISO	ASTM
1	Housing	Steel	G20Mn5QT 10213-3		LCC A352
3	Valve bonnet	Steel	G20Mn5QT, 10213-3 P285QH+QT, 10222-4		LCC, A352 LF2, A350
4	Spindle	Stainless steel	X5CrNi18-10 10088	Type 11, R 683/13	AISI 304, A276
5	Cone Cone seal	Steel Teflon (PTFE)	11SMn30 10087	Type 2, R 683/9	AISI 1213
8	Packing gland	Stainless steel	X8CrNiS18-9 10088	Type 17 R 683/13	AISI 303
9	O-ring	Cloroprene (Neoprene)			
10	Spring loaded Teflon ring	PTFE			
11	O-ring	Cloroprene (Neoprene)			
12	Bolts	Stainless steel	A2-70	A2-70	Type 308
13	Gasket	Fiber, Non-asbestos			
14	Hand wheel	Steel			
15	Washer	Stainless steel			
16	Nut	Stainless steel			
17	Cap	Aluminium			
18	Gasket for cap	Nylon (PA 6)			
19	Soft backseat	Teflon (PTFE)			
20	Identification ring	Stainless steel			
21	Wear ring	Teflon (PTFE)			
22	Disk spring	Steel			
23	O-ring	PTFE/Cloroprene (Neoprene)			

Stop valves, SVA-S and SVA-L

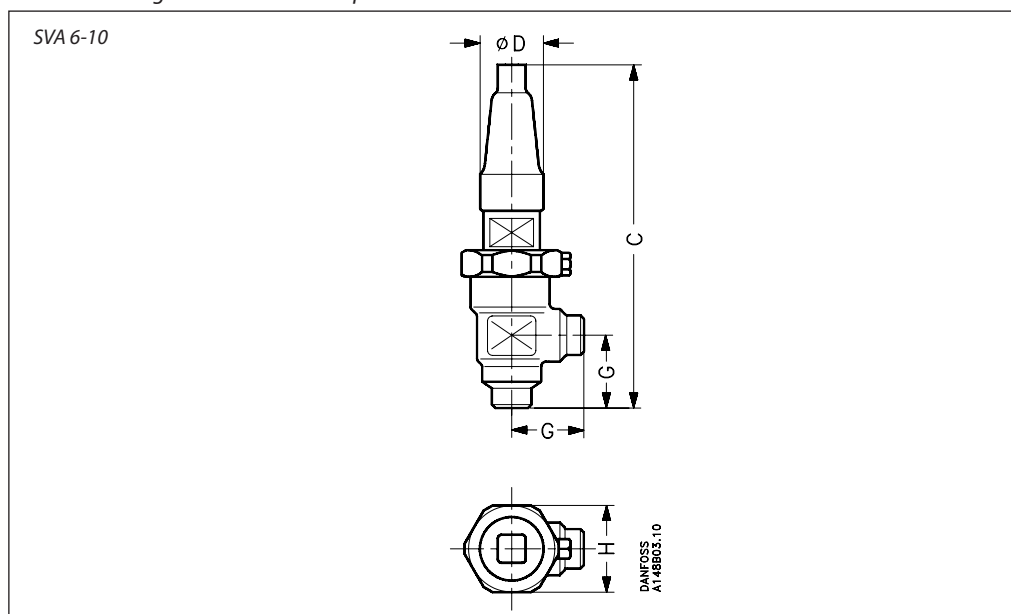
Dimensions and weights

SVA 6 - 10 in angle execution with handwheel



Valve size		C_{max}	G	$\varnothing D$	$\square H$	Weight
SVA 6	mm in.	128 5.04	30 1.18	50 1.97		0.7 kg
SVA 10	mm in.	173 6.81	45 1.77	60 2.36	60 2.36	1.4 kg

SVA 6 - 10 in angle execution with cap

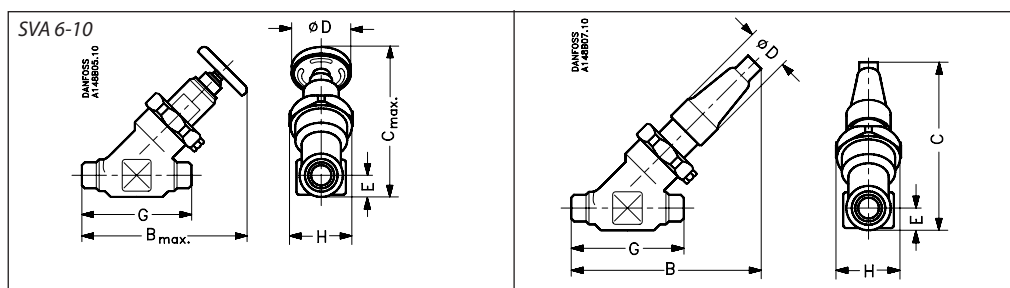


Valve size		C	G	$\varnothing D$	$\square H$	Weight
SVA 6	mm in.	139 5.47	30 1.18	30 1.18	48 1.89	0.8 kg
SVA 10	mm in.	182 7.17	45 1.77	38 1.50	60 2.36	1.4 kg

Specified weights are approximate values only.

Stop valves, SVA-S and SVA-L

Dimensions and weights



SVA 6 - 10 in straight-way execution with handwheel

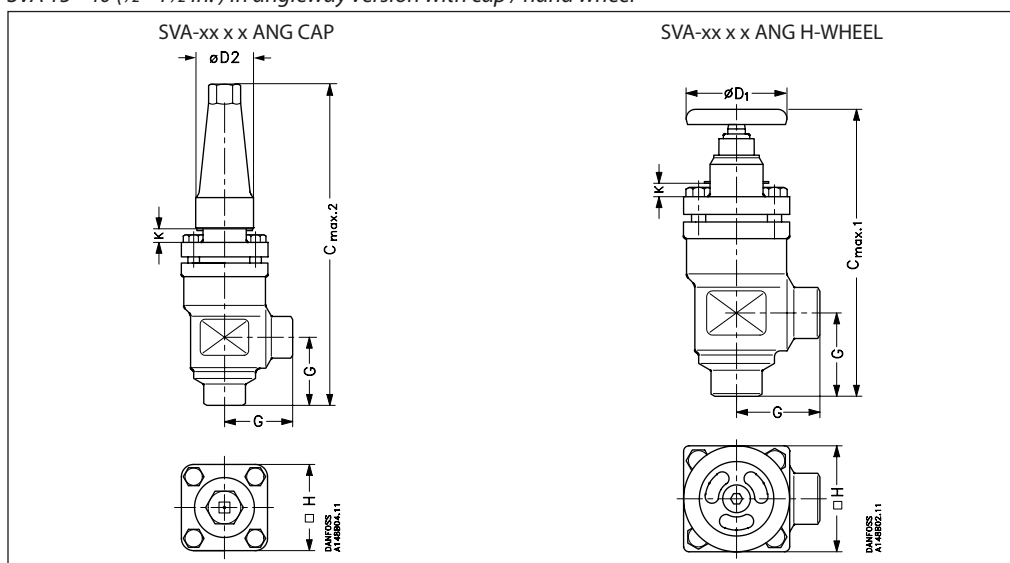
Valve size		C _{max.}	B _{max.}	E	G	ØD	□H	Weight
SVA 6	mm	110	120	13	70	50	48	0.7 kg
	in.	4.33	4.72	0.49	2.76	1.97	1.89	
SVA 10	mm	145	160	20	120	60	60	2.0 kg
	in.	5.71	6.30	0.79	4.72	2.36	2.36	

SVA 6 - 10 in straight-way execution with cap

Valve size		C	B	E	G	ØD	□H	Weight
SVA 6	mm	110	120	13	70	30	48	0.8 kg
	in.	4.33	4.72	0.49	2.76	1.16	1.89	
SVA 10	mm	145	155	20	120	38	60	2.0 kg
	in.	5.71	6.10	0.79	4.72	1.50	2.36	

Specified weights are approximate values only.

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



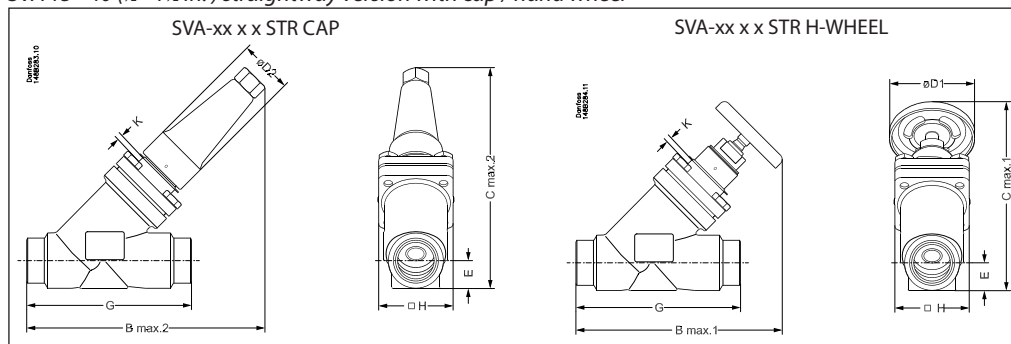
Valve size		K	C _{max.1}	C _{max.2}	G	ØD ₁	ØD ₂	□H	Weight
SVA-S									
SVA 15 - 20	mm	4	178	189	45	60	38	60	1.4 kg
	in.	0.16	7.00	7.44	1.77	2.36	1.5	2.36	3.1 lb
SVA 25 - 40	mm	12	234	268	55	80	50	70	2.4 kg
	in.	0.47	9.21	10.55	2.17	3.15	1.97	2.76	5.3 lb
SVA-S, Socket weld									
SVA 32 - 40	mm	12	241	275	62	80	50	70	2.9 kg
	in.	0.47	9.49	10.83	2.44	3.15	1.97	2.76	6.4 lb
SVA-L									
SVA 15 - 20	mm	63	237	248	45	60	38	60	1.4 kg
	in.	2.48	9.33	9.76	1.77	2.36	1.5	2.36	3.1 lb
SVA 25 - 40	mm	74	296	330	55	80	50	70	2.4 kg
	in.	2.91	11.65	12.99	2.17	3.15	1.97	2.76	5.3 lb
SVA-L, Socket weld									
SVA 32 - 40	mm	74	303	337	62	80	50	70	2.9 kg
	in.	2.91	11.93	13.27	2.44	3.15	1.97	2.76	6.4 lb

Specified weights are approximate values only.

Stop valves, SVA-S and SVA-L

Dimensions and weights

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



Valve size	K	C _{max.1}	C _{max.2}	B _{max.1}	B _{max.2}	E	G	∅D ₁	∅D ₂	□H	Weight
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SVA-S

SVA 15 - 20	mm	4	146	141	160	156	20	120	60	38	60	2.0 kg
SVA (½ - ¾)	in.	0.16	5.74	5.55	6.30	6.14	0.79	4.72	2.36	1.50	2.36	4.4 lb
SVA 25 - 40	mm	12	199	208	212	222	26	155	80	50	70	3.0 kg
SVA (1 - 1½)	in.	0.47	7.83	8.19	8.35	8.74	1.02	6.10	3.15	1.97	2.76	6.6 lb

SVA-S, Socket weld

SVA 32	mm	12	200	209	212	222	27.4	155	80	50	70	3.0 kg
SVA (1¼)	in.	0.47	7.87	8.23	8.35	8.74	1.08	6.10	3.15	1.97	2.76	6.6 lb
SVA 40	mm	12	204	213	212	222	31.0	155	80	50	70	3.0 kg
SVA (1½)	in.	0.47	8.03	8.39	8.35	8.74	1.22	6.10	3.15	1.97	2.76	6.6 lb

SVA-L

SVA 15 - 20	mm	63	188	184	202	198	20	120	60	38	60	2.0 kg
SVA (½ - ¾)	in.	2.48	7.40	7.24	7.95	7.80	0.79	4.72	2.36	1.50	2.36	4.4 lb
SVA 25 - 40	mm	74	243	252	256	265	26	155	80	50	70	3.0 kg
SVA (1 - 1½)	in.	2.91	9.57	9.92	10.08	10.43	1.02	6.10	3.15	1.97	2.76	6.6 lb

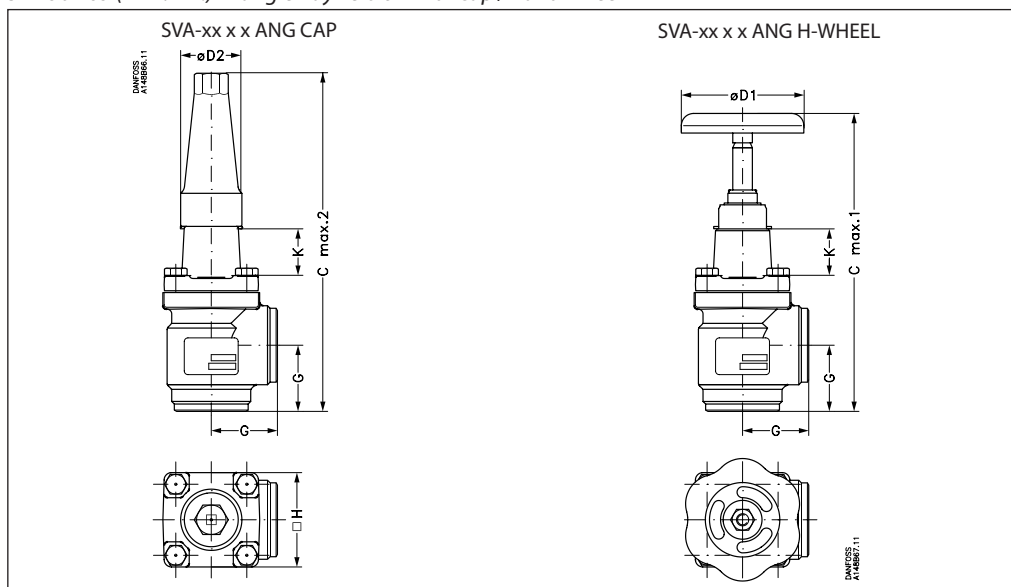
SVA-L, Socket weld

SVA 32	mm	74	244	253	256	265	27.4	155	80	50	70	3.0 kg
SVA (1¼)	in.	2.91	9.61	9.96	10.08	10.43	1.08	6.10	3.15	1.97	2.76	6.6 lb
SVA 40	mm	74	248	257	256	265	31.0	155	80	50	70	3.0 kg
SVA (1½)	in.	2.91	9.76	10.12	10.08	10.43	1.22	6.10	3.15	1.97	2.76	6.6 lb

Specified weights are approximate values only.

Dimensions and weights

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



Valve size	K	C _{max.1}	C _{max.2}	G	∅D ₁	∅D ₂	□H	Weight
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SVA-S

SVA 50	mm	70	284	315	60	100	50	77	3.2 kg
SVA (2)	in.	2.76	11.18	12.40	2.36	3.94	1.97	3.03	7.1 lb
SVA 65	mm	70	310	335	70	100	50	90	4.8 kg
SVA (2½)	in.	2.76	12.20	13.19	2.76	3.94	1.97	3.54	10.6 lb

SVA-S, Socket weld

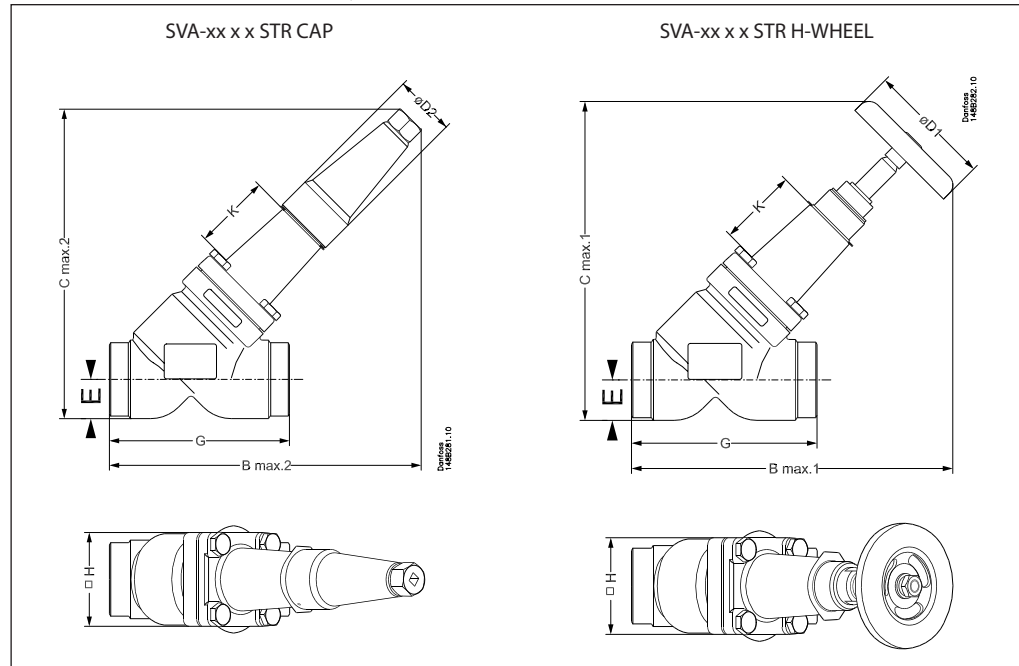
SVA 50	mm	70	289	320	65	100	50	77	4.1 kg
SVA (2)	in.	2.76	11.38	12.60	2.56	3.94	1.97	3.03	9.0 lb

Specified weights are approximate values only.

Stop valves, SVA-S and SVA-L

Dimensions and weights

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



Valve size	K	B _{max.1}	B _{max.2}	C _{max.1}	C _{max.2}	E	G	ØD ₁	ØD ₂	H	Weight
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SVA-S

SVA 50	mm	70	259	259	257	257	32	148	100	50	77	4.2 kg
SVA (2)	in.	2.76	10.20	10.20	10.12	10.12	1.26	5.83	3.94	1.97	3.03	9.3 lb
SVA 65	mm	70	284	280	284	280	40	176	100	50	90	6.3 kg
SVA (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

SVA-S, Socket weld

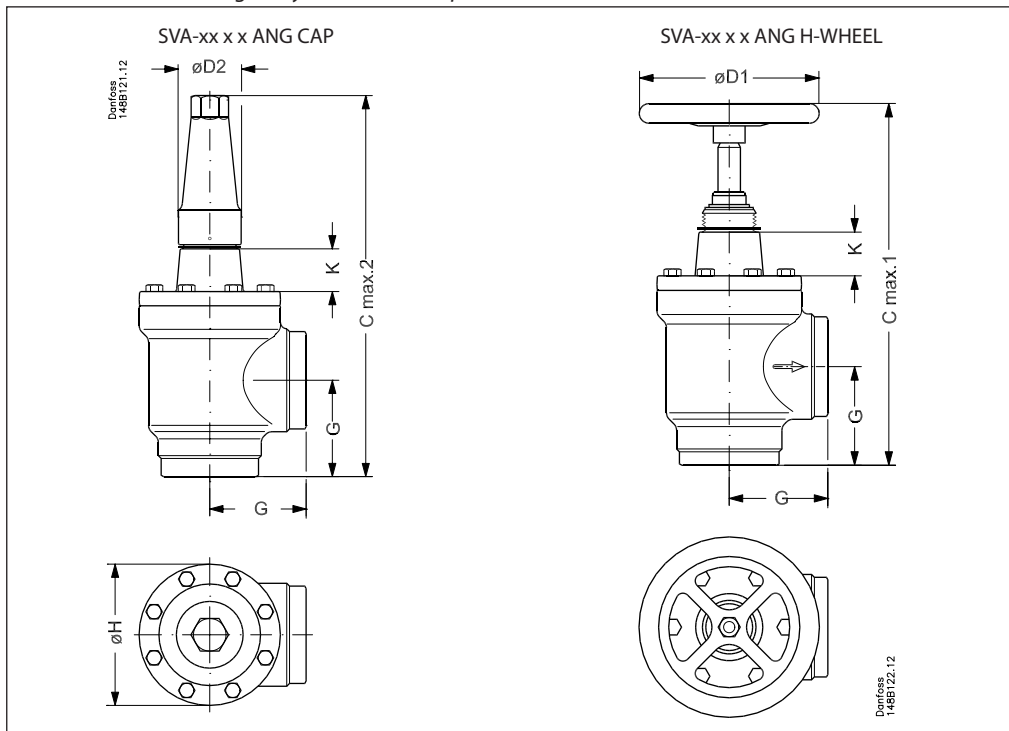
SVA 50	mm	70	266	266	261	261	37	162	100	50	77	5.1 kg
SVA (2)	in.	2.76	10.47	10.47	10.28	10.28	1.26	6.38	3.94	1.97	3.03	11.2 lb

Specified weights are approximate values only.

Stop valves, SVA-S and SVA-L

Dimensions and weights

SVA 80 - 200 (3 - 8 in.) angleway version with cap / hand wheel

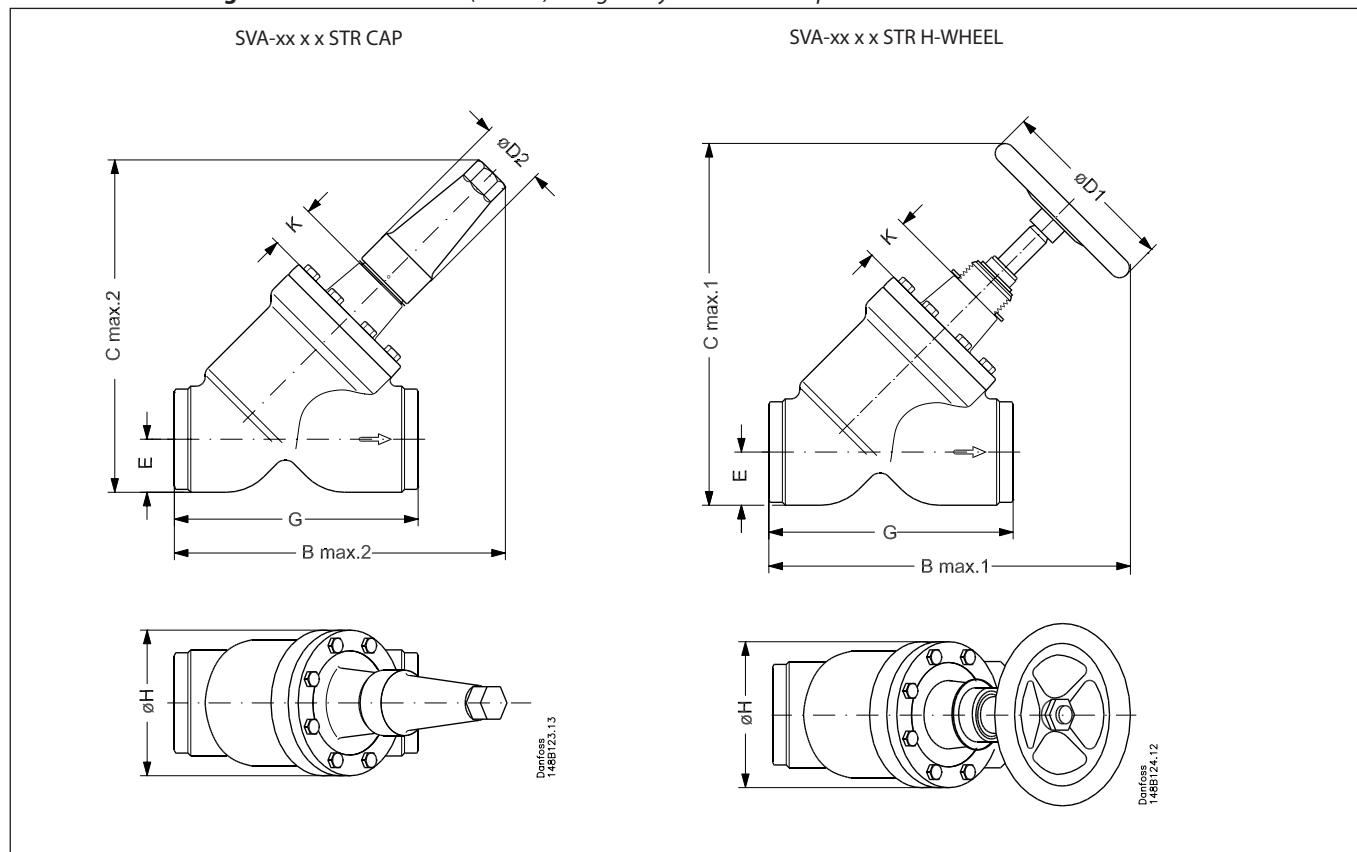


Valve size		K	C _{max.1}	C _{max.2}	G	ØD ₁	ØD ₂	ØH	Weight
SVA-S									
SVA 80	mm	76	373	388	90	200	58	129	9.7 kg
SVA (3)	in.	3.00	14.69	15.28	3.54	7.87	2.28	5.08	21.4 lb
SVA 100	mm	90	432	437	106	250	58	156	15.3 kg
SVA (4)	in.	3.54	17.00	17.20	4.17	9.84	2.28	6.14	33.7 lb
SVA 125	mm	90	517	533	128	315	74	193	28.1 kg
SVA (5)	in.	3.54	20.35	20.98	5.04	12.40	2.91	7.60	61.9 lb
SVA 150	mm	90	564	568	145	315	74	219	39.7 kg
SVA (6)	in.	3.54	22.20	22.36	5.71	12.40	2.91	8.62	87.5 lb
SVA 200	mm	90	675	678	180	400	86	276	79.5 kg
SVA (8)	in.	3.54	26.57	26.69	7.09	15.75	3.39	10.87	175.3 lb

Specified weights are approximate values only.

Stop valves, SVA-S and SVA-L

Dimensions and weights SVA 80 - 200 (3 - 8 in.) straightway version with cap / hand wheel



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												
SVA 80	mm	76	365	321	367	322	48	216	200	58	129	10.9 kg
SVA (3)	in.	3.00	14.37	12.64	14.45	12.72	1.89	8.50	7.87	2.28	5.08	24.0 lb
SVA 100	mm	90	435	367	443	375	60	264	250	58	156	18.2 kg
SVA (4)	in.	3.54	17.13	14.45	17.44	14.76	2.36	10.39	9.84	2.28	6.14	40.1 lb
SVA 125	mm	90	526	444	538	456	74	322	315	74	193	32.8 kg
SVA (5)	in.	3.54	20.71	17.48	21.18	17.95	2.91	12.68	12.40	2.91	7.60	72.3 lb
SVA 150	mm	90	572	483	594	505	91	370	315	74	219	60.0 kg
SVA (6)	in.	3.54	22.52	19.02	23.39	19.88	3.58	14.57	12.40	2.91	8.62	132.3 lb
SVA 200	mm	90	692	579	726	613	117	464	400	86	276	111.5 kg
SVA (8)	in.	3.54	27.24	22.80	28.58	24.13	4.61	18.27	15.75	3.39	10.87	245.8 lb

Specified weights are approximate values only.

Stop valves, SVA-S and SVA-L

Ordering

Available connection sizes

SVA-S:

The **S** means **Standard** bonnet length (sizes from DN50 to DN200 are insulation friendly)

SVA-L:

The **L** means **Long** bonnet length (insulation friendly)

Size	SVA-S	SVA-L
6	x	-
10	x	-
15	x	x
20	x	x
25	x	x
32	x	x
40	x	x
50	x	
65	x	
80	x	
100	x	
125	x	
150	x	

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.

Type codes

Valve type	SVA	Stop valve
Nominal size in mm		Available connections
(valve size measured on the connection diameter)		A/D SOC FPT T
	6	DN 6 (1/4) x x
	10	DN 10 (3/8) x x
	15	DN 15 (1/2) x x x
	20	DN 20 (3/4) x x x
	25	DN 25 (1) x x x
	32	DN 32 (1 1/4) x x x
	40	DN 40 (1 1/2) x x
	50	DN 50 (2) x x
	65	DN 65 (2 1/2) x
	80	DN 80 (3) x
	100	DN 100 (4) x
	125	DN 125 (5) x
	150	DN 150 (6) x
	200	DN 200 (8) x
Connections	A D SOC FPT T	Butt-weld connection: ANSI B 36.10 schedule 80, DN 15 - 40 (1/2 - 1 1/2 in.) Butt-weld connection: ANSI B 36.10 schedule 40, DN 50 - 200 (2 - 8 in.) Butt-weld connection: DIN EN 10220 Socket weld: ANSI B 16.11 Female Pipe Thread NPT: ANSI/ASME B 1.20.1 Outside threaded connections ISO 228/1 Pipe thread
Valve housing	ANG STR	Angle flow Straight flow
Other equipment	H-WHEEL CAP	Hand wheel Cap

Important!

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.

Stop valves, SVA-S and SVA-L

Ordering SVA-L

Example:
SVA-L 20 DIN angleyway with
hand wheel = **148B5340**

Important!

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-L Angleyway

Size		Type	MWP		Code number
mm	in.		bar	psi	

Butt-weld DIN (EN 10220)

15	½	SVA-L 15 D ANG H-WHEEL	52	754	148B5240
15	½	SVA-L 15 D ANG CAP	52	754	148B5241
20	¾	SVA-L 20 D ANG H-WHEEL	52	754	148B5340
20	¾	SVA-L 20 D ANG CAP	52	754	148B5341
25	1	SVA-L 25 D ANG H-WHEEL	52	754	148B5440
25	1	SVA-L 25 D ANG CAP	52	754	148B5441
32	1¼	SVA-L 32 D ANG H-WHEEL	52	754	148B5540
32	1¼	SVA-L 32 D ANG CAP	52	754	148B5541
40	1½	SVA-L 40 D ANG H-WHEEL	52	754	148B5640
40	1½	SVA-L 40 D ANG CAP	52	754	148B5641

Butt-weld ANSI (B 36.10 Schedule 80)

15	½	SVA-L 15 A ANG H-WHEEL	52	754	148B5260
15	½	SVA-L 15 A ANG CAP	52	754	148B5261
20	¾	SVA-L 20 A ANG H-WHEEL	52	754	148B5360
20	¾	SVA-L 20 A ANG CAP	52	754	148B5361
25	1	SVA-L 25 A ANG H-WHEEL	52	754	148B5460
25	1	SVA-L 25 A ANG CAP	52	754	148B5461
32	1¼	SVA-L 32 A ANG H-WHEEL	52	754	148B5560
32	1¼	SVA-L 32 A ANG CAP	52	754	148B5561
40	1½	SVA-L 40 A ANG H-WHEEL	52	754	148B5660
40	1½	SVA-L 40 A ANG CAP	52	754	148B5661

Socket welding ANSI (B 16.11)

15	½	SVA-L 15 SOC ANG H-WHEEL	52	754	148B5262
15	½	SVA-L 15 SOC ANG CAP	52	754	148B5263
20	¾	SVA-L 20 SOC ANG H-WHEEL	52	754	148B5362
20	¾	SVA-L 20 SOC ANG CAP	52	754	148B5363
25	1	SVA-L 25 SOC ANG H-WHEEL	52	754	148B5462
25	1	SVA-L 25 SOC ANG CAP	52	754	148B5463
32	1¼	SVA-L 32 SOC ANG H-WHEEL	52	754	148B5562
32	1¼	SVA-L 32 SOC ANG CAP	52	754	148B5563
40	1½	SVA-L 40 SOC ANG H-WHEEL	52	754	148B5662
40	1½	SVA-L 40 SOC ANG CAP	52	754	148B5663

FPT inside pipe thread, NPT (ANSI/ASME B 1.20.1)

15	½	SVA-L 15 FPT ANG H-WHEEL	52	754	148B5264
15	½	SVA-L 15 FPT ANG CAP	52	754	148B5265
20	¾	SVA-L 20 FPT ANG H-WHEEL	52	754	148B5364
20	¾	SVA-L 20 FPT ANG CAP	52	754	148B5365
25	1	SVA-L 25 FPT ANG H-WHEEL	52	754	148B5464
25	1	SVA-L 25 FPT ANG CAP	52	754	148B5465
32	1¼	SVA-L 32 FPT ANG H-WHEEL	52	754	148B5564
32	1¼	SVA-L 32 FPT ANG CAP	52	754	148B5565

ANG = Angle-way
STR = Straight-way
CAP = Cap
H-WHEEL = Hand wheel

SVA-L Straightway

Size		Type	MWP		Code number
mm	in.		bar	psi	

Butt-weld DIN (EN 10220)

15	½	SVA-L 15 D STR H-WHEEL	52	754	148B5250
15	½	SVA-L 15 D STR CAP	52	754	148B5251
20	¾	SVA-L 20 D STR H-WHEEL	52	754	148B5350
20	¾	SVA-L 20 D STR CAP	52	754	148B5351
25	1	SVA-L 25 D STR H-WHEEL	52	754	148B5450
25	1	SVA-L 25 D STR CAP	52	754	148B5451
32	1¼	SVA-L 32 D STR H-WHEEL	52	754	148B5550
32	1¼	SVA-L 32 D STR CAP	52	754	148B5551
40	1½	SVA-L 40 D STR H-WHEEL	52	754	148B5650
40	1½	SVA-L 40 D STR CAP	52	754	148B5651

Butt-weld ANSI (B 36.10 Schedule 80)

15	½	SVA-L 15 A STR H-WHEEL	52	754	148B5270
15	½	SVA-L 15 A STR CAP	52	754	148B5271
20	¾	SVA-L 20 A STR H-WHEEL	52	754	148B5370
20	¾	SVA-L 20 A STR CAP	52	754	148B5371
25	1	SVA-L 25 A STR H-WHEEL	52	754	148B5470
25	1	SVA-L 25 A STR CAP	52	754	148B5471
32	1¼	SVA-L 32 A STR H-WHEEL	52	754	148B5570
32	1¼	SVA-L 32 A STR CAP	52	754	148B5571
40	1½	SVA-L 40 A STR H-WHEEL	52	754	148B5670
40	1½	SVA-L 40 A STR CAP	52	754	148B5671

Socket welding ANSI (B 16.11)

15	½	SVA-L 15 SOC STR H-WHEEL	52	754	148B5272
15	½	SVA-L 15 SOC STR CAP	52	754	148B5273
20	¾	SVA-L 20 SOC STR H-WHEEL	52	754	148B5372
20	¾	SVA-L 20 SOC STR CAP	52	754	148B5373
25	1	SVA-L 25 SOC STR H-WHEEL	52	754	148B5472
25	1	SVA-L 25 SOC STR CAP	52	754	148B5473
32	1¼	SVA-L 32 SOC STR H-WHEEL	52	754	148B5572
32	1¼	SVA-L 32 SOC STR CAP	52	754	148B5573
40	1½	SVA-L 40 SOC STR H-WHEEL	52	754	148B5672
40	1½	SVA-L 40 SOC STR CAP	52	754	148B5673

FPT inside pipe thread, NPT (ANSI/ASME B 1.20.1)

15	½	SVA-L 15 FPT STR H-WHEEL	52	754	148B5274
15	½	SVA-L 15 FPT STR CAP	52	754	148B5275
20	¾	SVA-L 20 FPT STR H-WHEEL	52	754	148B5374
20	¾	SVA-L 20 FPT STR CAP	52	754	148B5375
25	1	SVA-L 25 FPT STR H-WHEEL	52	754	148B5474
25	1	SVA-L 25 FPT STR CAP	52	754	148B5475
32	1¼	SVA-L 32 FPT STR H-WHEEL	52	754	148B5574
32	1¼	SVA-L 32 FPT STR CAP	52	754	148B5575

Accessories

6T and 10-15T Nipple Kit solution

Code no.	
148B4244	ACCESSORY WELD.NIPPLE DN10 D + UNION NUT
148B4245	ACCESSORY WELD.NIPPLE DN6 A + UNION NUT
148B4246	ACCESSORY WELD.NIPPLE DN10 A + UNION NUT
148B4247	ACCESSORY WELD.NIPPLE DN15 A + UNION NUT
148B4184	ACCESSORY WELD.NIPPLE DN6 D + UNION NUT
148B4185	ACCESSORY WELD.NIPPLE DN15 D + UNION NUT

