

DUAL SAFETY VALVES FOR REFRIGERATION

WVR-SVA, WVR-SVU

02.07.2026

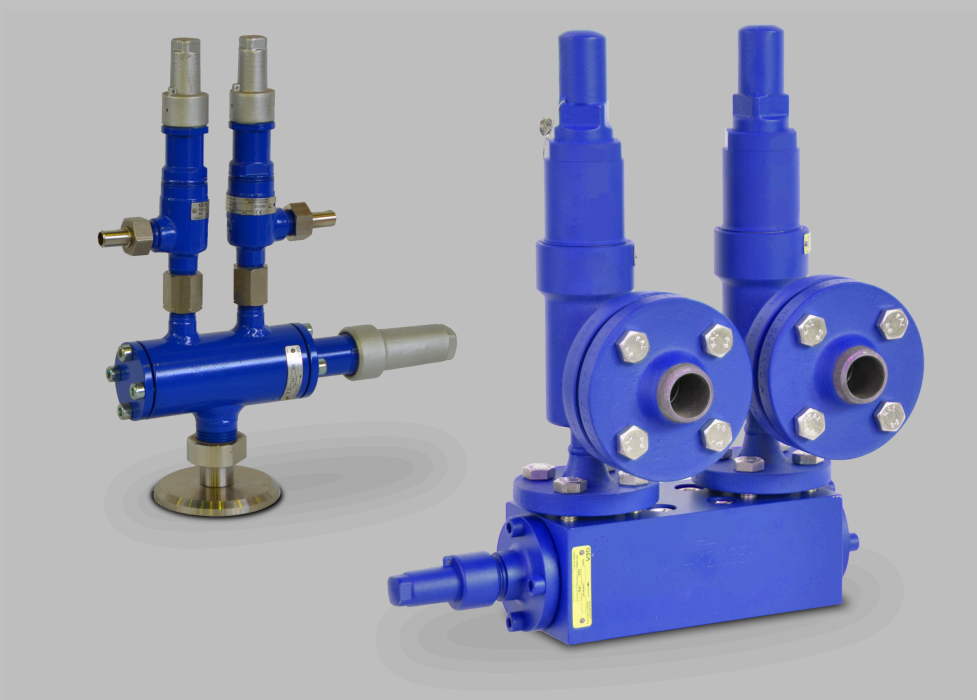


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1 WVR-SV

WVR-SVAA: Change-over safety valve combination - back-pressure dependent

WVR-SVA	Connection	Form	Material	Valve type
WVR-SVA PS25 / PS40 / PS63	Flanged ends		St	WVR-SVAA FL
			NIRO	WVR-SVAA FL NIRO
			St	WVR-SVAA BS FL
			NIRO	WVR-SVAA BS FL NIRO
	Screwed ends		St	WVR-SVAA SE
			NIRO	WVR-SVAA SE NIRO
			St	WVR-SVAA BS SE
			NIRO	WVR-SVAA BS SE NIRO

WVR SVUA: Change-over safety valve combination - back-pressure independent

WVR-SVU	Connection	Form	Material	Valve type
WVR-SVU PS25 / PS40 / PS63	Flanged ends		St	WVR-SVUA FL
			NIRO	WVR-SVUA FL NIRO
			St	WVR-SVUA BS FL
			NIRO	WVR-SVUA BS FL NIRO
	Screwed ends		St	WVR-SVUA SE
			NIRO	WVR-SVUA SE NIRO
			St	WVR-SVUA BS SE
			NIRO	WVR-SVUA BS SE NIRO

WVR SVUA P: Change-over safety valve combination - high performance - back-pressure independent

WVR-SVU P	Connection	Form	Material	Valve type
WVR-SVU P PS25 / PS40 / PS63	Flanged ends		St	WVR-SVUA P FL
			NIRO	WVR-SVUA P FL NIRO
			St	WVR-SVUA P BS FL
			NIRO	WVR-SVUA P BS FL NIRO
	Screwed ends		St	WVR-SVUA P SE
			NIRO	WVR-SVUA P SE NIRO
			St	WVR-SVUA P BS SE
			NIRO	WVR-SVUA P BS SE NIRO

St = steel SS = stainless steel

2 WVR-SV

WVR-SVAA/B:

Change-over safety valve combination - back-pressure dependent

WVR AL-SVA	Connection	Form	Material	Valve type
WVR AL-SVA PS25 / PS40 / PS63	Flanged ends		Alu/St	WVR AL-SVAA/B FL
			Alu/NIRO	WVR AL-SVAA/B FL NIRO
WVR AL-SVA Herl T24.1V	Flanged ends		Alu/St	WVR AL-SVAA/B FL Herl

WVR SVUA/B:

Change-over safety valve combination - back-pressure independent

WVR AL-SVU	Connection	Form	Material	Valve type
WVR AL-SVU PS25 / PS40 / PS63	Flanged ends		Alu/St	WVR AL-SVUA/B FL
			Alu/NIRO	WVR AL-SVUA/B FL NIRO
WVR AL-SVU Herl T19.1F	Flanged ends		Alu/St	WVR AL-SVUA/B FL Herl

WVR SVUA/B P:

Change-over safety valve combination - high performance - back-pressure independent

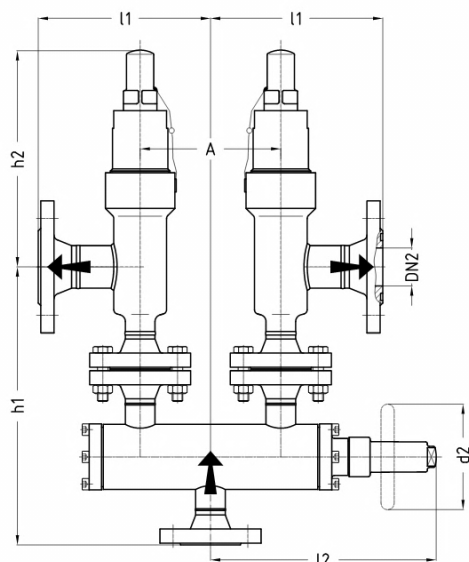
WVR AL-SVU P	Connection	Form	Material	Valve type
WVR AL-SVU P PS25 / PS40 / PS63	Flanged ends		Alu/St	WVR AL-SVUA/B P FL
			Alu/NIRO	WVR AL-SVUA/B P FL NIRO
WVR AL-SVU P Herl T24.1V	Flanged ends		Alu/St	WVR AL-SVUA/B P FL Herl
Information	Legal notice			

St = steel SS = stainless steel

3 WVR-SVAA FL

O: PTFE seat seal, **FL:** Flanged ends

WVR-SVA steel change-over safety valve combination - back-pressure dependent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size: Flanged ends acc. to:																		Response pressure range		
	Base valve		Typ e*	AWP DN10-20 PN25 DN25-80 PN40		PN25/40 DIN 2635 EN1092-1		PN63 DIN 2636 EN1092-1		ANSI 300 RF										h2*) for
DN1	DN2	Base	Typ e	l1	h1	l1	h1	l1	h1	l1	h1	h2	h2*)	l2	d2	A	A*	bar	bar	
15	25	15/25		160	281	156	300	187	321	172	330	207		193	60	120	145	5-63		
15	25	15/25	HB			155	299					207		193	60	120		5-40		
20	25	15/25	HB			170	323					207		208	60	150		5-40		
25	25	15/25	HB K			160	292					207		259	120	160		5-40		
25	25	15/25	HBJ			180	302					207		259	120	160		5-40		
20	32	20/32		185	311	183	336	206	360	198	373	238	258	208	60	150	160	5-63	40-63	
25	32	20/32	HB			180	302					238		259	120	160		5-40		
32	32	20/32	HB			195	311					238		259	120	180		5-40		
25	40	25/40		190	330	196	318	221	372	213	365	246	266	259	120	160	175	5-63	24-63	
32	40	25/40	HB			195	311					246	266	259	120	180		5-40	24-40	

Nominal size:				Flanged ends acc. to:								Response pressure range							
40	40	25/40	HB			222	331					246	266	312	140	214		5-40	24-40
32	50	32/50		213	344	218	338			234	384	278		259	120	180		5-40	
40	50	32/50	HB			222	331					278		312	140	214		5-40	
50	50	32/50	HB			239	355					278		319	140	228		5-40	
40	65	40/65		256	333	254	352			272	403	281		312	140	214		5-40	
50	65	40/65	HB			239	355					281		319	140	228		5-40	
65	65	40/65	HB			283	409					281		350	140	276		5-40	

Table 1: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.
 Type*: HB = installation lengths according to EN-standard, A*): for PN63 DIN-flange, DIN/EN flange facings with DIN 2512 tongue/groove as standard

4 WVR-SVAA FL NIRO

O: PTFE seat seal, **FL:** Flanged ends

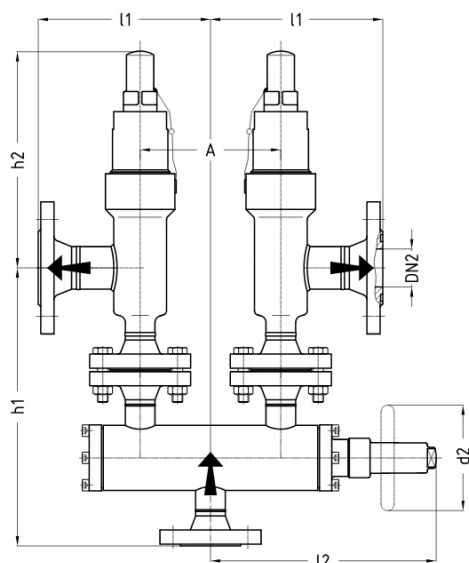
WVR-SVA stainless steel change-over safety valve combination - back-pressure dependent for natural gases and liquids (e.g. NH₃, CO₂) and non-corrosive media according to EN 378-1

Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating



Nominal size: Flanged ends acc. to:																			Response pressure range		
		Base valve		Type*	AWP DN10-20 PN25 DN25-80 PN40		PN25/40 DIN 2635 EN1092-1		PN63 DIN 2636 EN1092-1		ANSI 300 RF									h2*) for	
DN1	DN2	Base	Type	l1	h1	l1	h1	l1	h1	l1	h1	h2	h2*)	l2	d2	A	A*	bar	bar		
15	25	15/25		160	281	156	300	187	321	172	330	207		193	60	120	145	5-63			
15	25	15/25	HB			155	299					207		193	60	120		5-40			
20	25	15/25	HB			170	323					207		208	60	150		5-40			
25	25	15/25	HBK			160	292					207		259	120	160		5-40			
25	25	15/25	HBJ			180	302					207		259	120	160		5-40			
20	32	20/32		185	311	183	336	206	360	198	373	238	258	208	60	150	160	5-63	40-63		
25	32	20/32	HB			180	302					238		259	120	160		5-40			
32	32	20/32	HB			195	311					238		259	120	180		5-40			
25	40	25/40		190	330	196	318	221	372	213	365	246	266	259	120	160	175	5-63	24-63		
32	40	25/40	HB			195	311					246	266	259	120	180		5-40	24-40		
40	40	25/40	HB			222	331					246	266	312	140	214		5-40	24-40		
32	50	32/50		213	344	218	338			234	384	278		259	120	180		5-40			
40	50	32/50	HB			222	331					278		312	140	214		5-40			
50	50	32/50	HB			239	355					278		319	140	228		5-40			

Nominal size:				Flanged ends acc. to:								Response pressure range							
40	65	40/65		256	333	254	352			272	403	281		312	140	214		5-40	
50	65	40/65	HB			239	355					281		319	140	228		5-40	
65	65	40/65	HB			283	409					281		350	140	276		5-40	

Table 2: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

Type*: HB = installation lengths according to EN-standard, A*: for PN63 DIN-flange, DIN/EN flange facings with DIN 2512 tongue/groove as standard

5 WVR-SVAA BS FL

O: PTFE seat seal, **BS:** bursting discs, **FL:** Flanged ends

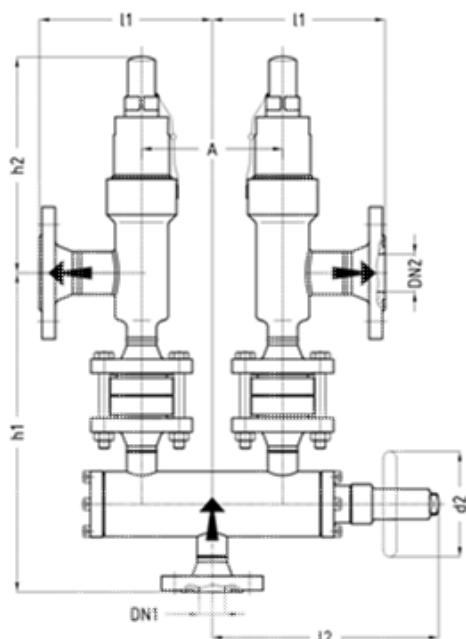
WVR-SVA BS steel change-over safety valve combination with bursting discs - back-pressure dependent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1

Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating



Nominal size:			Flanged ends acc. to:						Response pressure range						
DN*	Base valve	Type*	AWP DN10-20 PN25 DN25-80 PN40		PN25/40 DIN 2635 EN1092-1		ANSI 300 RF								h2*) for
DN1/DN2	Base	Type	l1	h1	l1	h1	l1	h1	h2	h2*)	l2	d2	A	bar	bar
15/25	15/25		160	322	156	341	172	371	207		193	60	120	5-40	
15/25	15/25	HB			155	340			207		193	60	120	5-40	
20/25	15/25	HB			170	364			207		208	60	150	5-40	
25/25	15/25	HBK			160	333			207		259	120	160	5-40	
25/25	15/25	HBJ			180	343			207		259	120	160	5-40	
20/32	20/32		185	352	183	377	198	414	238		208	60	150	5-40	
25/32	20/32	HB			180	343			238		259	120	160	5-40	
32/32	20/32	HB			195	352			238		259	120	180	5-40	
25/40	25/40		190	376	196	364	213	411	246	266	259	120	160	5-40	24-40
32/40	25/40	HB			195	357			246	266	259	120	180	5-40	24-40
40/40	25/40	HB			222	377			246	266	312	140	214	5-40	24-40
32/50	32/50		213	390	218	384	234	430	278		259	120	180	5-40	
40/50	32/50	HB			222	377			278		312	140	214	5-40	
50/50	32/50	HB			239	401			278		319	140	228	5-40	
40/65	40/65		256	379	254	398	272	449	281		312	140	214	5-40	
50/65	40/65	HB			239	401			281		319	140	228	5-40	

Nominal size:			Flanged ends acc. to:										Response pressure range	
65/65	40/65	HB			283	455			281		350	140	276	5-40

Table 3: Dimensions

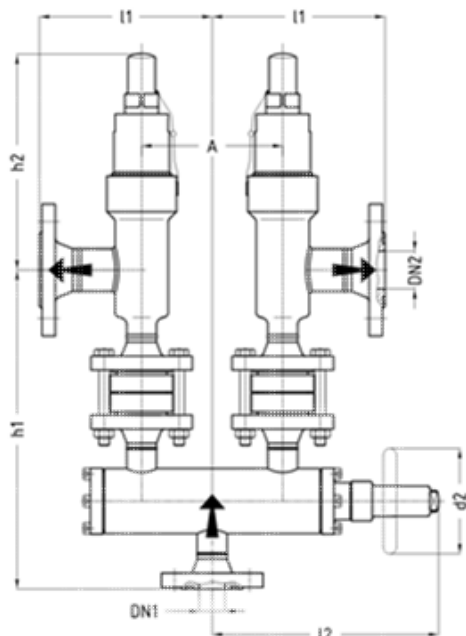
DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

Type*: HB = installation lengths according to EN-standard, DIN/EN flange facings with DIN 2512 tongue/groove as standard

6 WVR-SVAA BS FL NIRO

O: PTFE seat seal, **BS:** bursting discs, **FL:** Flanged ends

WVR-SVA BS stainless steel change-over safety valve combination with bursting discs - back-pressure dependent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:			Flanged ends acc. to: / flange acc. to:						Response pressure range						
DN*	Base valve	Type*	AWP DN10-20 PN25 DN25-80 PN40		PN25/40 DIN 2635 EN1092-1		ANSI 300 RF								h2*) for
DN1/DN2	Base	Type	l1	h1	l1	h1	l1	h1	h2	h2*)	l2	d2	A	bar	bar
15/25	15/25		160	322	156	341	172	371	207		193	60	120	5-40	
15/25	15/25	HB			155	340			207		193	60	120	5-40	
20/25	15/25	HB			170	364			207		208	60	150	5-40	
25/25	15/25	HBK			160	333			207		259	120	160	5-40	
25/25	15/25	HBJ			180	343			207		259	120	160	5-40	
20/32	20/32		185	352	183	377	198	414	238		208	60	150	5-40	
25/32	20/32	HB			180	343			238		259	120	160	5-40	
32/32	20/32	HB			195	352			238		259	120	180	5-40	
25/40	25/40		190	376	196	364	213	411	246	266	259	120	160	5-40	24-40
32/40	25/40	HB			195	357			246	266	259	120	180	5-40	24-40
40/40	25/40	HB			222	377			246	266	312	140	214	5-40	24-40
32/50	32/50		213	390	218	384	234	430	278		259	120	180	5-40	
40/50	32/50	HB			222	377			278		312	140	214	5-40	
50/50	32/50	HB			239	401			278		319	140	228	5-40	
40/65	40/65		256	379	254	398	272	449	281		312	140	214	5-40	
50/65	40/65	HB			239	401			281		319	140	228	5-40	

Nominal size:			Flanged ends acc. to: / flange acc. to:										Response pressure range	
65/65	40/65	HB			283	455			281		350	140	276	5-40

Table 4: Dimensions

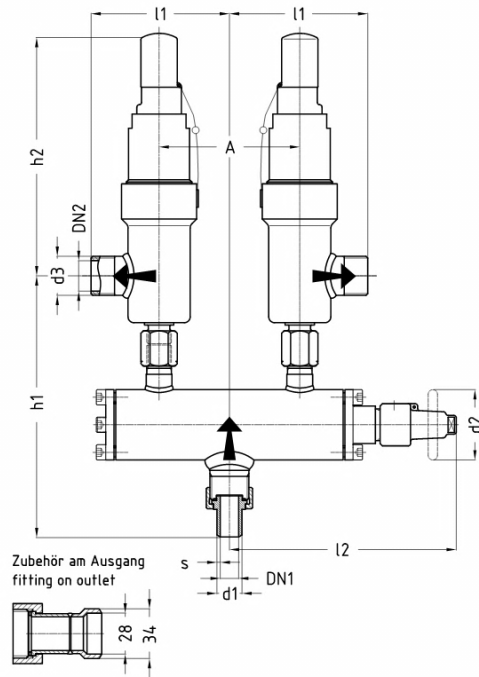
DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

Type*: HB = installation lengths according to EN-standard, DIN/EN flange facings with DIN 2512 tongue/groove as standard

7 WVR-SVAA SE

O: PTFE seat seal, **SE:** Screwed ends

WVR-SVA steel change-over safety valve combination - back-pressure dependent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

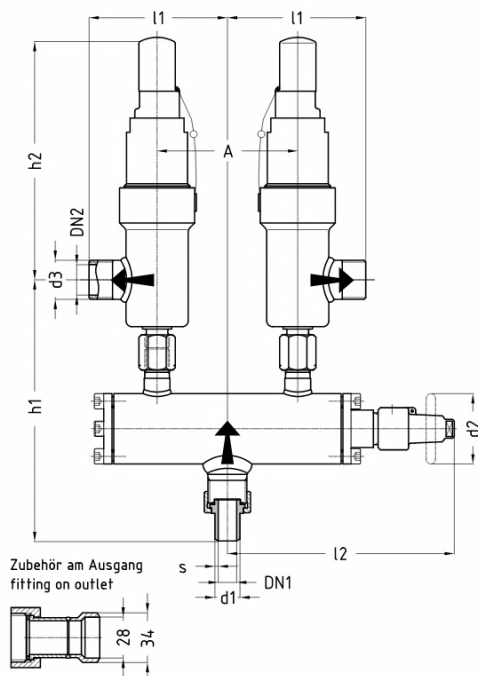
Nominal size:			Welding ends acc. to:				Screwed ends acc. to:							Response pressure range	
DN*		Base valve	ISO Series 1		ANSI Sched40										
DN1	DN2	Base	d1	s	d1	s	d3	l1	h1	h2	l2	d2	A	bar	
15	25	15/25	21.3	2.0	21.3	2.8	G1	118	223	207	193	60	120	5-63	

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

8 WVR-SVAA SE NIRO

O: PTFE seat seal, **SE:** Screwed ends

WVR-SVA stainless steel change-over safety valve combination - back-pressure independent for natural gases and liquids (e.g. NH₃, CO₂) and non-corrosive media according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:		Welding ends acc. to:				Screwed ends acc. to:								Response pressure range		
DN*		Base valve	ISO Series 1		ANSI Sched40											
DN1	DN2	Base	d1	s	d1	s	d3	l1	h1	h2	l2	d2	A	bar		
15	25	15/25	21.3	2.0	21.3	2.8	G1	118	223	207	193	60	120	5-63		

Table 5: Dimensions

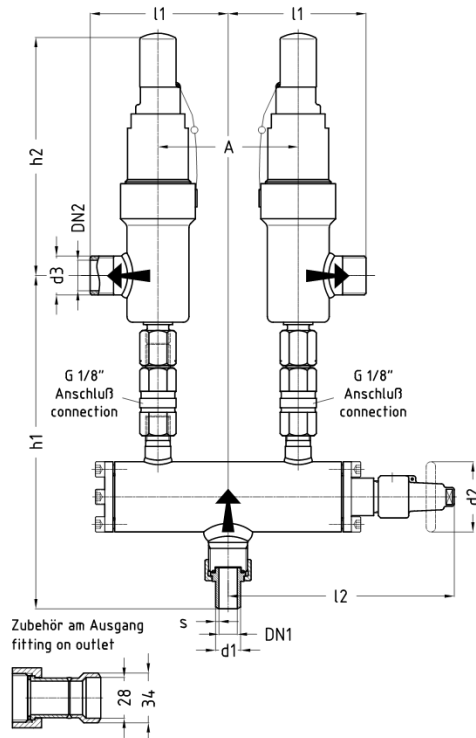
DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

9 WVR-SVAA BS SE

O: PTFE seat seal, **BS:** bursting discs, **SE:** screwed ends

O: PTFE seat seal, **BS:** bursting discs, **FL:** flanged ends, **HT:** Temperature up to +200°C

WVR-SVA BS steel change-over safety valve combination with bursting discs - back-pressure dependent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:			Welding ends acc. to:				Screwed ends acc. to:						Response pressure range	
DN*		Base valve	ISO Series 1		ANSI Sched40									
DN1	DN2	Base	d1	s	d1	s	d3	l1	h1	h2	l2	d2	A	bar
15	25	15/25	21.3	2.0	21.3	2.8	G1	118	285	207	193	60	120	5-63

Table 6: Dimensions

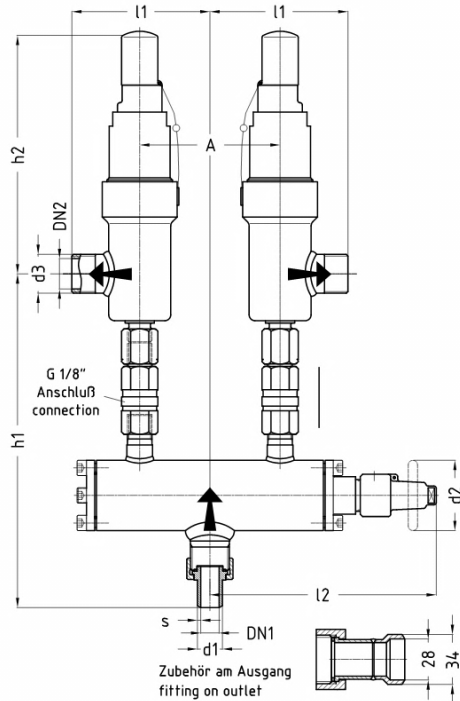
DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

10 WVR-SVAA BS SE NIRO

O: PTFE seat seal, **BS:** bursting discs, **SE:** screwed ends

O: PTFE seat seal, **BS:** bursting discs, **FL:** flanged ends, **HT:** Temperature up to +200°C

WVR-SVA BS stainless steel change-over safety valve combination with bursting discs - back-pressure dependent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:			Welding ends acc. to:				Screwed ends acc. to:						Response pressure range	
DN*		Base valve	ISO Series 1		ANSI Sched40									
DN1	DN2	Base	d1	s	d1	s	d3	l1	h1	h2	l2	d2	A	bar
15	25	15/25	21.3	2.0	21.3	2.8	G1	118	285	207	193	60	120	5-63

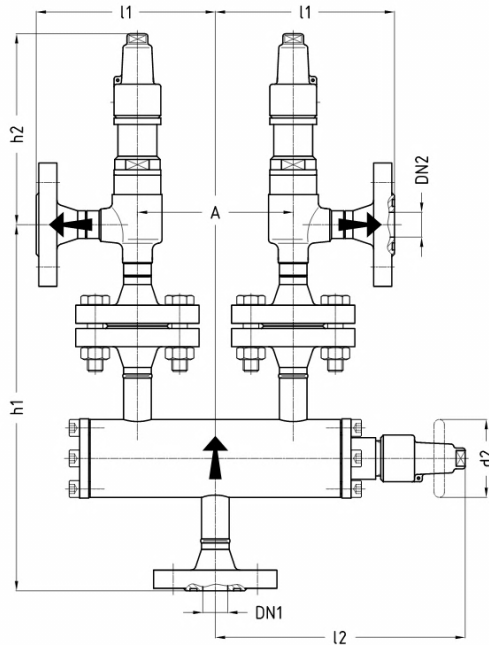
Table 7: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

11 WVR-SVUA FL

O: PTFE seat seal, **FL:** Flanged ends

WVR-SVU steel change-over safety valve combination - back-pressure independent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:		Flanged ends acc. to																Response pressure range	
DN*	Base valve	Type*	AWP DN10-20 PN25 DN25-80 PN40		PN25/40 DIN 2635 EN1092-1		PN63 DIN 2636 EN1092-1		ANSI 300 RF										h2*) for
DN1/ DN2	Base	Type	l1	h1	l1	h1	l1	h1	l1	h1	h2	h2*)	l2	d2	A	A*	bar	bar	
10/10	10/10		126	269	129	279	154	309			148	175	187	60	108	135	4-63	28-63	
15/15	15/15		132	263	138	282	159	303	152	325	148	175	193	60	120	145	4-63	28-63	
15/25	15/15	HB			155	298					148	175	193	60	120		4-40	28-40	
20/25	15/15	HB			170	322					148	175	208	60	150		4-40	28-40	
25/25	15/15	HBJ			180	301					148	175	259	120	160		4-40	28-40	

Table 8: Dimensions

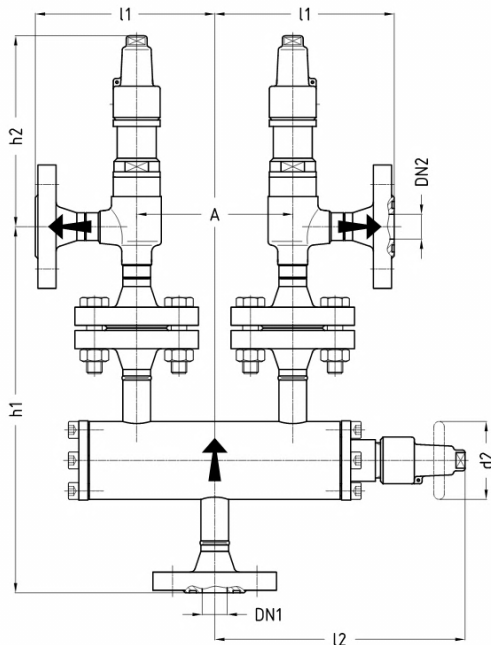
DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

Type*: HB = installation lengths according to EN-standard, A*: for PN63 DIN-flange, DIN/EN flange facings with DIN 2512 tongue/groove as standard

12 WVR-SVUA FL NIRO

O: PTFE seat seal, **FL:** Flanged ends, **HT:** Temperature up to +200°C

WVR-SVU stainless steel change-over safety valve combination - back-pressure independent for natural gases and liquids (e.g. NH₃, CO₂) and non-corrosive media according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:			Flanged ends acc. to:														Response pressure range		
DN*	Base valve	Type*	AWP DN10-20 PN25 DN25-80 PN40		PN25/40 DIN 2635 EN1092-1		PN63 DIN 2636 EN1092-1		ANSI 300 RF										h2*) for
DN1/ DN2	Base	Type	l1	h1	l1	h1	l1	h1	l1	h1	h2	h2*)	l2	d2	A	A*	bar	bar	
10/10	10/10		126	269	129	279	154	309			148	175	187	60	108	135	4-63	28-63	
15/15	15/15		132	263	138	282	159	303	152	325	148	175	193	60	120	145	4-63	28-63	
15/25	15/15	HB			155	298					148	175	193	60	120		4-40	28-40	
20/25	15/15	HB			170	322					148	175	208	60	150		4-40	28-40	
25/25	15/15	HBJ			180	301					148	175	259	120	160		4-40	28-40	

Table 9: Dimensions

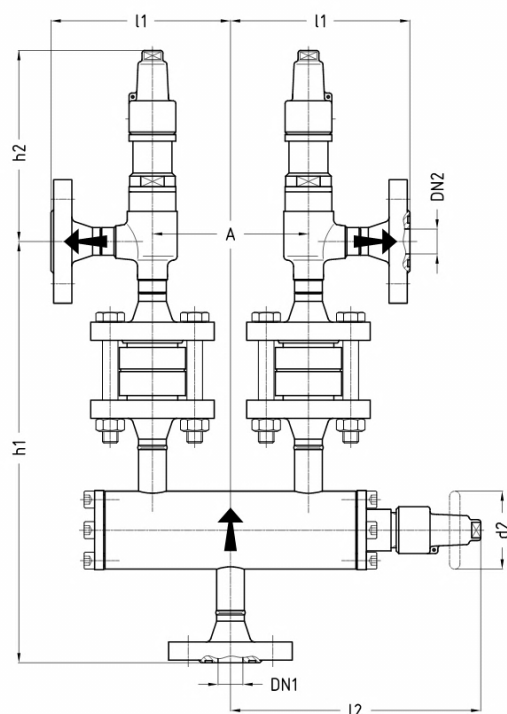
DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

Type*: HB = installation lengths according to EN-standard, A*: for PN63 DIN-flange, DIN/EN flange facings with DIN 2512 tongue/groove as standard

13 WVR-SVUA BS FL

O: PTFE seat seal, **BS:** bursting discs, **FL:** Flanged ends

WVR-SVU BS steel change-over safety valve combination with bursting discs - back-pressure independent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size: Flanged ends acc. to:														Response pres- sure range	
DN*	Base valve	Type*	AWP DN10-20 PN25 DN25-80 PN40		PN25/40 DIN 2635 EN1092-1		ANSI 300 RF								h2*) for
DN1/DN2	Base	Type	l1	h1	l1	h1	l1	h1	h2	h2*)	l2	d2	A	bar	bar
15/15	15/15		132	305	138	324	159	367	148	175	193	60	120	4-40	28-40
15/25	15/15	HB			155	340			148	175	193	60	120	4-40	28-40
20/25	15/15	HB			170	364			148	175	208	60	150	4-40	28-40
25/25	15/15	HBJ			180	343			148	175	259	120	160	4-40	28-40

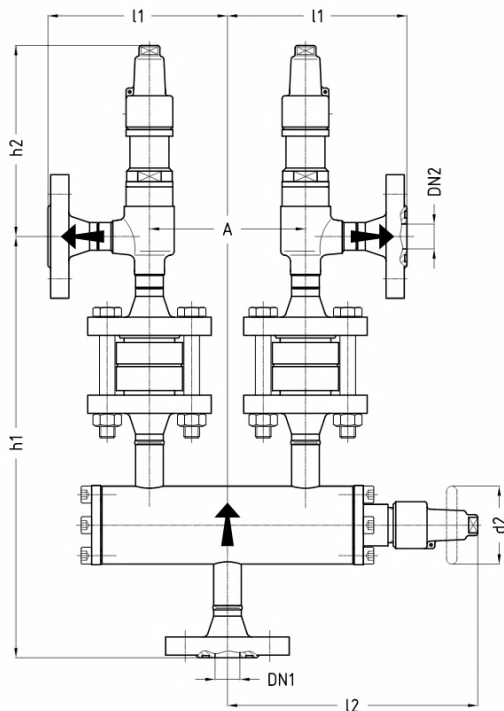
Table 10: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.
Type*: HB = installation lengths according to EN-standard, DIN/EN flange facings with DIN 2512 tongue/groove as standard

14 WVR-SVUA BS FL NIRO

O: PTFE seat seal, **BS:** bursting discs, **FL:** Flanged ends

WVR-SVU BS stainless steel change-over safety valve combination with bursting discs - back-pressure independent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

See Chapter 7 WVR /WVB, Chapter 8 SVA/SVU and Chapter 9 BS.

Nominal size:			Flanged ends acc. to:						Response pressure range						
DN*	Base valve	Type*	AWP DN10-20 PN25 DN25-80 PN40		PN25/40 DIN 2635 EN1092-1		ANSI 300 RF		h2*) for						
DN1/DN2	Base	Type	l1	h1	l1	h1	l1	h1	h2	h2*)	l2	d2	A	bar	bar
15/15	15/15		132	305	138	324	159	367	148	175	193	60	120	4-40	28-40
15/25	15/15	HB			155	340			148	175	193	60	120	4-40	28-40
20/25	15/15	HB			170	364			148	175	208	60	150	4-40	28-40
25/25	15/15	HBJ			180	343			148	175	259	120	160	4-40	28-40

Table 11: Dimensions

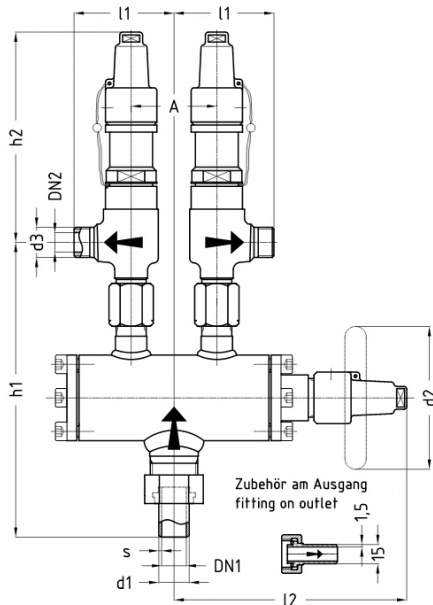
DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

Type*: HB = installation lengths according to EN-standard, DIN/EN flange facings with DIN 2512 tongue/groove as standard

15 WVR-SVUA SE

O: PTFE seat seal, **SE:** Screwed ends

WVR-SVU steel change-over safety valve combination - back-pressure independent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:		Welding ends acc. to:		Screwed ends acc. to:								Response pressure range				
DN*	Base valve	ISO Series 1	ANSI Sched40													h2*) for
DN1	DN2	Base	d1	s	d1	s	d3	l1	h1	h2	h2*)	l2	d2	A	bar	bar
15	15	15/15	21.3	2.0	21.3	2.8	G1/2	70	206	148	175	163	60	60	4-63	28-63

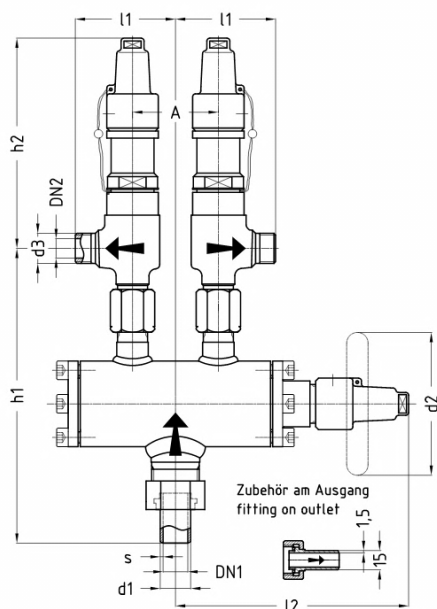
Table 12: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

16 WVR-SVUA SE NIRO

O: PTFE seat seal, **SE:** Screwed ends

WVR-SVU stainless steel change-over safety valve combination - back-pressure independent for natural gases and liquids (e.g. NH₃, CO₂) and non-corrosive media according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:		Welding ends acc. to:				Screwed ends acc. to:						Response pressure range				
DN*		Base valve	ISO Series 1		ANSI Sched40								h2*)			
DN1	DN2	Base	d1	s	d1	s	d3	l1	h1	h2	h2*)	l2	d2	A	bar	bar
15	15	15/15	21.3	2.0	21.3	2.8	G1/2	70	206	148	175	163	60	60	4-63	28-63

Table 13: Dimensions

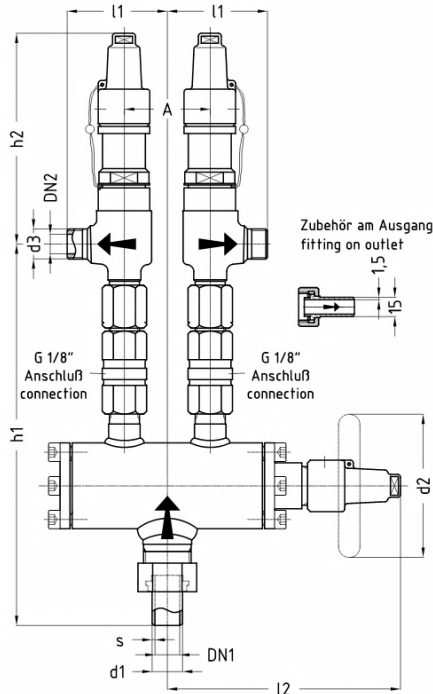
DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

17 WVR-SVUA BS SE

O: PTFE seat seal, **BS:** bursting discs, **SE:** screwed ends

O: PTFE seat seal, **BS:** bursting discs, **FL:** flanged ends, **HT:** Temperature up to +200°C

WVR-SVU BS steel change-over safety valve combination with bursting discs - back-pressure independent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:			Welding ends acc. to:				Screwed ends acc. to:						Response pressure range			
DN*		Base valve	ISO Series 1		ANSI								h2*)			
DN1	DN2	Base	d1	s	d1	s	d3	l1	h1	h2	h2*)	l2	d2	A	bar	bar
15	15	15/15	21.3	2.0	21.3	2.8	G1/2	70	268	148	175	163	60	60	4-63	28-63

Table 14: Dimensions

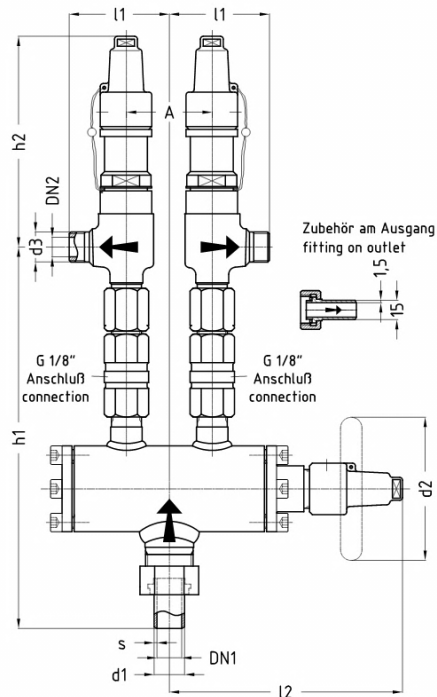
DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

18 WVR-SVUA BS SE NIRO

O: PTFE seat seal, **BS:** bursting discs, **SE:** screwed ends

O: PTFE seat seal, **BS:** bursting discs, **FL:** flanged ends, **HT:** Temperature up to +200°C

WVR-SVU BS stainless steel change-over safety valve combination with bursting discs - back-pressure independent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:			Welding ends acc. to:				Screwed ends acc. to:						Response pressure range			
DN*		Base valve	ISO Series 1		ANSI								h2*)			
					Sched40								for			
DN1	DN2	Base	d1	s	d1	s	d3	l1	h1	h2	h2*)	l2	d2	A	bar	bar
15	25	15/15	21.3	2.0	21.3	2.8	G1	70	288	148	175	163	60	60	4-63	28-63

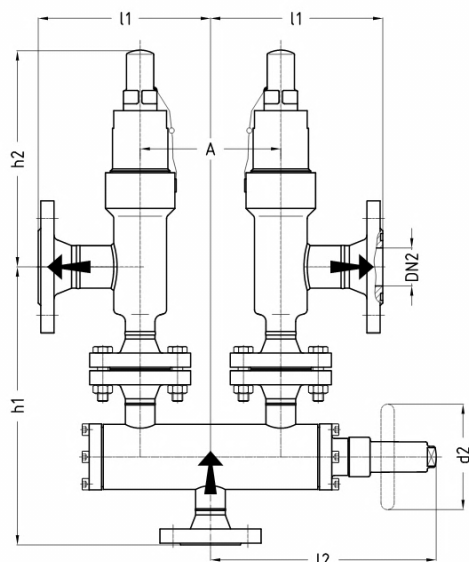
Table 15: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

19 WVR-SVUA P FL

O: PTFE seat seal, **P:** high-performance, **FL:** Flanged ends

WVR-SVU P steel change-over safety valve combination - back-pressure independent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:												Flanged ends acc. to:															Response pressure range
		Base valve	Type*	AWP DN10-20 PN25 DN25-80 PN40		PN25/40 DIN 2635 EN1092-1		PN63 DIN 2636 EN1092-1		ANSI 300 RF									h2*) for								
DN1	DN2	Base	Type	l1	h1	l1	h1	l1	h1	l1	h1	h2	h2*)	l2	d2	A	A*	bar	bar								
15	25	15/25		160	281	156	300	187	321	172	330	207		193	60	120	145	5-63									
15	25	15/25	HB			155	299					207		193	60	120		5-40									
20	25	15/25	HB			170	323					207		208	60	150		5-40									
25	25	15/25	HBK			160	292					207		259	120	160		5-40									
25	25	15/25	HBJ			180	302					207		259	120	160		5-40									
20	32	20/32		185	311	183	336	206	360	198	373	238	258	208	60	150	160	5-63	40-63								
25	32	20/32	HB			180	302					238		259	120	160		5-40									
32	32	20/32	HB			195	311					238		259	120	180		5-40									
25	40	25/40		190	330	196	318	221	372	213	365	246	266	259	120	160	175	5-63	24-63								
32	40	25/40	HB			195	311					246	266	259	120	180		5-40	24-40								
40	40	25/40	HB			222	331					246	266	312	140	214		5-40	24-40								
32	50	32/50		213	344	218	338			234	384	278		259	120	180		5-40									
40	50	32/50	HB			222	331					278		312	140	214		5-40									
50	50	32/50	HB			239	355					278		319	140	228		5-40									

Nominal size:			Flanged ends acc. to:														Response pressure range	
40	65	40/65		256	333	254	352			272	403	281		312	140	214		5-40
50	65	40/65	HB			239	355					281		319	140	228		5-40
65	65	40/65	HB			283	409					281		350	140	276		5-40
50	80	50/80				388	380					402		454	140	325		5-28
65	100	65/100				478	454					595		483	140	393		5-28

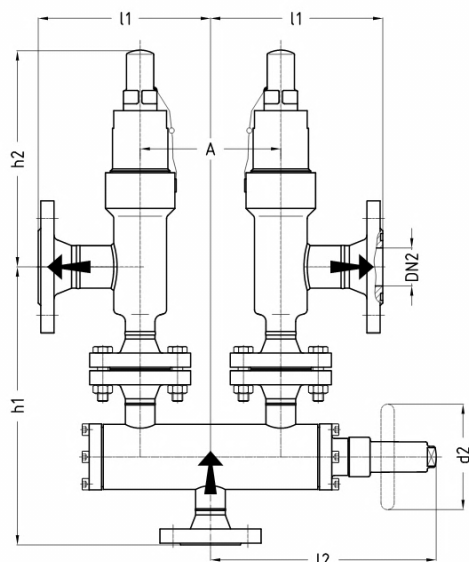
Table 16: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.
 Type*: HB = installation lengths according to EN-standard, A*: for PN63 DIN-flange, DIN/EN flange facings with DIN 2512 tongue/groove as standard

20 WVR-SVUA P FL NIRO

O: PTFE seat seal, **P:** high-performance, **FL:** Flanged ends

WVR-SVU P stainless steel change-over safety valve combination - back-pressure independent for natural gases and liquids (e.g. NH₃, CO₂) and non-corrosive media according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:				Flanged ends acc. to:														Response pressure range	
	Base valve		Type*	AWP DN10-20 PN25 DN25-80 PN40		PN25/40 DIN 2635 EN1092-1		PN63 DIN 2636 EN1092-1		ANSI 300 RF								h2*) for	
DN1	DN2	Base	Type	l1	h1	l1	h1	l1	h1	l1	h1	h2	h2*)	l2	d2	A	A*	bar	bar
15	25	15/25		160	281	156	300	187	321	172	330	207		193	60	120	145	5-63	
15	25	15/25	HB			155	299					207		193	60	120		5-40	
20	25	15/25	HB			170	323					207		208	60	150		5-40	
25	25	15/25	HBK			160	292					207		259	120	160		5-40	
25	25	15/25	HBJ			180	302					207		259	120	160		5-40	
20	32	20/32		185	311	183	336	206	360	198	373	238	258	208	60	150	160	5-63	40-63
25	32	20/32	HB			180	302					238		259	120	160		5-40	
32	32	20/32	HB			195	311					238		259	120	180		5-40	
25	40	25/40		190	330	196	318	221	372	213	365	246	266	259	120	160	175	5-63	24-63
32	40	25/40	HB			195	311					246	266	259	120	180		5-40	24-40
40	40	25/40	HB			222	331					246	266	312	140	214		5-40	24-40
32	50	32/50		213	344	218	338			234	384	278		259	120	180		5-40	
40	50	32/50	HB			222	331					278		312	140	214		5-40	
50	50	32/50	HB			239	355					278		319	140	228		5-40	

Nominal size:			Flanged ends acc. to:									Response pressure range							
40	65	40/65		256	333	254	352			272	403	281		312	140	214		5-40	
50	65	40/65	HB			239	355					281		319	140	228		5-40	
65	65	40/65	HB			283	409					281		350	140	276		5-40	
50	80	50/80				388	380					402		454	140	325		5-28	
65	100	65/100				478	454					595		483	140	393		5-28	

Table 17: Dimensions

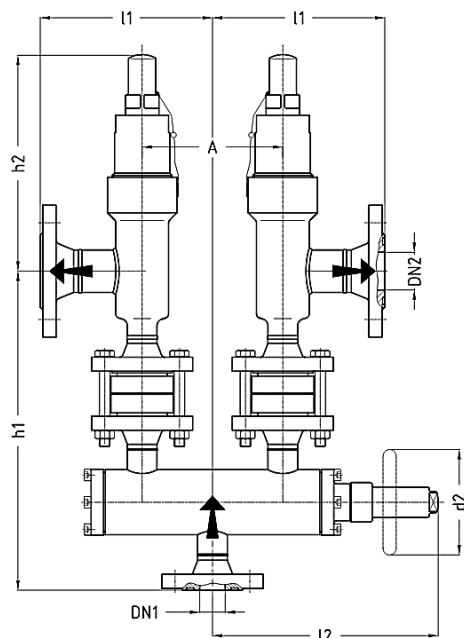
DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

Type*: HB = installation lengths according to EN-standard, A*: for PN63 DIN-flange, DIN/EN flange facings with DIN 2512 tongue/groove as standard

21 WVR-SVUA P BS FL

O: PTFE seat seal, **P:** high-performance, **BS:** bursting discs, **FL:** Flanged ends

WVR-SVU P BS steel change-over safety valve combination with bursting discs - back-pressure independent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:			Flanged ends acc. to:						Response pressure range						
DN*	Base valve	Type*	AWP DN10-20 PN25 DN25-80 PN40		PN25/40 DIN 2635 EN1092-1		ANSI 300 RF								h2*) for
DN1/DN2	Base	Type	l1	h1	l1	h1	l1	h1	h2	h2*)	l2	d2	A	bar	bar
15/25	15/25		160	322	156	341	172	371	207		193	60	120	5-40	
15/25	15/25	HB			155	340			207		193	60	120	5-40	
20/25	15/25	HB			170	364			207		208	60	150	5-40	
25/25	15/25	HBK			160	333			207		259	120	160	5-40	
25/25	15/25	HBJ			180	343			207		259	120	160	5-40	
20/32	20/32		185	352	183	377	198	414	238		208	60	150	5-40	
25/32	20/32	HB			180	343			238		259	120	160	5-40	
32/32	20/32	HB			195	352			238		259	120	180	5-40	
25/40	25/40		190	376	196	364	213	411	246	266	259	120	160	5-40	24-40
32/40	25/40	HB			195	357			246	266	259	120	180	5-40	24-40
40/40	25/40	HB			222	377			246	266	312	140	214	5-40	24-40
32/50	32/50		213	390	218	384	234	430	278		259	120	180	5-40	
40/50	32/50	HB			222	377			278		312	140	214	5-40	
50/50	32/50	HB			239	401			278		319	140	228	5-40	
40/65	40/65		256	379	254	398	272	449	281		312	140	214	5-40	
50/65	40/65	HB			239	401			281		319	140	228	5-40	

Nominal size:			Flanged ends acc. to:										Response pressure range		
65/65	40/65	HB			283	455			281		350	140	276	5-40	
50/80	50/80	HB			388	433			402		454	140	325	5-28	
65/100	65/100	HB			478	511			595		483	140	393	5-28	

Table 18: Dimensions

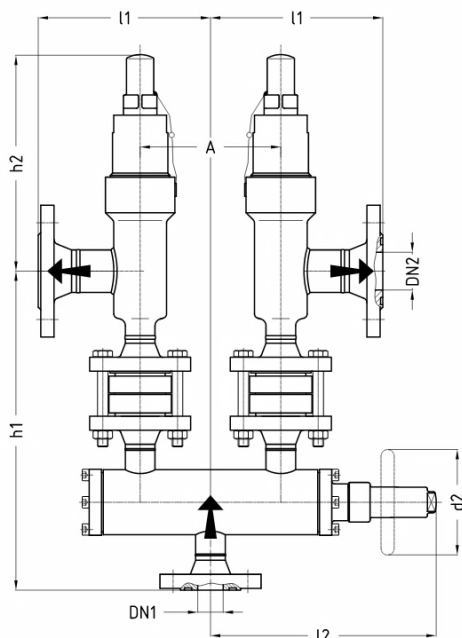
DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

Type*: HB = installation lengths according to EN-standard, DIN/EN flange facings with DIN 2512 tongue/groove as standard

22 WVR-SVUA P BS FL NIRO

O: PTFE seat seal, **P:** high-performance, **BS:** bursting discs, **FL:** Flanged ends

WVR-SVU P BS stainless steel change-over safety valve combination with bursting discs - back-pressure independent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:			Flanged ends acc. to:						Response pressure range						
DN*	Base valve	Type*	AWP DN10-20 PN25 DN25-80 PN40		PN25/40 DIN 2635 EN1092-1		ANSI 300 RF								h2*) for
DN1/DN2	Base	Type	l1	h1	l1	h1	l1	h1	h2	h2*)	l2	d2	A	bar	bar
15/25	15/25		160	322	156	341	172	371	207		193	60	120	5-40	
15/25	15/25	HB			155	340			207		193	60	120	5-40	
20/25	15/25	HB			170	364			207		208	60	150	5-40	
25/25	15/25	HBK			160	333			207		259	120	160	5-40	
25/25	15/25	HBJ			180	343			207		259	120	160	5-40	
20/32	20/32		185	352	183	377	198	414	238		208	60	150	5-40	
25/32	20/32	HB			180	343			238		259	120	160	5-40	
32/32	20/32	HB			195	352			238		259	120	180	5-40	
25/40	25/40		190	376	196	364	213	411	246	266	259	120	160	5-40	24-40
32/40	25/40	HB			195	357			246	266	259	120	180	5-40	24-40
40/40	25/40	HB			222	377			246	266	312	140	214	5-40	24-40
32/50	32/50		213	390	218	384	234	430	278		259	120	180	5-40	
40/50	32/50	HB			222	377			278		312	140	214	5-40	
50/50	32/50	HB			239	401			278		319	140	228	5-40	
40/65	40/65		256	379	254	398	272	449	281		312	140	214	5-40	
50/65	40/65	HB			239	401			281		319	140	228	5-40	

Nominal size:			Flanged ends acc. to:										Response pressure range		
65/65	40/65	HB			283	455			281		350	140	276	5-40	
50/80	50/80	HB			388	433			402		454	140	325	5-28	
65/100	65/100	HB			478	511			595		483	140	393	5-28	

Table 19: Dimensions

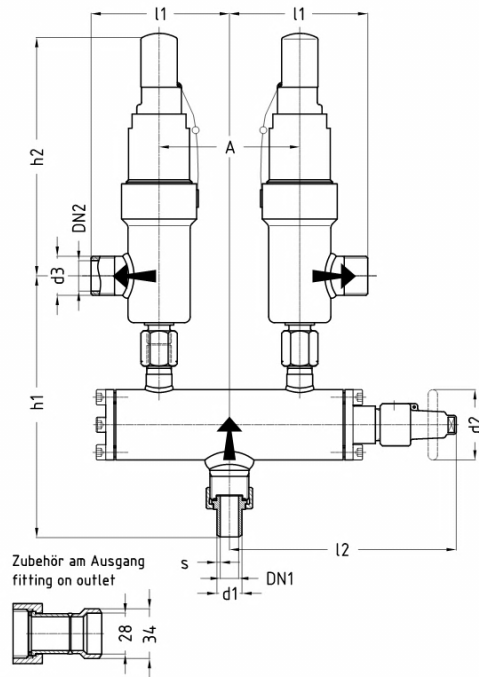
DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

Type*: HB = installation lengths according to EN-standard, DIN/EN flange facings with DIN 2512 tongue/groove as standard

23 WVR-SVUA P SE

O: PTFE seat seal, **P:** high-performance, **SE:** Screwed ends

WVR-SVU P steel change-over safety valve combination - back-pressure independent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:			Welding ends acc. to:				Screwed ends acc. to:							Response pressure range	
DN*		Base valve	ISO Series 1		ANSI Sched40										
DN1	DN2	Base	d1	s	d1	s	d3	l1	h1	h2	l2	d2	A	bar	
15	25	15/25	21.3	2.0	21.3	2.8	G1	118	223	207	193	60	120	5-63	

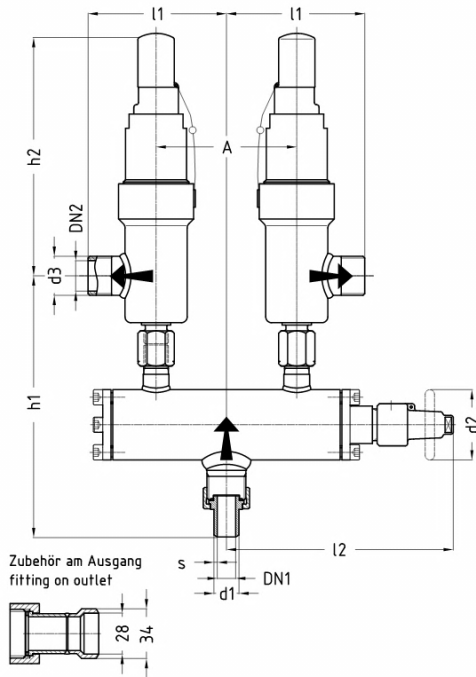
Table 20: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

24 WVR-SVUA P SE NIRO

O: PTFE seat seal, **P:** high-performance, **SE:** Screwed ends

WVR-SVU P stainless steel change-over safety valve combination - back-pressure independent for natural gases and liquids (e.g. NH₃, CO₂) and non-corrosive media according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:		Welding ends acc. to:					Screwed ends acc. to:							Response pressure range	
DN*		Base valve	ISO Series 1		ANSI Sched40										
DN1	DN2	Base	d1	s	d1	s	d3	l1	h1	h2	l2	d2	A	bar	
15	25	15/25	21.3	2.0	21.3	2.8	G1	118	223	207	193	60	120	5-63	

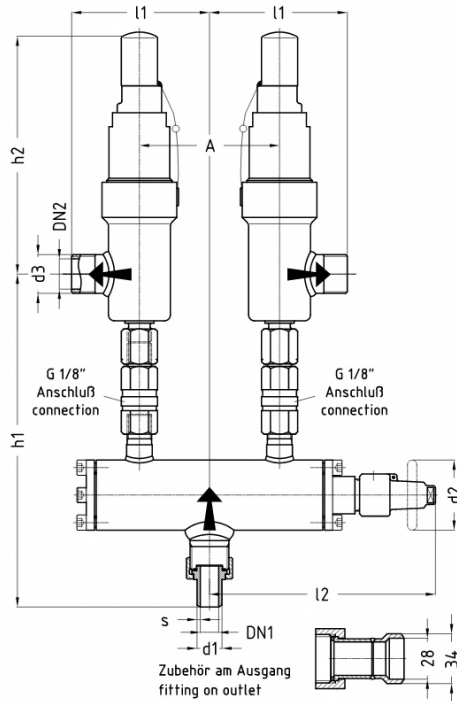
Table 21: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

25 WVR-SVUA P BS SE

O: PTFE seat seal, **P:** high-performance, **BS:** bursting discs, **SE:** Screwed ends

WVR-SVU P BS steel change-over safety valve combination with bursting discs - back-pressure independent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:		Welding ends acc. to:		Screwed ends acc. to:						Response pressure range				
DN*		Base valve	ISO Series 1		ANSI Sched40									
DN1	DN2	Base	d1	s	d1	s	d3	l1	h1	h2	l2	d2	A	bar
15	25	15/25	21.3	2.0	21.3	2.8	G1	118	285	207	193	60	120	5-63

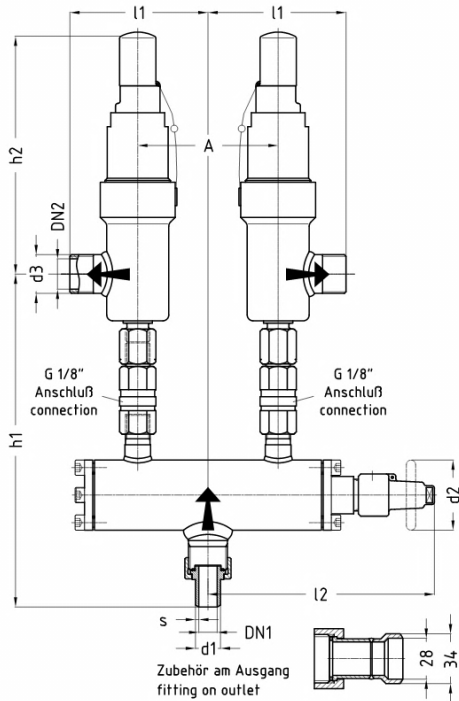
Table 22: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

26 WVR-SVUA P BS SE NIRO

O: PTFE seat seal, **P:** high-performance, **BS:** bursting discs, **SE:** Screwed ends

WVR-SVU P BS stainless steel change-over safety valve combination with bursting discs - back-pressure independent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:		Welding ends acc. to:					Screwed ends acc. to:							Response pressure range
DN*		Base valve	ISO Series 1		ANSI Sched40									
DN1	DN2	Base	d1	s	d1	s	d3	l1	h1	h2	l2	d2	A	bar
15	25	15/25	21.3	2.0	21.3	2.8	G1	118	285	207	193	60	120	5-63

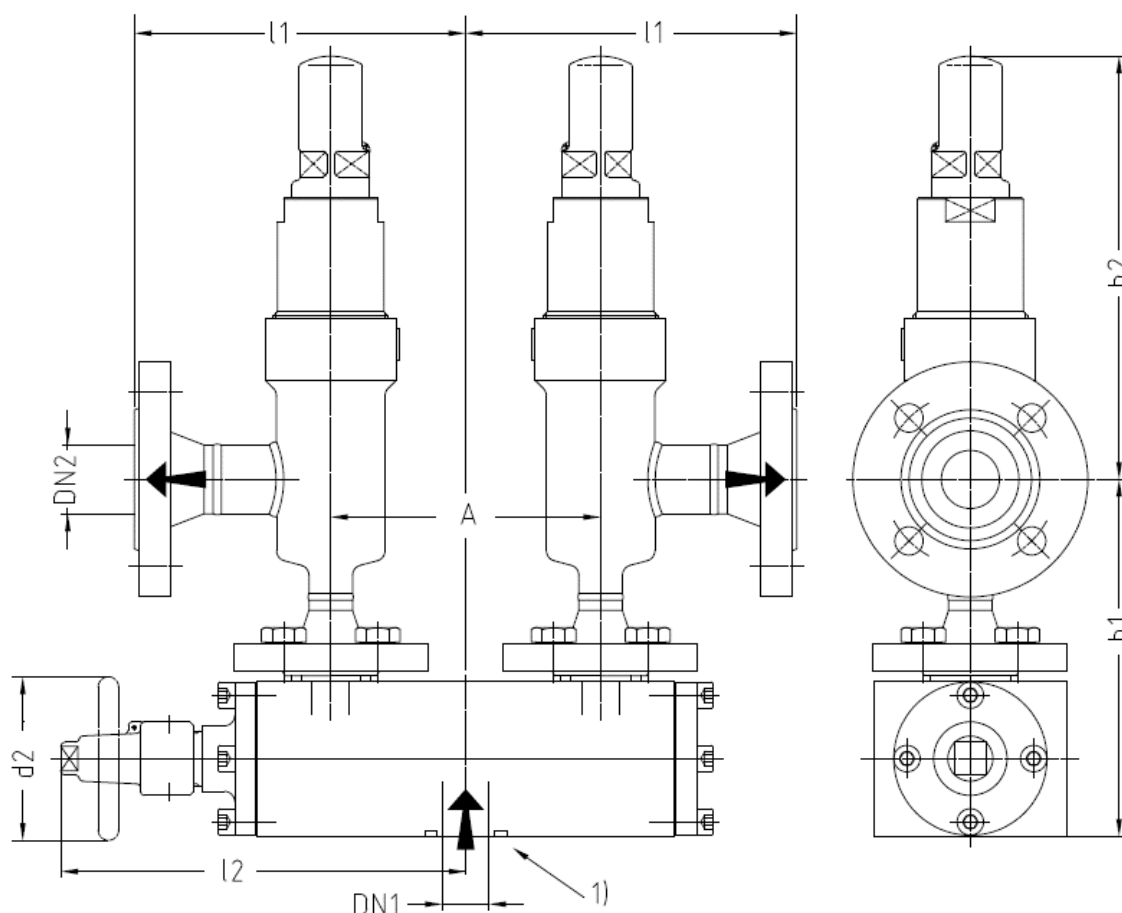
Table 23: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

27 WVR AL-SVAA FL / WVR AL-SVAB FL

AL: WVR body made of aluminium **A:** PTFE seat seal, **B:** elastomer seat seal, **FL:** Flanged ends

WVR AL-SVA steel change-over safety valve combination - back-pressure dependent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:			Flanged ends acc. to:													Response pres- sure range			
	Base valve		Typ e*	AWP DN10-20 PN25 DN25-80 PN40		PN25/40 DIN 2635 EN1092-1		PN63 DIN 2636 EN1092-1		ANSI 300 RF									h2*) for
DN1	DN2	Base	Typ e	l1	h1	l1	h1	l1	h1	l1	h1	h2	h2*)	l2	d2	A	A*	bar	bar
15	25	15/25		160	169	156	176	187	183	178	192	207		193	60	120	145	5–63	
15	25	15/25	HB			155	175					207		193	60	120		5–40	
20	25	15/25	HB			170	175					207		208	60	150		5–40	
25	25	15/25	HBK			160	190					207		259	120	160		5–40	
25	25	15/25	HBJ			180	200					207		259	120	160		5–40	

Nominal size:			Flanged ends acc. to:												Response pressure range				
20	32	20/32		185	179	183	188	214	196	206	207	238	258	208	60	150	160	5-63	40-63
25	32	20/32	HB			180	200					238		259	120	160		5-40	
32	32	20/32	HB			202	205					238		279	120	194		5-40	
25	40	25/40		190	219	196	216	229	249	219	240	246	266	259	120	160	175	5-63	24-63
32	40	25/40	HB			202	205					246	266	279	120	194		5-40	24-40
32	50	32/50		214	229	219	228			241	253	278		279	120	194		5-40	
40	40	25/40				228	283					247		324	120	227		5-40	

Table 24: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

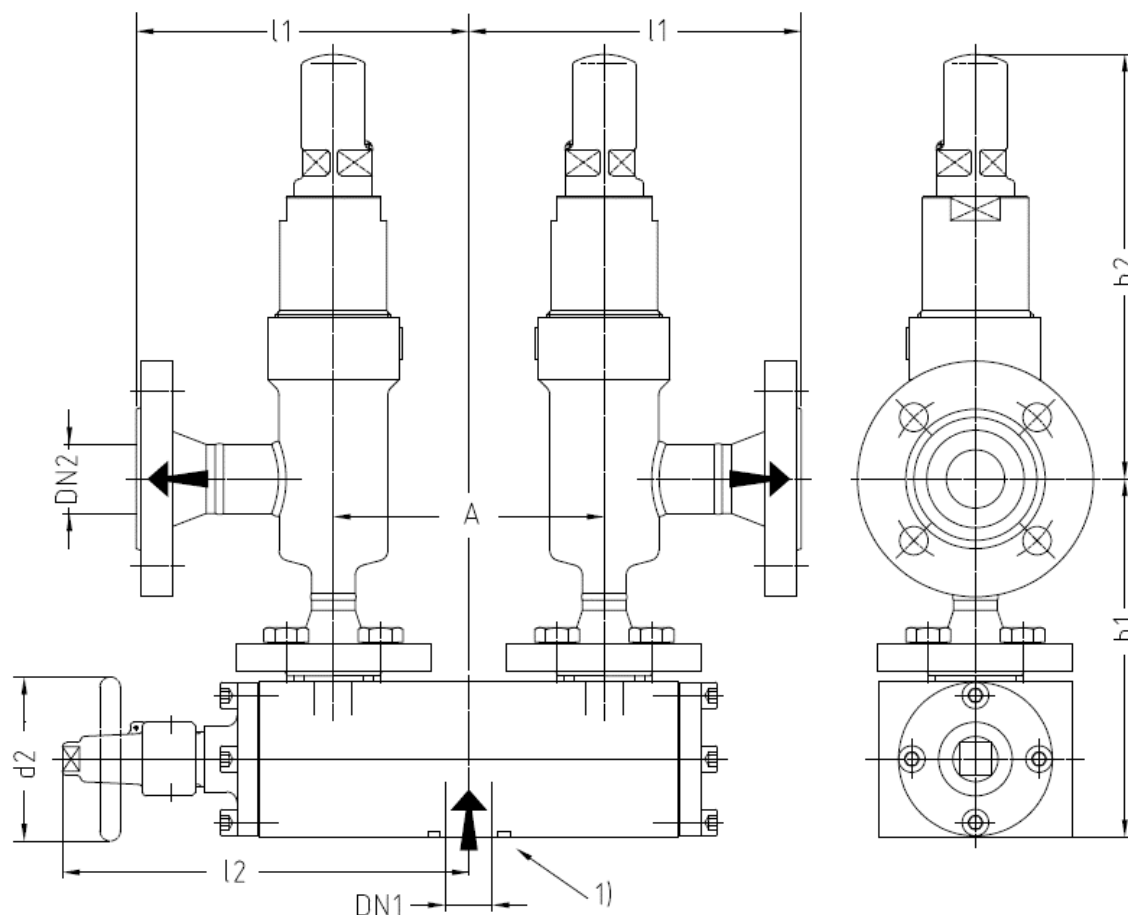
Type*: HB = installation lengths according to EN-standard, A*: for PN63 DIN-flange

DIN/EN flange facings with DIN 2512 tongue/groove as standard

28 WVR AL-SVAA FL / WVR AL-SVAB FL

AL: WVR body made of aluminium **A:** PTFE seat seal, **B:** elastomer seat seal, **FL:** Flanged ends

WVR AL-SVA stainless steel change-over safety valve combination - back-pressure dependent for natural gases and liquids (e.g. NH₃, CO₂) and non-corrosive media according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:				Flanged ends acc. to:																Response pressure range	
	Base valve			Typ e*	AWP DN10-20 PN25 DN25-80 PN40		PN25/40 DIN 2635 EN1092-1		PN63 DIN 2636 EN1092-1		ANSI 300 RF								h2*) for		
DN1	DN2	Base	Typ e	l1	h1	l1	h1	l1	h1	l1	h1	h2	h2*)	l2	d2	A	A*	bar	bar		
15	25	15/25		160	169	156	176	187	183	178	192	207		193	60	120	145	5–63			
15	25	15/25	HB			155	175					207		193	60	120		5–40			
20	25	15/25	HB			170	175					207		208	60	150		5–40			
25	25	15/25	HBK			160	190					207		259	120	160		5–40			

Nominal size:				Flanged ends acc. to:														Response pressure range	
25	25	15/25	HBJ			180	200					207		259	120	160		5-40	
20	32	20/32		185	179	183	188	214	196	206	207	238	258	208	60	150	160	5-63	40-63
25	32	20/32	HB			180	200					238		259	120	160		5-40	
32	32	20/32	HB			202	205					238		279	120	194		5-40	
25	40	25/40		190	219	196	216	229	249	219	240	246	266	259	120	160	175	5-63	24-63
32	40	25/40	HB			202	205					246	266	279	120	194		5-40	24-40
32	50	32/50		214	229	219	228			241	253	278		279	120	194		5-40	
40	40	25/40				228	283					247		324	120	227		5-40	

Table 25: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

Type*: HB = installation lengths according to EN-standard, A*: for PN63

DIN-flange DIN/EN flange facings with DIN 2512 tongue/groove as standard

29 WVR AL-SVAA FL Herl T24.1V / WVR AL-SVAB FL Herl T24.1V

AL: WVR body made of aluminium **A:** PTFE seat seal, **B:** elastomer seat seal, **FL:** Flanged ends

WVR AL-SVA steel change-over safety valve combination - back-pressure dependent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1

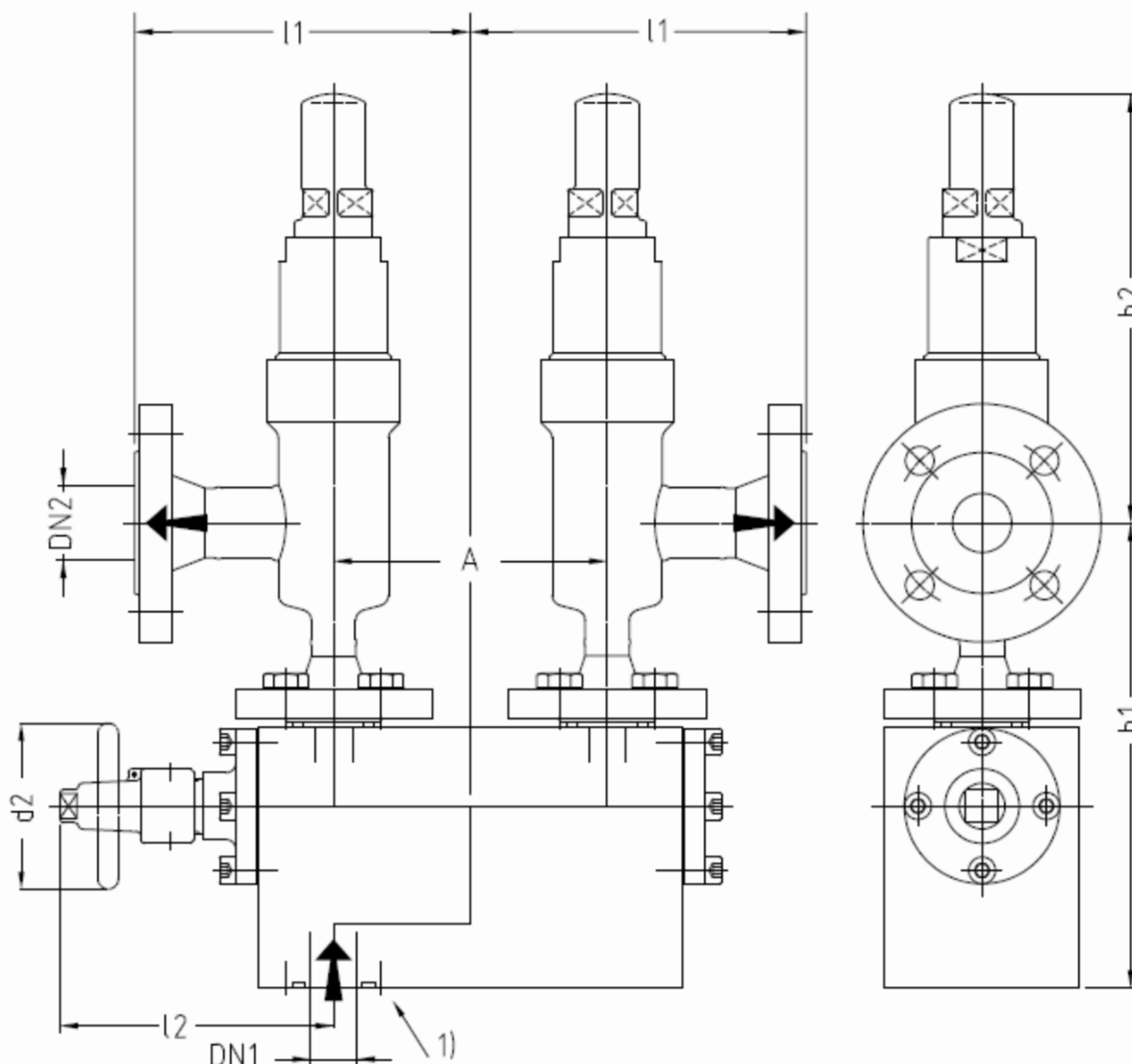


Illustration 1:

Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:				Flanged ends acc. to:								Response pressure range	
		Base valve		Type*	Type SV	Type WVR	PN25/40 DIN 2635 EN1092-1						
DN1	DN2	Base	Type			l1	h1	h2	l2	d2	A	bar	
15	25	15/2 5	HB	T23V	T25V	157.5	244	207	133	60	125	5–40	
20	25	15/2 5	HB	T23V	T25V	157.5	244	207	133	60	125	5–40	
25	32	20/3 2	HB	T23V	T25V	166.5	259	238	178	120	133	5–40	

Nominal size:				Flanged ends acc. to:						Response pressure range		
32	32	20/3 2	HB	T23V	T25V	186.5	284	238	183	120	173	5–40
32	40	25/4 0	HB	T23V	T25V	191.5	284	246	183	120	173	5–40
40	40	25/4 0	HB	T23V	T25V	201.5	314	246	210	140	193	5–40
40	50	32/5 0	HB	T23V	T25V	211.5	314	278	210	140	193	5–40
50	50	32/5 0	HB	T23V	T25V	211.5	354	278	216	140	193	5–40
50	65	40/6 5	HB	T23V	T25V	221.5	354	281	216	140	193	5–40

Table 26: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

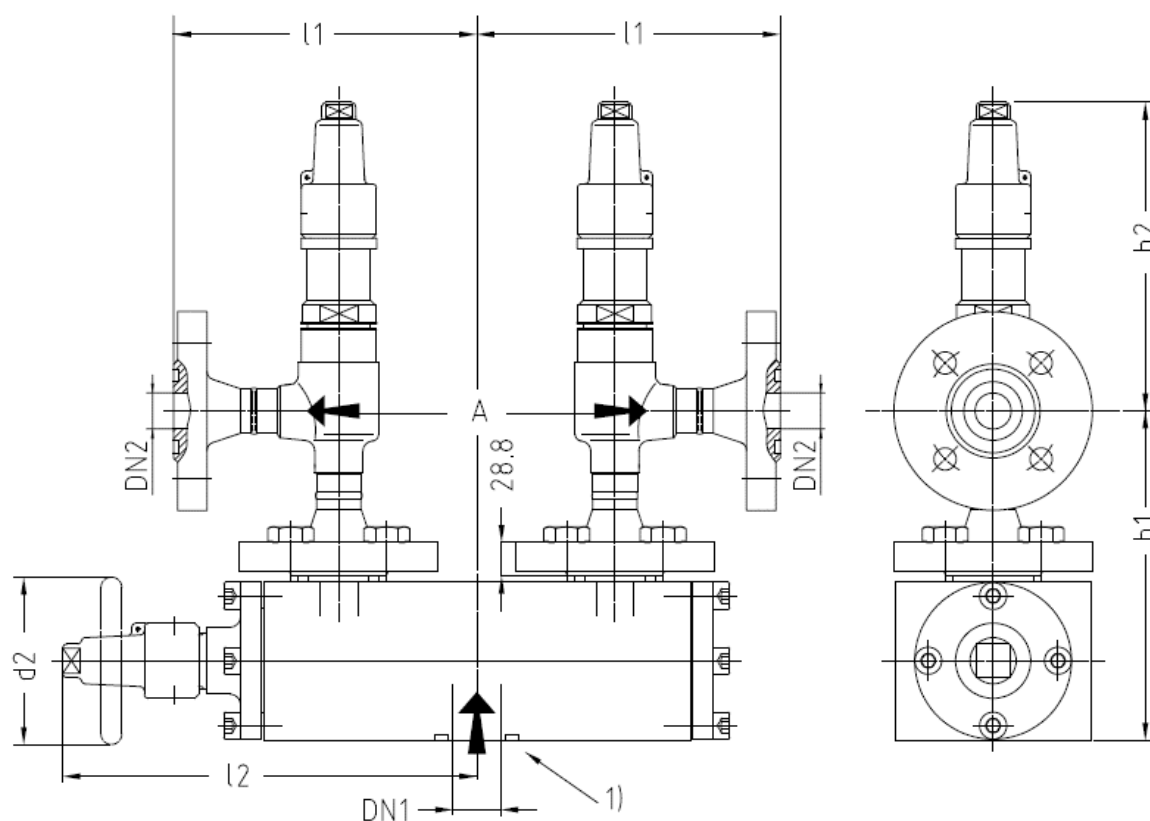
Type*: HB = installation lengths according to EN-standard

DIN/EN flange facings with DIN 2512 tongue/groove as standard

30 WVR AL-SVUA FL / WVR AL-SVUB FL

AL: WVR body made of aluminium **A:** PTFE seat seal, **B:** elastomer seat seal, **FL:** Flanged ends

WVR AL-SVU steel change-over safety valve combination - back-pressure independent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:			Flanged ends acc. to:														Response pressure range	
DN*	Base valve	Type*	AWP DN10-20 PN25 DN25-80 PN40		PN25/40 DIN 2635 EN1092-1		PN63 DIN 2636 EN1092-1		ANSI 300 RF								h2*) for	
DN1/ DN2	Base	Type	l1	h1	l1	h1	l1	h1	l1	h1	h2	h2*)	l2	d2	A	A*	bar	bar
15/15	15/15		132	151	138	159	159	166	153	175	148	175	193	60	120	145	4-63	28-63
15/25	15/15	HB			155	175					148	175	193	60	120		4-40	28-40
20/25	15/15	HB			170	175					148	175	208	60	150		4-40	28-40

Nominal size:			Flanged ends acc. to:															Response pressure range	
25/25	15/15	HBJ			180	200						148	175	259	120	160		4-40	28-40

Table 27: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

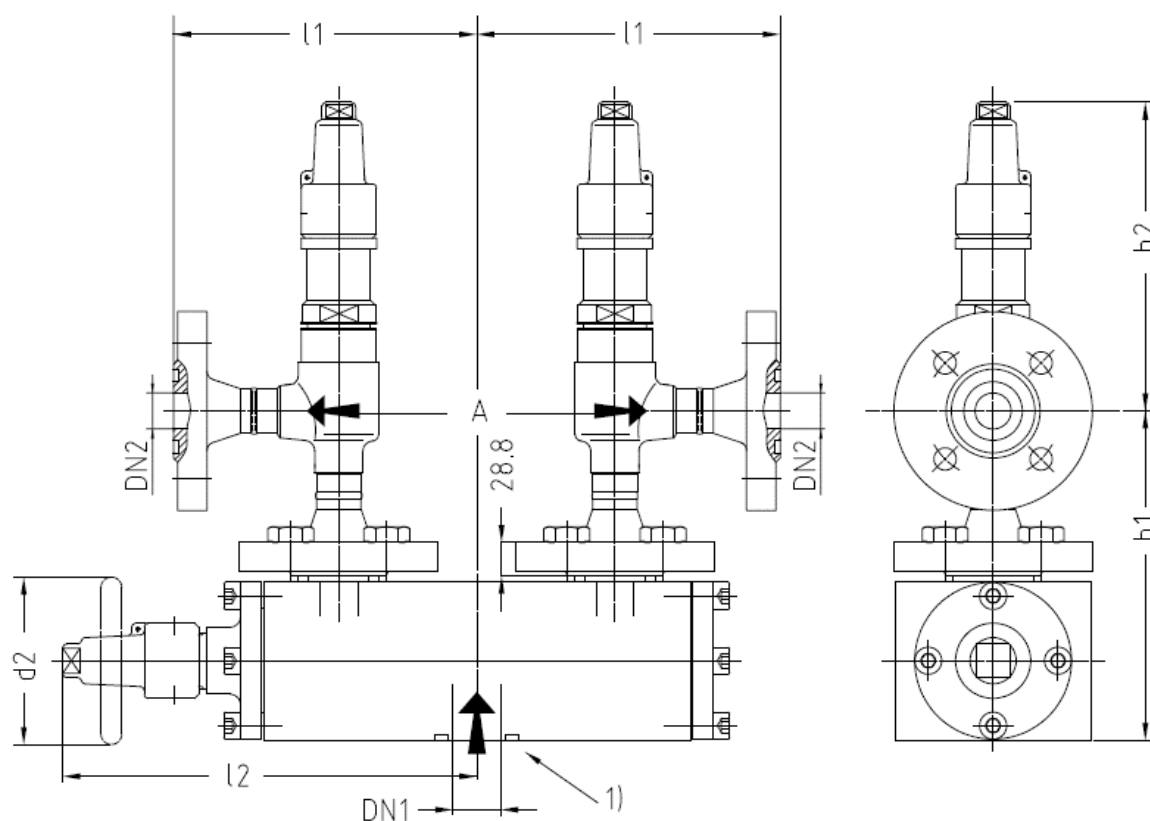
Type*: HB = installation lengths according to EN-standard, A*: for PN63

DIN-flange DIN/EN flange facings with DIN 2512 tongue/groove as standard

31 WVR AL-SVUA FL NIRO / WVR AL-SVUB FL NIRO

AL: WVR body made of aluminium **A:** PTFE seat seal, **B:** elastomer seat seal, **FL:** Flanged ends

WVR AL-SVU stainless steel change-over safety valve combination - back-pressure independent for natural gases and liquids (e.g. NH₃, CO₂) and non-corrosive media according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:			Flanged ends acc. to:												Response pressure range			
DN*	Base valve	Type*	AWP DN10-20 PN25 DN25-80 PN40				PN25/40 DIN 2635 EN1092-1		PN63 DIN 2636 EN1092-1		ANSI 300 RF						h2*) for	
DN1/ DN2	Base	Type	l1	h1	l1	h1	l1	h1	l1	h1	h2	h2*)	l2	d2	A	A*	bar	bar
15/15	15/15		132	151	138	159	159	166	153	175	148	175	193	60	120	145	4-63	28-63
15/25	15/15	HB			155	175					148	175	193	60	120		4-40	28-40
20/25	15/15	HB			170	175					148	175	208	60	150		4-40	28-40

Nominal size:			Flanged ends acc. to:															Response pressure range	
25/25	15/15	HBJ			180	200						148	175	259	120	160		4-40	28-40

Table 28: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

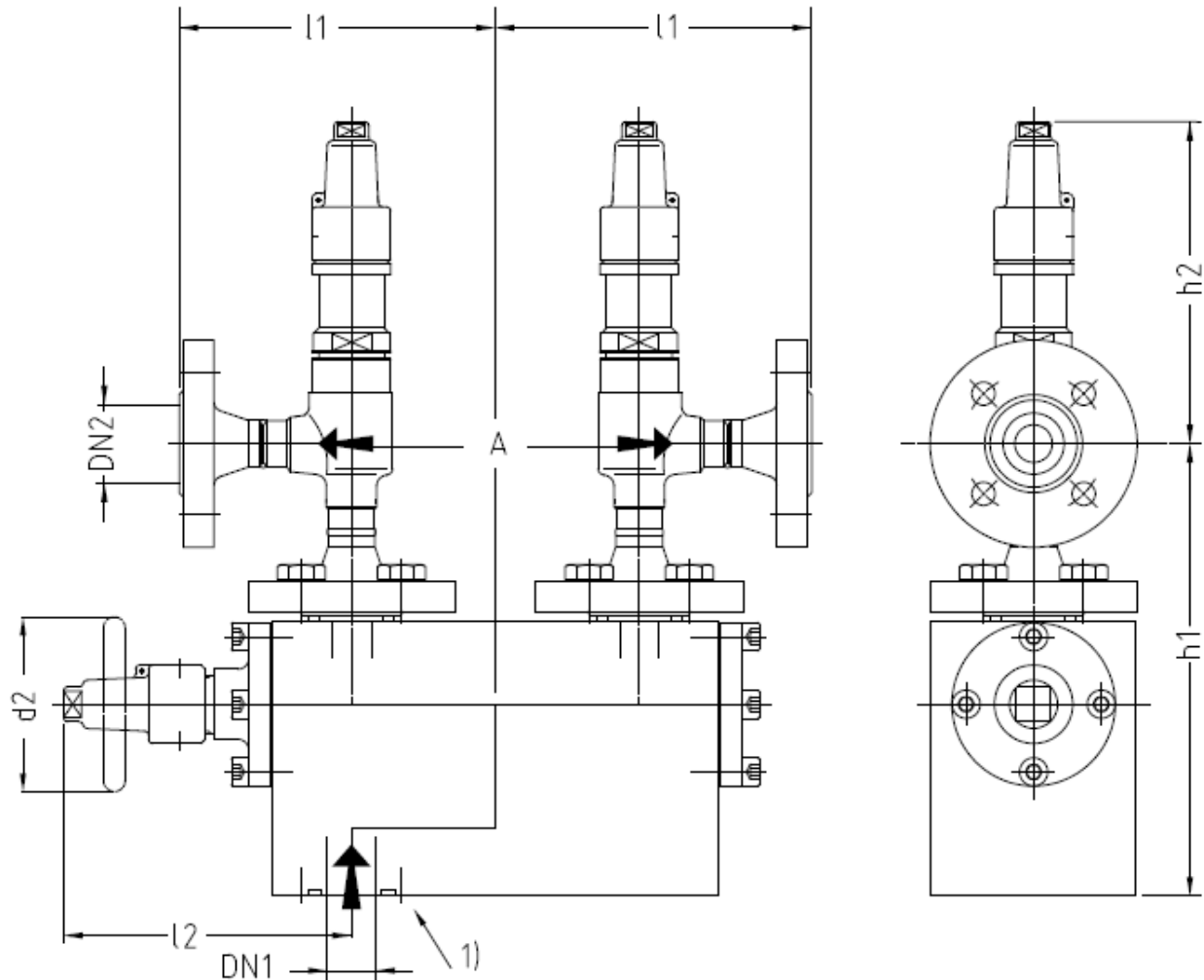
Type*: HB = installation lengths according to EN-standard, A*: for PN63

DIN-flange DIN/EN flange facings with DIN 2512 tongue/groove as standard

32 WVR AL-SVUA FL Herl T19.1F / WVR AL-SVUB FL Herl T19.1F

AL: WVR body made of aluminium **A:** PTFE seat seal, **B:** elastomer seat seal, **FL:** Flanged ends

WVR AL-SVU steel change-over safety valve combination - back-pressure independent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:				Flanged ends acc. to:						Response pressure range		
	Base valve		Type*	Type SV	Type WVR	PN25/40 DIN 2635 EN1092-1						
DN1	DN2	Base	Type			l1	h1	h2	l2	d2	A	bar
15	25	15/1 5	HB	T21.1F	T25V	162. 5	250	148	133	60	125	5–40
25	25	15/1 5	HBJ	T21.1F	T25V	166. 5	260	148	178	120	133	5–40

Table 29: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

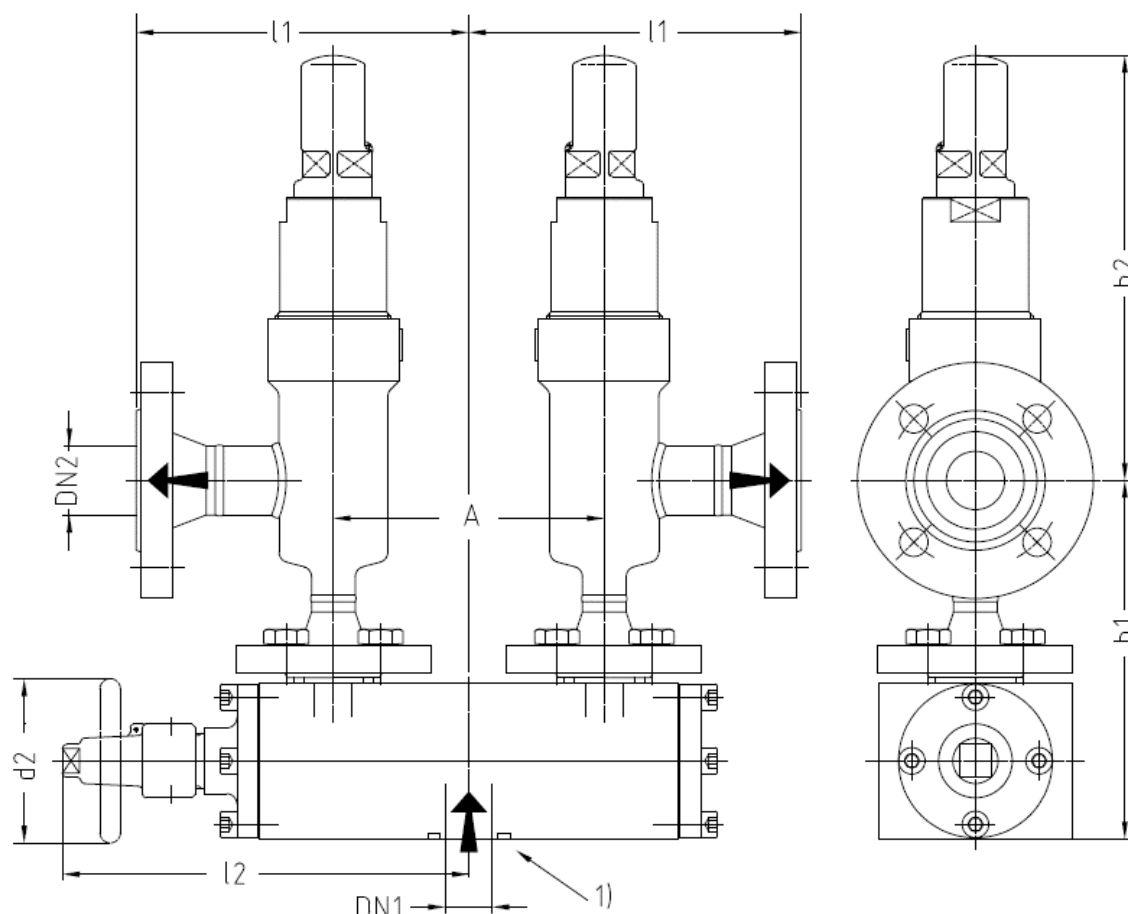
Type*: HB = installation lengths according to EN-standard

DIN/EN flange facings with DIN 2512 tongue/groove as standard

33 WVR AL-SVUA P FL / WVR AL-SVUB P FL

AL: WVR body made of aluminium **A:** PTFE seat seal, **B:** elastomer seat seal, **P:** high-performance, **FL:** Flanged ends

WVR AL-SVU P steel change-over safety valve combination - back-pressure independent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:				Flanged ends acc. to:								Response pressure range							
	Base valve		Typ e*	AWP DN10-20 PN25 DN25-80 PN40		PN25/40 DIN 2635 EN1092-1		PN63 DIN 2636 EN1092-1		ANSI 300 RF									h2*) for
DN1	DN2	Base	Typ e	l1	h1	l1	h1	l1	h1	l1	h1	h2	h2*)	l2	d2	A	A*	bar	bar
15	25	15/25		160	169	156	176	187	183	178	192	207		193	60	120	145	5–63	
15	25	15/25	HB			155	175					207		193	60	120		5–40	
20	25	15/25	HB			170	175					207		208	60	150		5–40	

Nominal size:				Flanged ends acc. to:														Response pressure range	
25	25	15/25	HBK			160	190					207		259	120	160		5-40	
25	25	15/25	HBJ			180	200					207		259	120	160		5-40	
20	32	20/32		185	179	183	188	214	196	206	207	238	258	208	60	150	160	5-63	40-63
25	32	20/32	HB			180	200					238		259	120	160		5-40	
32	32	20/32	HB			202	205					238		279	120	194		5-40	
25	40	25/40		190	219	196	216	229	249	219	240	246	266	259	120	160	175	5-63	24-63
32	40	25/40	HB			202	205					246	266	279	120	194		5-40	24-40
32	50	32/50		214	229	219	228			241	253	278		279	120	194		5-40	
40	40	25/40				228	283					247		324	120	227		5-40	

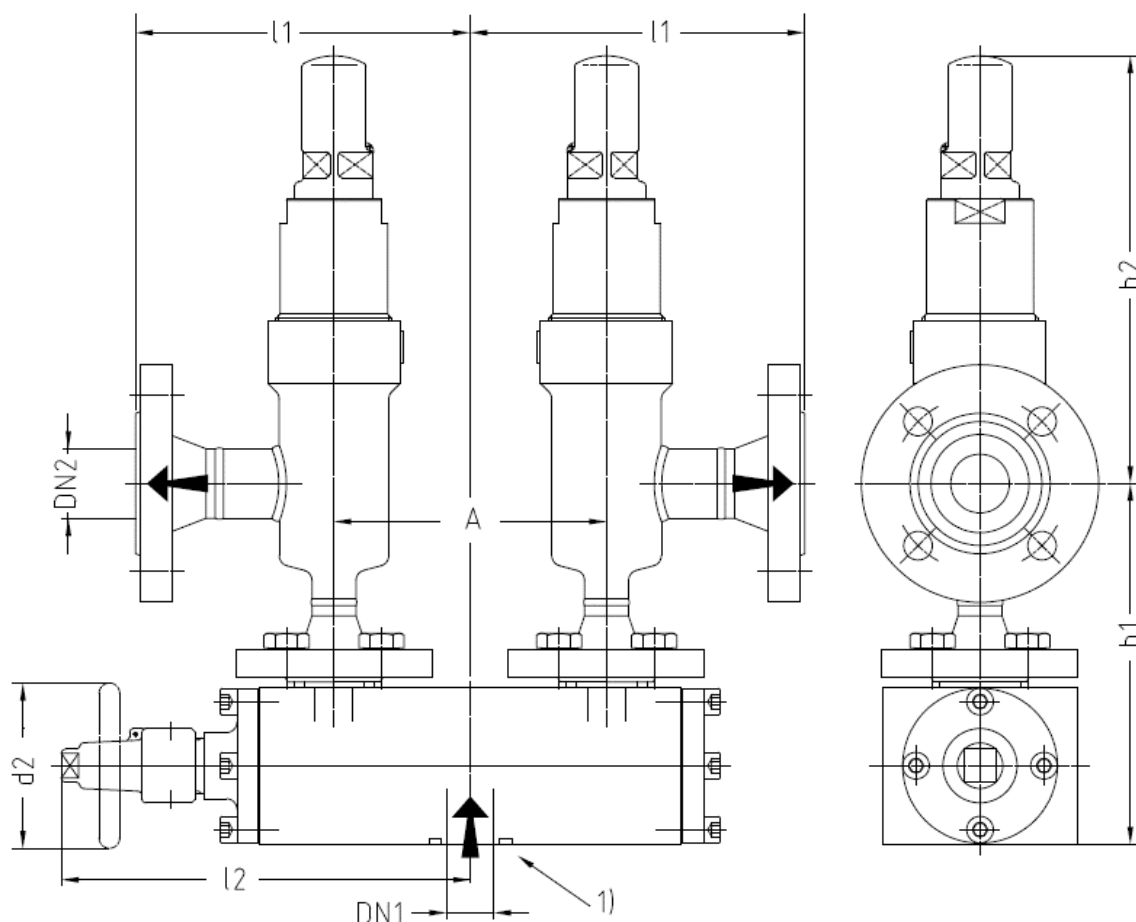
Table 30: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

Type*: HB = installation lengths according to EN-standard, A*: for PN63

DIN-flange DIN/EN flange facings with DIN 2512 tongue/groove as standard

WVR AL-SVU P stainless steel change-over safety valve combination - back-pressure independent for natural gases and liquids (e.g. NH₃, CO₂) and non-corrosive media according to EN 378-1



PN: Nominal pressure rating

Nominal size:				Flanged ends acc. to:								Response pressure range							
	Base valve		Type*	AWP DN10-20 PN25 DN25-80 PN40		PN25/40 DIN 2635 EN1092-1		PN63 DIN 2636 EN1092-1		ANSI 300 RF									h2*) for
DN1	DN2	Base	Type e	l1	h1	l1	h1	l1	h1	l1	h1	h2	h2*)	l2	d2	A	A*	bar	bar
15	25	15/25		160	169	156	176	187	183	178	192	207		193	60	120	145	5–63	
15	25	15/25	HB			155	175					207		193	60	120		5–40	
20	25	15/25	HB			170	175					207		208	60	150		5–40	
25	25	15/25	HBK			160	190					207		259	120	160		5–40	

Nominal size:				Flanged ends acc. to:														Response pressure range	
25	25	15/25	HBJ			180	200					207		259	120	160		5-40	
20	32	20/32		185	179	183	188	214	196	206	207	238	258	208	60	150	160	5-63	40-63
25	32	20/32	HB			180	200					238		259	120	160		5-40	
32	32	20/32	HB			202	205					238		279	120	194		5-40	
25	40	25/40		190	219	196	216	229	249	219	240	246	266	259	120	160	175	5-63	24-63
32	40	25/40	HB			202	205					246	266	279	120	194		5-40	24-40
32	50	32/50		214	229	219	228			241	253	278		279	120	194		5-40	
40	40	25/40				228	283					247		324	120	227		5-40	

Table 31: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

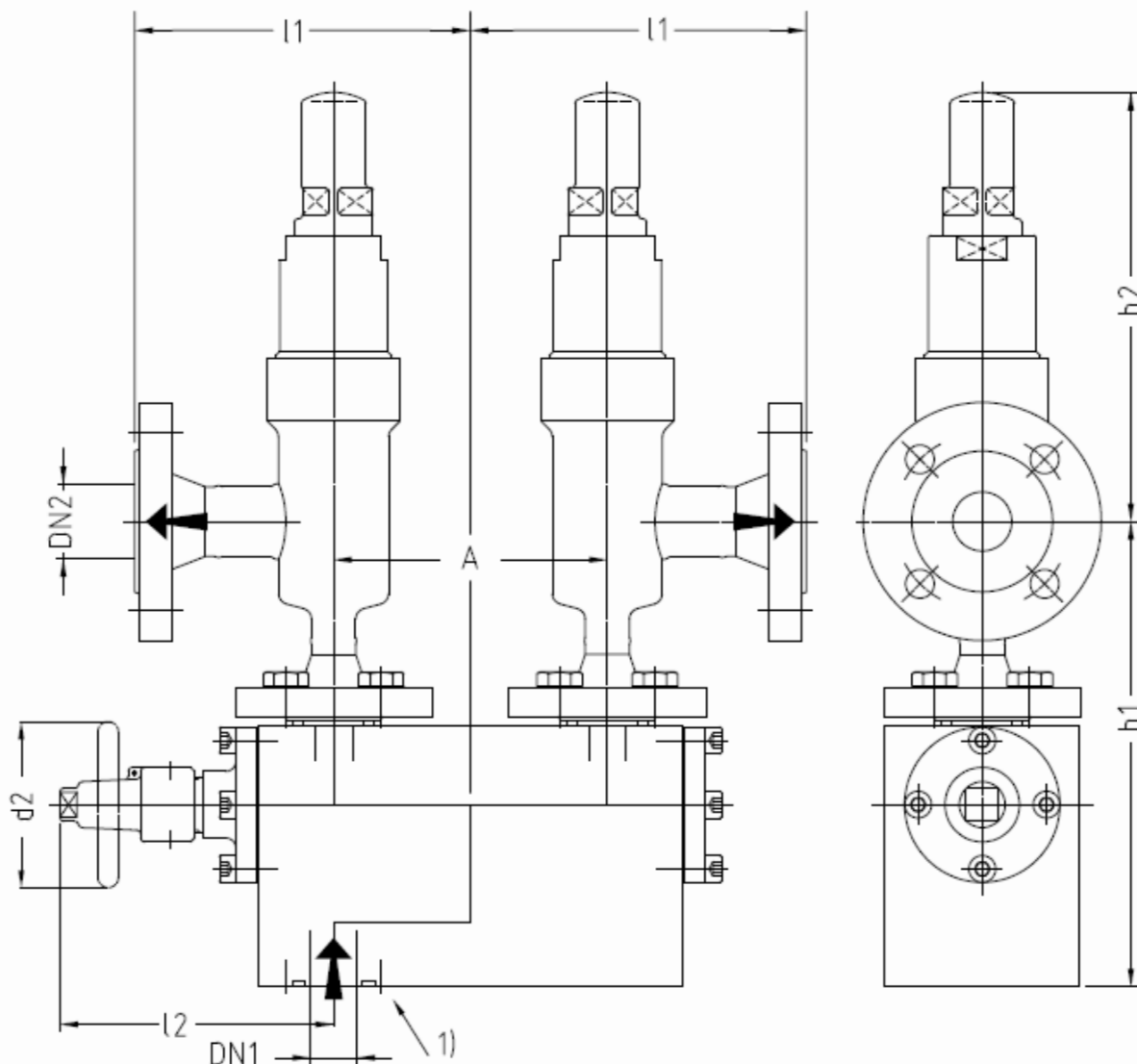
Type*: HB = installation lengths according to EN-standard, A*: for PN63

DIN-flange DIN/EN flange facings with DIN 2512 tongue/groove as standard

35 WVR AL-SVUA P FL Herl T24.1V / WVR AL-SVUB P FL Herl T24.1V

AL: WVR body made of aluminium **A:** PTFE seat seal, **B:** elastomer seat seal, **P:** high-performance, **FL:** Flanged ends

WVR AL-SVU P steel change-over safety valve combination - back-pressure independent for natural refrigerants (NH₃, CO₂) and non-corrosive gases according to EN 378-1



Pressure/temperature operating limits:

PS: Max. allowable operating pressure in bar

TS: Permissible operating temperature in °C corresponding to the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:			Flanged ends acc. to:								Response pressure range	
	Base valve		Type*	Type SV	Type WVR	PN25/40 DIN 2635 EN1092-1						
DN1	DN2	Base	Type			l1	h1	h2	l2	d2	A	bar
15	25	15/2 5	HB	T23V	T25V	157.5	244	207	133	60	125	5–40
20	25	15/2 5	HB	T23V	T25V	157.5	244	207	133	60	125	5–40
25	32	20/3 2	HB	T23V	T25V	166.5	259	238	178	120	133	5–40

Nominal size:				Flanged ends acc. to:						Response pressure range		
32	32	20/3 2	HB	T23V	T25V	186.5	284	238	183	120	173	5–40
32	40	25/4 0	HB	T23V	T25V	191.5	284	246	183	120	173	5–40
40	40	25/4 0	HB	T23V	T25V	201.5	314	246	210	140	193	5–40
40	50	32/5 0	HB	T23V	T25V	211.5	314	278	210	140	193	5–40
50	50	32/5 0	HB	T23V	T25V	211.5	354	278	216	140	193	5–40
50	65	40/6 5	HB	T23V	T25V	221.5	354	281	216	140	193	5–40

Table 32: Dimensions

DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

Type*: HB = installation lengths according to EN-standard

DIN/EN flange facings with DIN 2512 tongue/groove as standard

36 Legal notices

- GEA AWP valves must be handled in accordance with the GEA AWP operating regulations.
- The safety instructions mentioned in the operating regulations must be observed.
- A hazard analysis is available for GEA AWP valves.
- GEA AWP valves must only be handled by authorised persons.
- The instructions for the use of personal protective equipment (PPE) must be observed.
- GEA AWP valves must be used for their intended purpose.
- This catalogue has been carefully created and checked; however, it may still contain errors. The technical specifications given in the catalogue are not contractually guaranteed properties. Technical specifications are only binding if they have been confirmed by us in writing.
- We reserve the right to make technical changes.
- Further information on our declarations of conformity, operating regulations, calculation software and the general terms and conditions can be found on our website www.awpvalves.com under the Tools/Downloads tab.
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