

DUAL SAFETY VALVES FOR HEATING TECHNOLOGIES

WVR-SVA, WVR-SVU

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1 WVR-SV

HT: Temperature up to +200°C

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

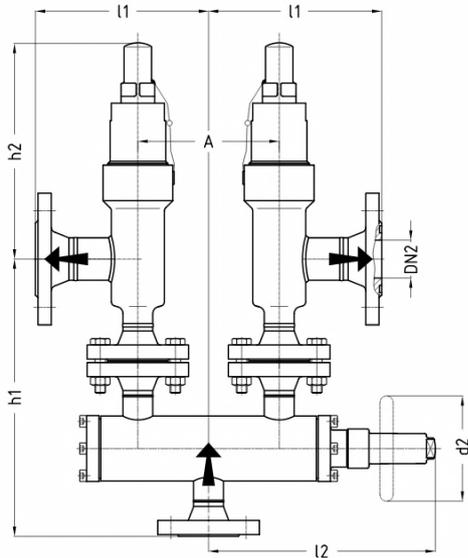
WVR-SVU P	Connection	Form	Material	Valve type
WVR-SVU P PS25 / PS40 / PS63	Flanged ends		St	WVR-SVUA P FL
			NIRO	WVR-SVUA P FL NIRO
			St	WVR-SVUA P BS FL
			NIRO	WVR-SVUA P BS FL NIRO
	Screwed ends		St	WVR-SVUA P SE
			NIRO	WVR-SVUA P SE NIRO
			St	WVR-SVUA P BS SE
			NIRO	WVR-SVUA P BS SE NIRO

St = steel SS = stainless steel

2 WVR-SVAA FL HT

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

WVR-SVA 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. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:		Flanged ends acc. to:														Re- response pressure range			
DN1	DN2	Base	Type	AWP	PN25/4	PN63	ANSI											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	15 6	30 0	18 7	32 1	172	330	207		193	60	120	145	5-63	
15	25	15/25	HB			15 5	29 9					207		193	60	120		5-40	
20	25	15/25	HB			17 0	32 3					207		208	60	150		5-40	
25	25	15/25	HB K			16 0	29 2					207		259	120	160		5-40	

Nominal size:				Flanged ends acc. to:								Re- response pressure range							
25	25	15/25	HB J			18 0	30 2					207		259	120	160		5-40	
20	32	20/32		185	311	18 3	33 6	20 6	36 0	198	373	238	258	208	60	150	160	5-63	40 -6 3
25	32	20/32	HB			18 0	30 2					238		259	120	160		5-40	
32	32	20/32	HB			19 5	31 1					238		259	120	180		5-40	
25	40	25/40		190	330	19 6	31 8	22 1	37 2	213	365	246	266	259	120	160	175	5-63	24 -6 3
32	40	25/40	HB			19 5	31 1					246	266	259	120	180		5-40	24 -4 0
40	40	25/40	HB			22 2	33 1					246	266	312	140	214		5-40	24 -4 0
32	50	32/50		213	344	21 8	33 8			234	384	278		259	120	180		5-40	
40	50	32/50	HB			22 2	33 1					278		312	140	214		5-40	
50	50	32/50	HB			23 9	35 5					278		319	140	228		5-40	
40	65	40/65		256	333	25 4	35 2			272	403	281		312	140	214		5-40	
50	65	40/65	HB			23 9	35 5					281		319	140	228		5-40	
65	65	40/65	HB			28 3	40 9					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

3 WVR-SVAA FL NIRO HT

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

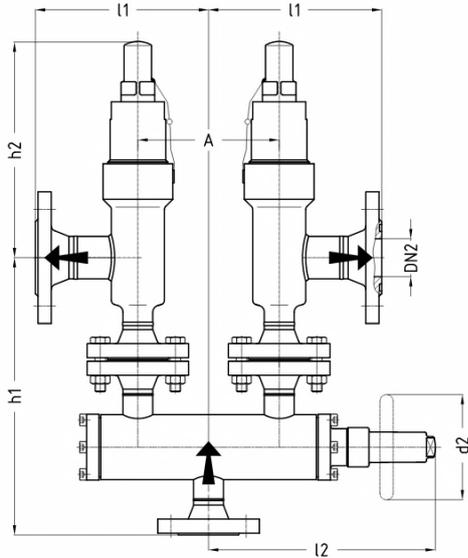
WVR-SVA stainless steel change-over safety valve combination - back-pressure dependent for natural gases and liquids (e.g. NH₃, CO₂) and non-corrosive media according to EN 378-1

Pressure / temperature operating limits:

PS: Max. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with the permissible operating pressures (PS)

PN: Nominal pressure rating



Nominal size:		Flanged ends acc. to:										Response pressure range							
Base valve	Typ e*	AWP		PN25/4		PN63		ANSI				h2*)							
		DN10-20	0	DIN	2636	EN1092	-1							for					
DN1	DN2	Base	Typ e	l1	h1	l1	h1	l1	h1	l1	h1	h2	h2*)	l2	d2	A	A*	bar	bar
15	25	15/2 5		160	281	15 6	30 0	18 7	32 1	17 2	33 0	207		193	60	120	145	5-63	
15	25	15/2 5	HB			15 5	29 9					207		193	60	120		5-40	
20	25	15/2 5	HB			17 0	32 3					207		208	60	150		5-40	
25	25	15/2 5	HBK			16 0	29 2					207		259	120	160		5-40	
25	25	15/2 5	HBJ			18 0	30 2					207		259	120	160		5-40	

Nominal size:				Flanged ends acc. to:								Response pressure range							
20	32	20/3 2		185	311	18 3	33 6	20 6	36 0	19 8	37 3	238	258	208	60	150	160	5-63	40-6 3
25	32	20/3 2	HB			18 0	30 2					238		259	120	160		5-40	
32	32	20/3 2	HB			19 5	31 1					238		259	120	180		5-40	
25	40	25/4 0		190	330	19 6	31 8	22 1	37 2	21 3	36 5	246	266	259	120	160	175	5-63	24-6 3
32	40	25/4 0	HB			19 5	31 1					246	266	259	120	180		5-40	24-4 0
40	40	25/4 0	HB			22 2	33 1					246	266	312	140	214		5-40	24-4 0
32	50	32/5 0		213	344	21 8	33 8			23 4	38 4	278		259	120	180		5-40	
40	50	32/5 0	HB			22 2	33 1					278		312	140	214		5-40	
50	50	32/5 0	HB			23 9	35 5					278		319	140	228		5-40	
40	65	40/6 5		256	333	25 4	35 2			27 2	40 3	281		312	140	214		5-40	
50	65	40/6 5	HB			23 9	35 5					281		319	140	228		5-40	
65	65	40/6 5	HB			28 3	40 9					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

4 WVR-SVAA BS FL HT

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

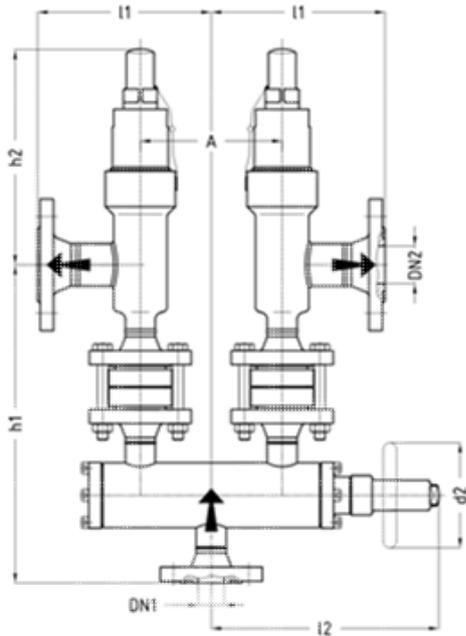
WVR-SVA BS steel change-over safety valve combination with bursting discs - back-pressure dependent for natural gases and liquids (e.g. NH₃, CO₂) and non-corrosive media according to EN 378-1

Pressure / temperature operating limits:

PS: Max. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with the permissible operating pressures (PS)

PN: Nominal pressure rating



Nominal size:			Flanged ends acc. to:						Response pressure range						
DN*	Base valve	Type*	AWP		PN25/40		ANSI								
			DN10-20		DIN 2635		300 RF								h2*)
			PN25		EN1092-1										for
			DN25-80												
			PN40												
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

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

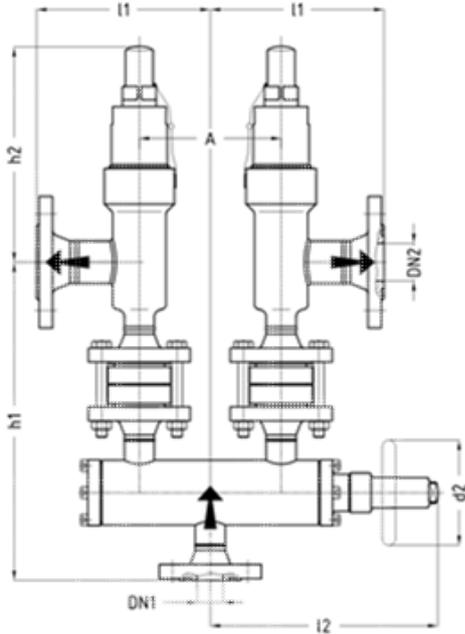
Table 3: Dimensions

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

5 WVR-SVAA BS FL NIRO HT

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 gases and liquids (e.g. NH₃, CO₂) and non-corrosive media according to EN 378-1



Pressure / temperature operating limits:

PS: Max. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with 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		PN25/40		ANSI								
			DN10-20		DIN 2635		300 RF								
			PN25		EN1092-1										
			DN25-80												
			PN40												
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

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

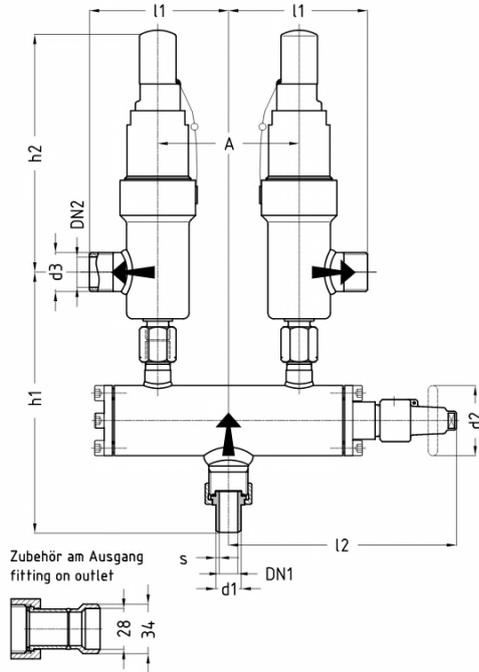
Table 4: Dimensions

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

6 WVR-SVAA SE HT

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

WVR-SVA 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. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with the permissible operating pressures (PS)

PN: Nominal pressure rating

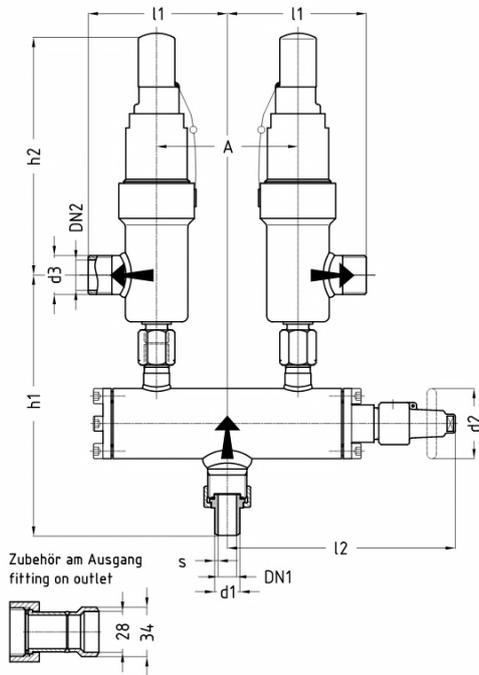
Nominal size:			Welding ends acc. to:				Screwed ends acc. to:						Response pressure range	
DN*		Base valve	ISO Series 1		ANSI Sched40									
DN1	DN2	Base	d1	s	d1	s	d3	l1	h1	h2	l2	d2	A	bar
15	25	15/25	21.3	2.0	21.3	2.8	G1	118	223	207	193	60	120	5-63

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

7 WVR-SVAA SE NIRO HT

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

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



Pressure / temperature operating limits:

PS: Max. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with 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

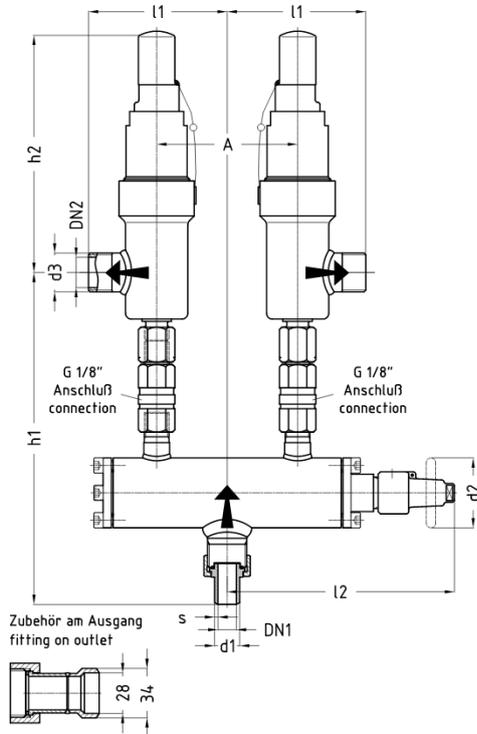
Table 5: Dimensions

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

8 WVR-SVAA BS SE HT

O: PTFE seat seal, **BS:** bursting discs, **SE:** screwed ends, **HT:** temperature up to +200°C

WVR-SVA BS steel change-over safety valve combination with bursting discs - 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. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with 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

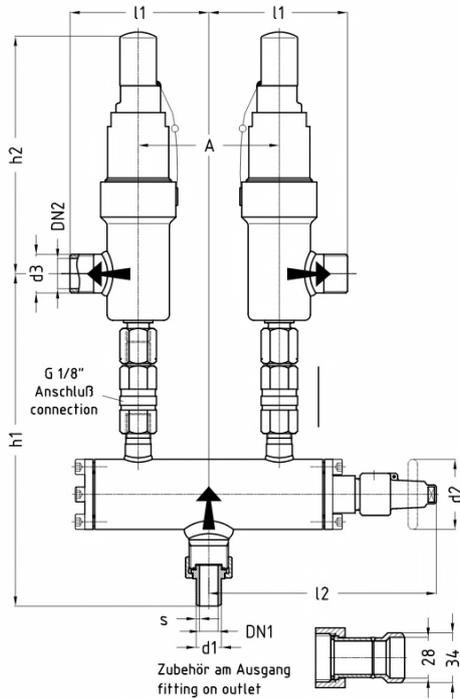
Table 6: Dimensions

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

9 WVR-SVAA BS SE NIRO HT

O: PTFE seat seal, **BS:** bursting discs, **SE:** screwed 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 gases and liquids (e.g. NH₃, CO₂) and non-corrosive media according to EN 378-1



Pressure / temperature operating limits:

PS: Max. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with 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

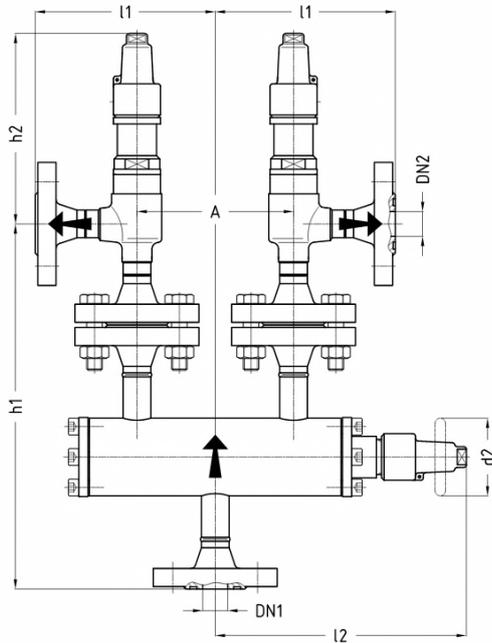
Table 7: Dimensions

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

10 WVR-SVUA FL HT

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

WVR-SVU 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. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:		Flanged ends acc. to														Response pressure range		
DN*	Base valve	Type*	AWP		PN25/40		PN63		ANSI								h2*)	
			DN10-20		DIN 2635		DIN 2636		300 RF								for	
			DN25-80		EN1092-1		EN1092-1											
			PN40															
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

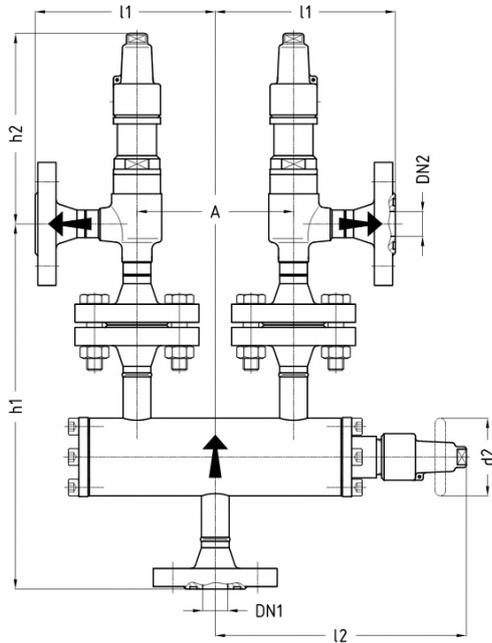
Table 8: Dimensions

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

11 WVR-SVUA FL NIRO HT

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. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:		Flanged ends acc. to:														Response pressure range		
DN*	Base valve	Type*	AWP		PN25/40		PN63		ANSI								h2*)	
			DN10-20		DIN 2635		DIN 2636		300 RF								for	
			PN25		EN1092-1		EN1092-1											
			DN25-80															
			PN40															
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

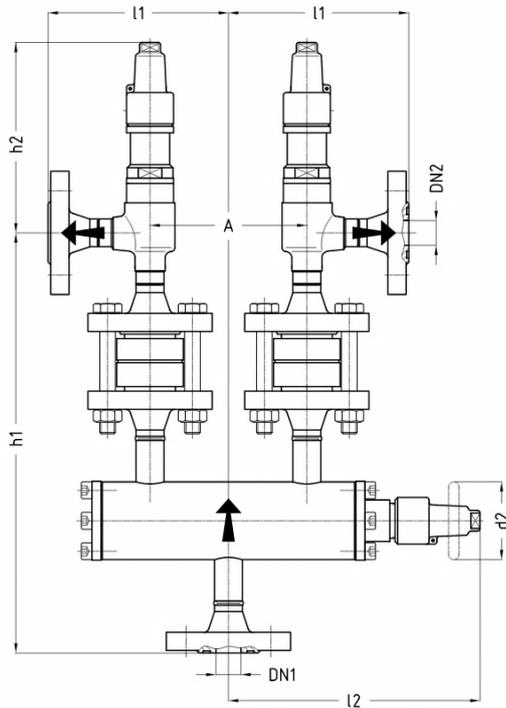
Table 9: Dimensions

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

12 WVR-SVUA BS FL HT

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 gases and liquids (e.g. NH₃, CO₂) and non-corrosive media according to EN 378-1



Pressure / temperature operating limits:

PS: Max. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:		Flanged ends acc. to:										Response pressure range			
DN*	Base valve	Type*	AWP		PN25/40		ANSI						h2*) for		
			DN10-20		DIN 2635		300 RF								
			PN25		EN1092-1										
			DN25-80												
			PN40												
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

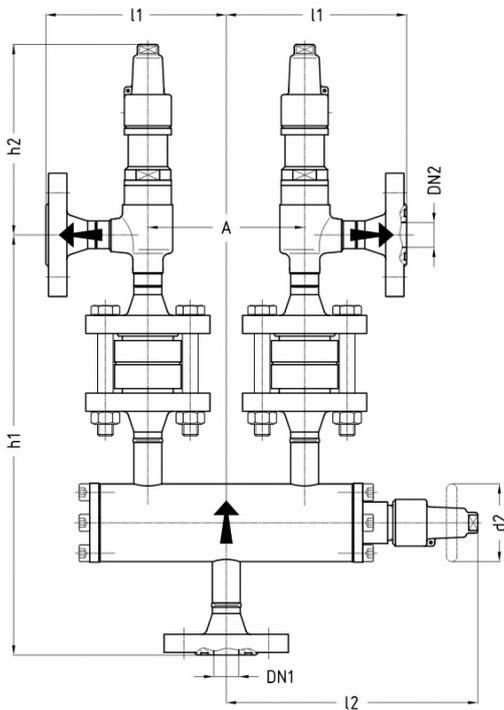
DN*: Flange connection variants consisting of base valve. Discharge capacity and component mark as base valve.

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

13 WVR-SVUA BS FL NIRO HT

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 gases and liquids (e.g. NH₃, CO₂) and non-corrosive media according to EN 378-1



Pressure / temperature operating limits:

PS: Max. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with 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		PN25/40		ANSI								
			DN10-20		DIN 2635		300 RF								
			PN25		EN1092-1										
			DN25-80												
			PN40												
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

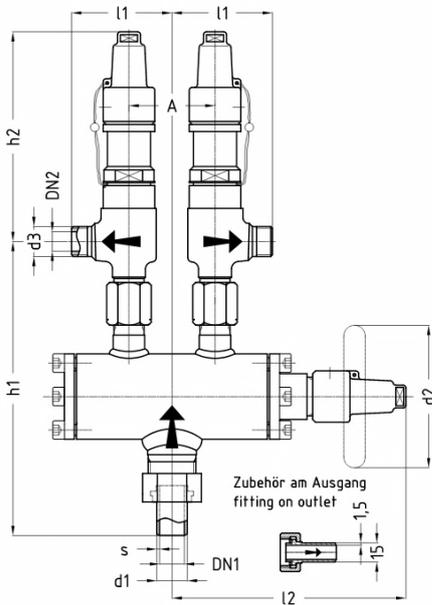
Table 11: Dimensions

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

14 WVR-SVUA SE HT

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

WVR-SVU 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. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with 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

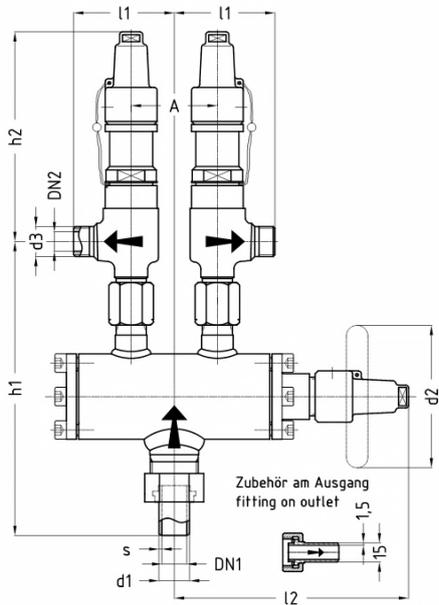
Table 12: Dimensions

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

15 WVR-SVUA SE NIRO HT

O: PTFE seat seal, **SE:** Screwed 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. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with 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

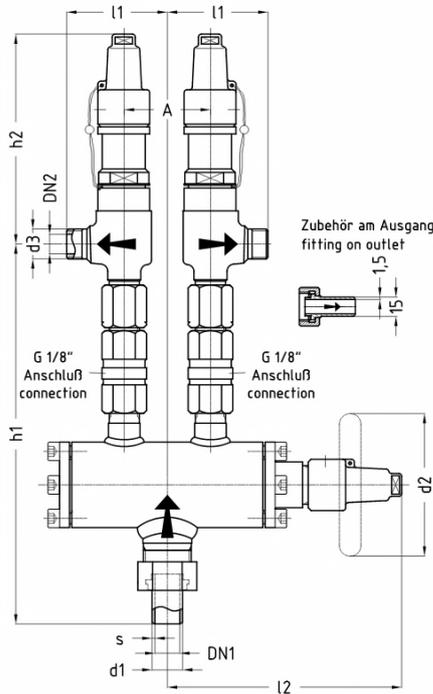
Table 13: Dimensions

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

16 WVR-SVUA BS SE HT

O: PTFE seat seal, **BS:** bursting discs, **SE:** screwed ends, **HT:** temperature up to +200°C

WVR-SVU BS steel change-over safety valve combination with bursting discs - 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. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with 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	15	15/15	21.3	2.0	21.3	2.8	G1/2	70	268	148	175	163	60	60	4-63	28-63

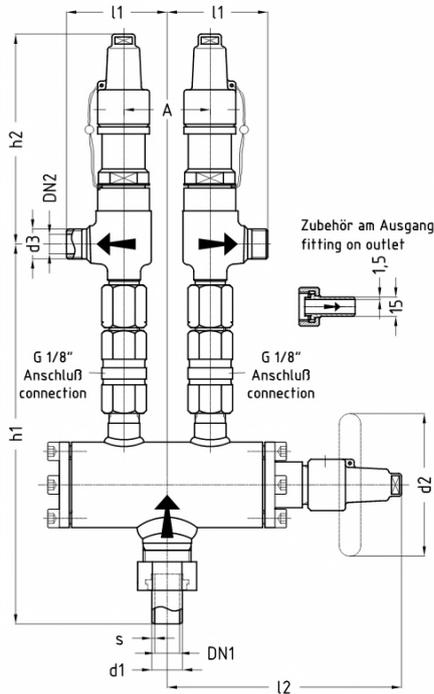
Table 14: Dimensions

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

17 WVR-SVUA BS SE NIRO HT

O: PTFE seat seal, **BS:** bursting discs, **SE:** screwed 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 gases and liquids (e.g. NH₃, CO₂) and non-corrosive media according to EN 378-1



Pressure / temperature operating limits:

PS: Max. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with 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	25	15/15	21.3	2.0	21.3	2.8	G1	70	288	148	175	163	60	60	4-63	28-63

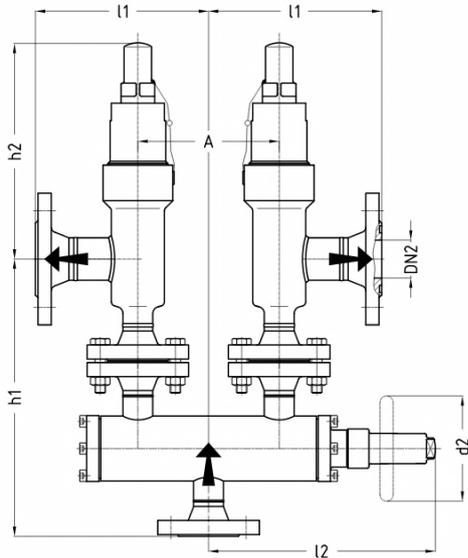
Table 15: Dimensions

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

18 WVR-SVUA P FL HT

O: PTFE seat seal, **P:** high-performance, **FL:** flanged ends, **HT:** Temperature up to +200°C

WVR-SVU P 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. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:		Flanged ends acc. to:											Response pressure range						
DN1	DN2	Base valve	Type*	AWP		PN25/40 DIN		PN63 DIN		ANSI 300 RF		h2	h2*)	l2	d2	A	A*	bar	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	

Nominal size:			Flanged ends acc. to:										Response pressure range						
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	
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	

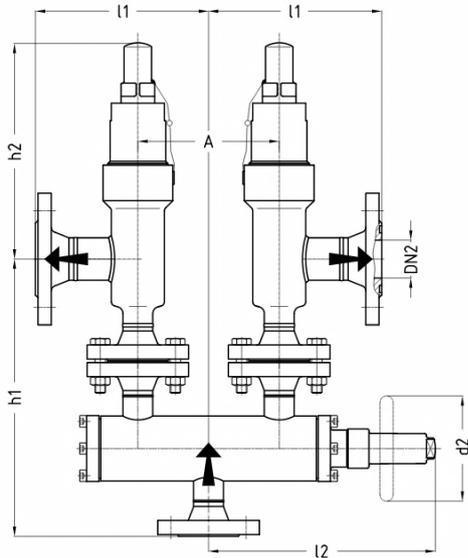
Table 16: Dimensions

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

19 WVR-SVUA P FL NIRO HT

O: PTFE seat seal, **P:** high-performance, **FL:** flanged ends, **HT:** Temperature up to +200°C

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. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:			Flanged ends acc. to:											Response pressure range					
DN1	DN2	Base	Type*	AWP		PN25/4		PN63		ANSI						h2*) for			
				DN10-20	h1	0	h1	DIN	h1	300 RF	h1	h2	h2*)	l2	d2	A	A*	bar	bar
15	25	15/2 5		160	281	156	300	187	321	172	330	207		193	60	120	145	5-63	
15	25	15/2 5	HB			155	299					207		193	60	120		5-40	
20	25	15/2 5	HB			170	323					207		208	60	150		5-40	
25	25	15/2 5	HBK			160	292					207		259	120	160		5-40	
25	25	15/2 5	HBJ			180	302					207		259	120	160		5-40	

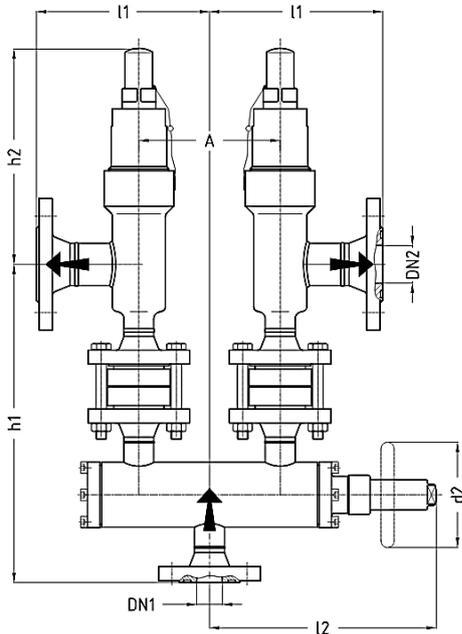
Nominal size:			Flanged ends acc. to:									Response pressure range							
20	32	20/32		185	311	183	336	206	360	198	373	238	258	208	60	150	160	5-63	40-63
25	32	20/32	HB			180	302					238		259	120	160		5-40	
32	32	20/32	HB			195	311					238		259	120	180		5-40	
25	40	25/40		190	330	196	318	221	372	213	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	
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

20 WVR-SVUA P BS FL HT

O: PTFE seat seal, **P:** high-performance, **BS:** bursting discs, **FL:** Flanged ends, **HT:** Temperature up to +200°C
WVR-SVU P BS steel change-over safety valve combination with bursting discs - 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. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:			Flanged ends acc. to:						Response pressure range						
DN*	Base valve	Type*	AWP		PN25/40		ANSI						h2*) for		
			DN10-20		DIN 2635		300 RF								
			PN25		EN1092-1										
			DN25-80												
			PN40												
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

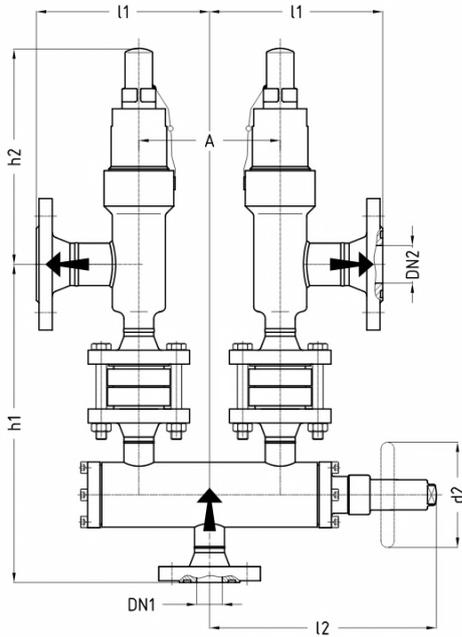
Nominal size:			Flanged ends acc. to:										Response pressure range		
40/40	25/40	HB			222	377			246	266	312	140	214	5-40	24-40
32/50	32/50		213	390	218	384	234	430	278		259	120	180	5-40	
40/50	32/50	HB			222	377			278		312	140	214	5-40	
50/50	32/50	HB			239	401			278		319	140	228	5-40	
40/65	40/65		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	
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

21 WVR-SVUA P BS FL NIRO HT

O: PTFE seat seal, **P:** high-performance, **BS:** bursting discs, **FL:** Flanged ends, **HT:** Temperature up to +200°C
WVR-SVU P BS stainless steel change-over safety valve combination with bursting discs - 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. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with the permissible operating pressures (PS)

PN: Nominal pressure rating

Nominal size:			Flanged ends acc. to:						Response pressure range						
DN*	Base valve	Type*	AWP		PN25/40		ANSI						h2*) for		
			DN10-20		DIN 2635		300 RF								
			PN25		EN1092-1										
			DN25-80												
			PN40												
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

Nominal size:			Flanged ends acc. to:										Response pressure range		
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	
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	

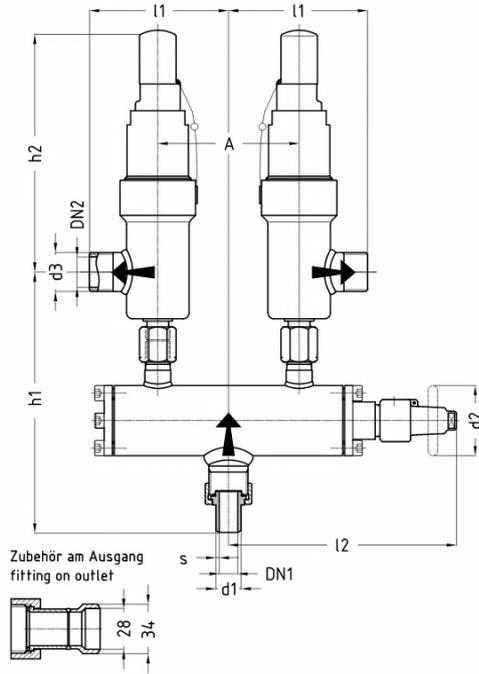
Table 19: Dimensions

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

22 WVR-SVUA P SE HT

O: PTFE seat seal, **P:** high-performance, **SE:** Screwed ends, **HT:** Temperature up to +200°C

WVR-SVU P 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. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with 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

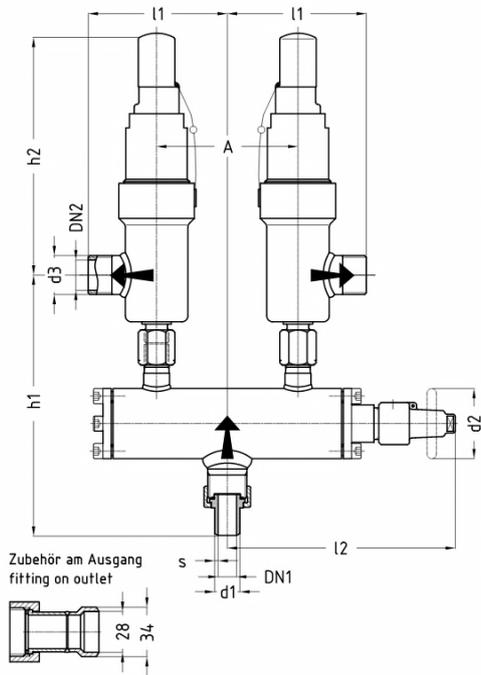
Table 20: Dimensions

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

23 WVR-SVUA P SE NIRO HT

O: PTFE seat seal, **P:** high-performance, **SE:** Screwed ends, **HT:** Temperature up to +200°C

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. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with the permissible operating pressures (PS)

PN: Nominal pressure rating

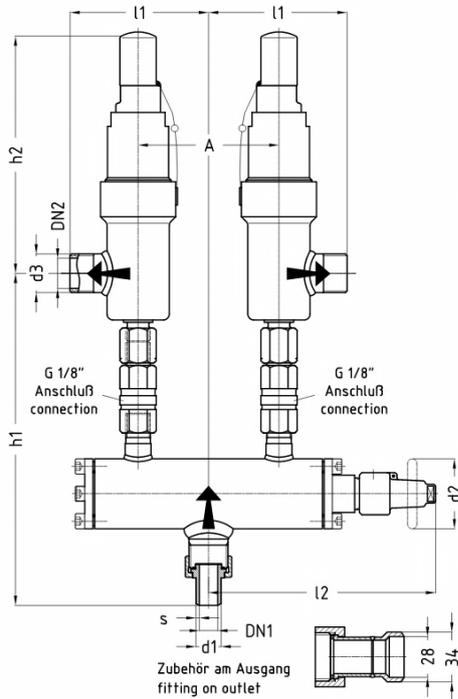
Nominal size:		Welding ends acc. to:		Screwed ends acc. to:						Response pressure range				
DN*		Base valve		ISO Series 1		ANSI Sched40								
DN1	DN2	Base	d1	s	d1	s	d3	l1	h1	h2	l2	d2	A	bar
15	25	15/25	21.3	2.0	21.3	2.8	G1	118	223	207	193	60	120	5-63

Table 21: Dimensions

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

24 WVR-SVUA P BS SE HT

O: PTFE seat seal, **P:** high-performance, **BS:** bursting discs, **SE:** Screwed ends, **HT:** Temperature up to +200°C
WVR-SVU P BS steel change-over safety valve combination with bursting discs - 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. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with the permissible operating pressures (PS)

PN: Nominal pressure rating

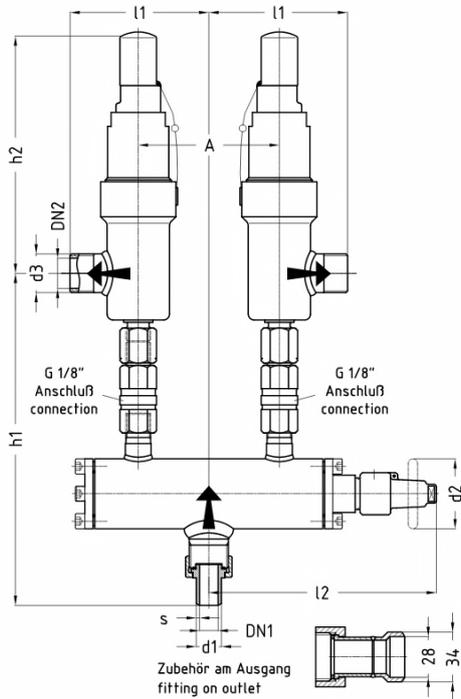
Nominal size:			Welding ends acc. to:				Screwed ends acc. to:						Response pressure range	
DN*		Base valve	ISO Series 1		ANSI Sched40									
DN1	DN2	Base	d1	s	d1	s	d3	l1	h1	h2	l2	d2	A	bar
15	25	15/25	21.3	2.0	21.3	2.8	G1	118	285	207	193	60	120	5-63

Table 22: Dimensions

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

25 WVR-SVUA P BS SE NIRO HT

O: PTFE seat seal, **P:** high-performance, **BS:** bursting discs, **SE:** Screwed ends, **HT:** Temperature up to +200°C
WVR-SVU P BS stainless steel change-over safety valve combination with bursting discs - 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. permissible operating pressure in bar

TS: Permissible operating temperature in °C associated with 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.

26 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.
- Our general terms and conditions apply.

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