

Type 444 DIN

Type 444 DIN
Packed lever H4
Closed bonnet
Conventional design

Flanged Safety Relief Valves
– spring loaded

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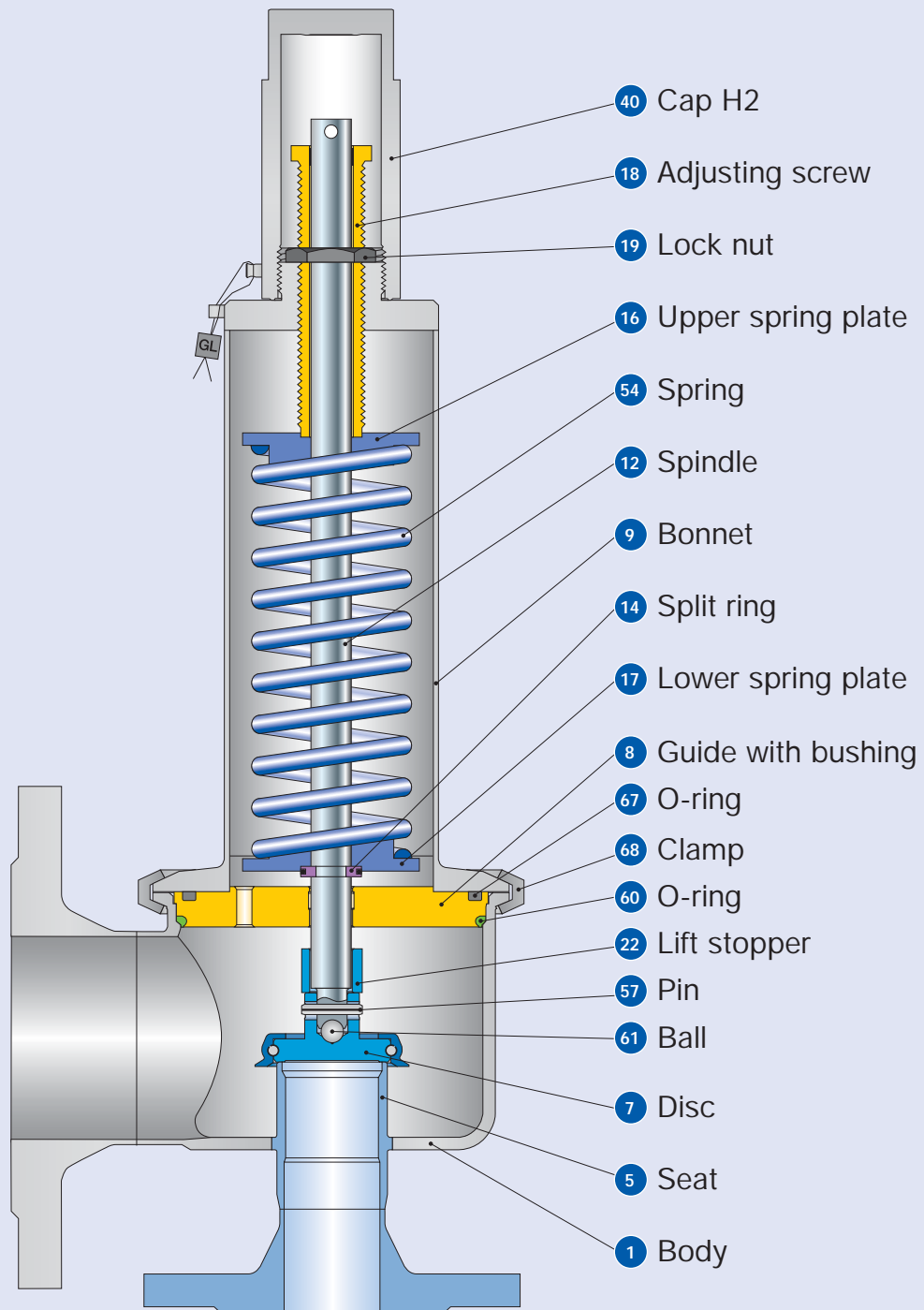
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of discharge K_{dr}/α_w

Conventional design



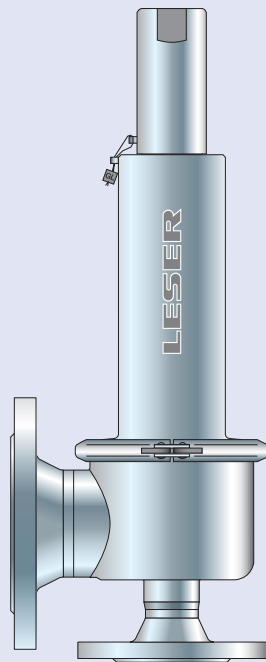
Conventional design

Materials		
Item	Component	Type 4444 DIN
1	Body	1.4404
		316L
5	Seat	1.4404
		316L
7	Disc	1.4404
		316L
8	Guide with bushing	1.4404
		316L
		PTFE +15% Glas --
9	Bonnet	1.4404
		316L
12	Spindle	1.4404
		316L
14	Split ring	1.4404
		316L
16 / 17	Spring plate	1.4404
		316L
18	Adjusting screw with bushing	1.4404, PTFE + 15% Glas
		316L, PTFE + 15% Glas
19	Lock nut	1.4404
		316L
22	Lift stopper	1.4404
		316L
40	Cap H2	1.4404
		316L
54	Spring	1.4310
		Stainless steel
57	Pin	1.4310
		302
60	O-ring	EPDM-FDA
		--
61	Ball	1.4401
		316
67	O-ring	EPDM-FDA
		--
68	Clamp	1.4401
		316

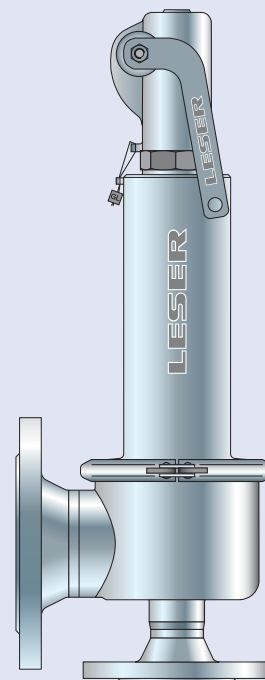
Please notice:

- Modifications reserved by LESER.
- LESER can upgrade materials without notice.
- Every part can be replaced by other material acc. to customer specification.

How to order – Article numbers



Type 444
Cap H2
Closed bonnet
Conventional design



Type 444
Packed lever H4
Closed bonnet
Conventional design

Article numbers

DN _i	25	25	50	65	80	80
DN _o	50	80	80	100	100	100
Actual Orifice diameter d ₀ [mm]	23	37	46	60	74	74
Actual Orifice area A ₀ [mm ²]	416	1075	1662	2827	4301	4301
Set pressure range S/G/L [bar _g]	see page 04/08				0,1 – 6,8	6,81 – 16
Set pressure range S/G/L [psig]	see page 04/08				1,5 – 98,6	98,61 – 232

Body material: 1.4404 (316L)

Bonnet closed	H2	Art.-No. 4444.	3642	3662	3672	3682	3692	3702
	H4	Art.-No. 4444.	3644	3664	3674	3684	3694	3704

Dimensions and weights

Metric Units

DN _i	25	40	50	65	80	80
DN _o	50	80	80	100	100	100
Actual Orifice diameter d ₀ [mm]	23	37	46	60	74	74
Actual Orifice area A ₀ [mm ²]	416	1075	1662	2827	4301	4301
Set pressure range S/G/L [bar _g]	see page 04/08				0,1 – 6,8	6,81 – 16

Weight [kg]	7	13	14	23	24	24
Center to face [mm]	Inlet a	85	110	110	125	125
	Outlet b	90	128	128	160	160
Height (H4) [mm] Standard H max.	308	519	519	631	631	631

Body material: 1.4404 (316L)

DIN Flange	Inlet	PN 16
	Outlet	PN 16

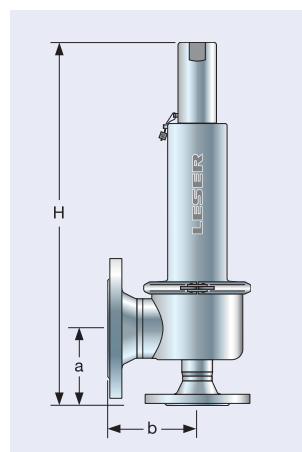
US Units

DN _i	25	40	50	65	80	80
DN _o	50	80	80	100	100	100
Actual Orifice diameter d ₀ [inch]	0,91	1,46	1,81	2,36	2,91	2,91
Actual Orifice area A ₀ inch ²	0,644	1,667	2,576	4,383	6,666	6,666
Set pressure range S/G/L [psig]	see page 04/08				1,5 – 98,6	98,61 – 232

Weight [lbs]	16	29	31	51	53	53
Center to face [inch]	Inlet a	3 ³ / ₈	4 ⁵ / ₁₆	4 ⁵ / ₁₆	4 ¹⁵ / ₁₆	4 ¹⁵ / ₁₆
	Outlet b	3 ¹ / ₂	5 ¹ / ₁₆	5 ¹ / ₁₆	6 ⁵ / ₁₆	6 ⁵ / ₁₆
Height (H4) [inch] Standard H max.	12 ¹ / ₈	20 ⁷ / ₁₆	20 ⁷ / ₁₆	20 ¹³ / ₁₆	20 ¹³ / ₁₆	20 ¹³ / ₁₆

Body material: 1.4404 (316L)

DIN Flange	Inlet	PN 16
	Outlet	PN 16



Conventional design

Pressure temperature ratings

Metric Units							
	DN _i	25	40	50	65	80	80
	DN _o	50	80	80	100	100	100
	Actual Orifice diameter d ₀ [mm]	23	37	46	60	74	74
	Actual Orifice area A ₀ [mm ²]	416	1075	1662	2827	4301	4301
Body material: 1.4404 (316L)							
DIN Flange	Inlet	PN 16					
	Outlet	PN 16					
Minimum set pressure	p [bar _g] S/G/L	0,1	0,1	0,1	0,1	0,1	6,81
Maximum set pressure	p [bar _g] S/G/L	16	16	16	16	6,8	16
Temperature acc. to DIN EN	min. [°C]	-45					
	max. [°C]	+200					
Temperature acc. to ASME	min. [°C]	-45					
	max. [°C]	+200					

US Units							
	DN _i	25	40	50	65	80	80
	DN _o	50	80	80	100	100	100
	Actual Orifice diameter d ₀ [inch]	0,91	1,46	1,81	2,36	2,91	2,91
	Actual Orifice area A ₀ [inch ²]	0,644	1,667	2,576	4,383	6,666	6,666
Body material: 1.4404 (316L)							
DIN Flange	Inlet	PN 16					
	Outlet	PN 16					
Minimum set pressure	p [psig] S/G/L	1,5	1,5	1,5	1,5	1,5	98,61
Maximum set pressure	p [psig] S/G/L	232	232	232	232	98,6	232
Temperature acc. to DIN EN	min. [°F]	-49					
	max. [°F]	+392					
Temperature acc. to ASME	min. [°F]	-49					
	max. [°F]	+392					