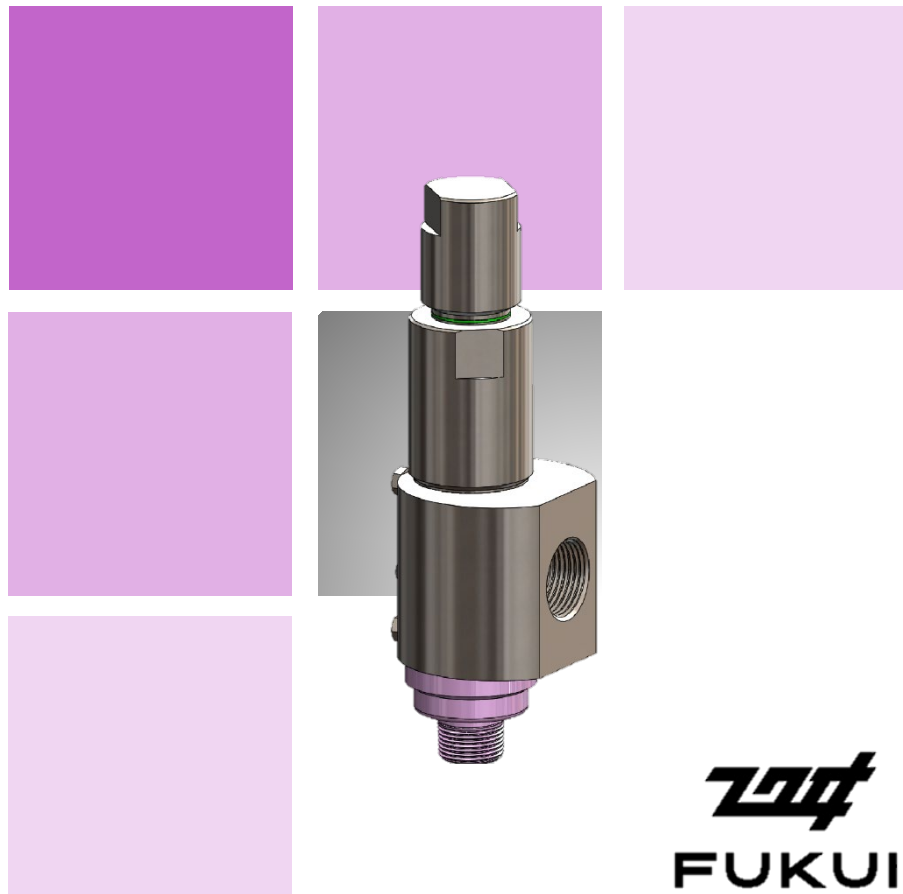




LT3000 Series

Contents

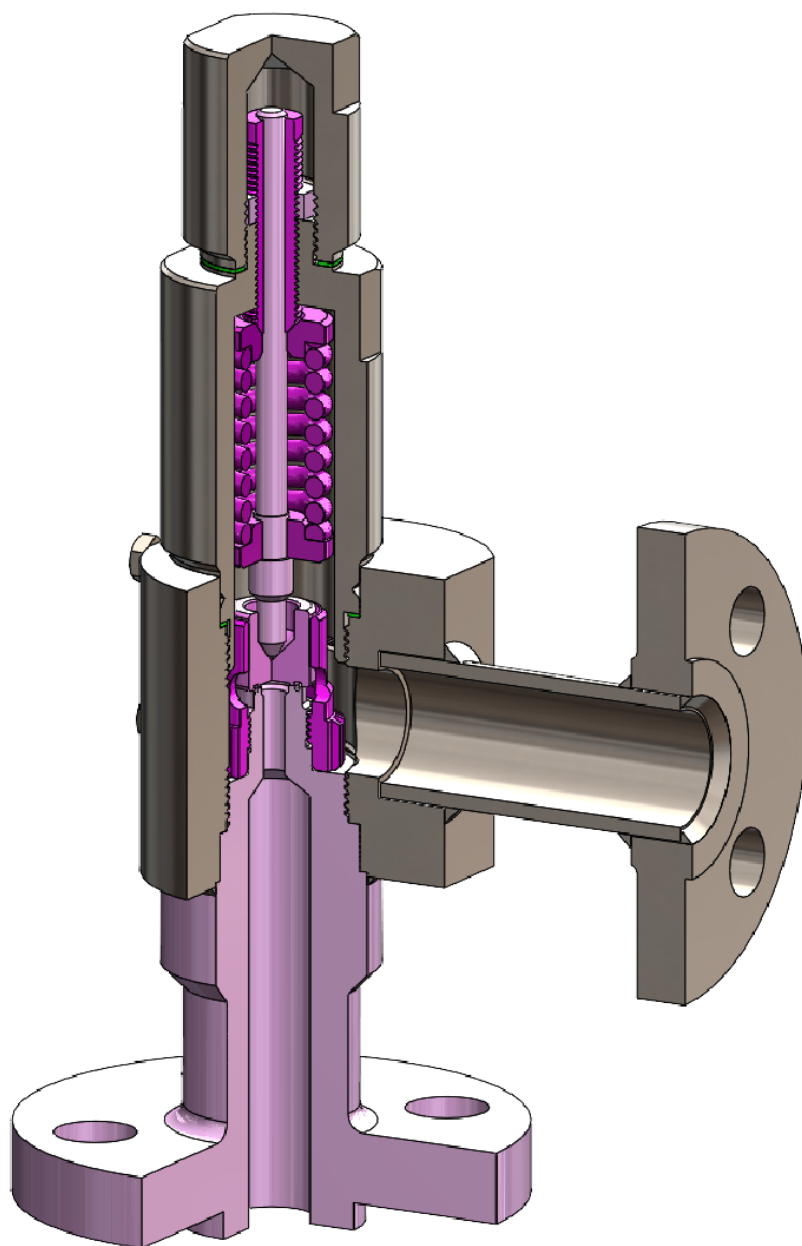
◆ Features	1
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◆ Features

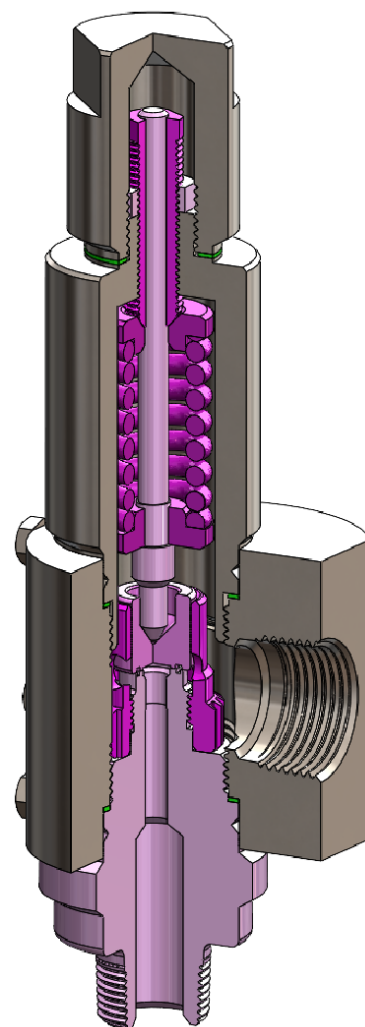
The LT3000 series is a compact pressure relief valve that can be used for both gas and liquid.

◆ Structure

- ◆ Full Nozzle
- ◆ Forged or bar body

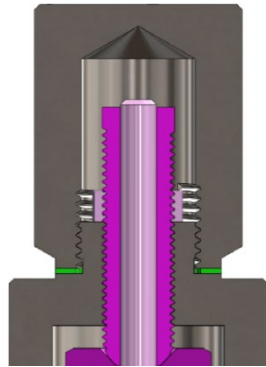


Flange Type

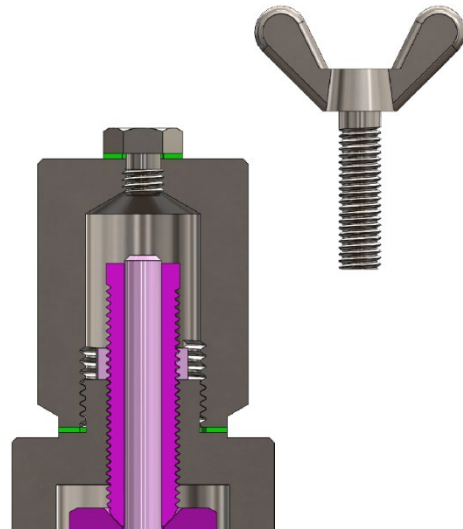


Screwed type

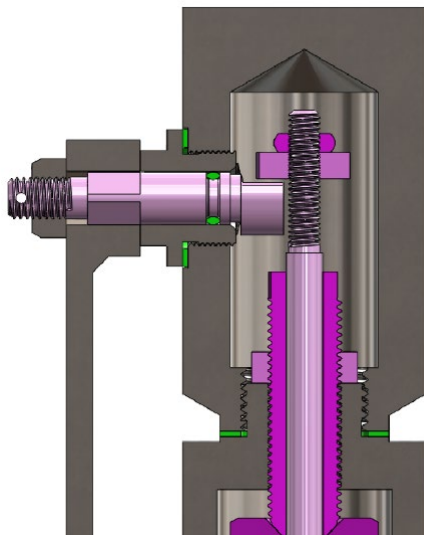
◆ Cap Code



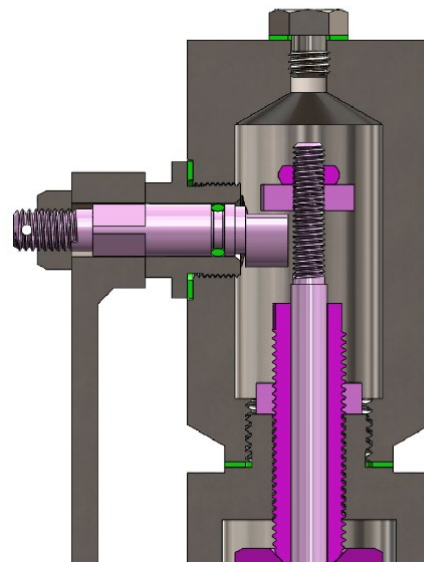
(A) Closed screwed cap



(B) Closed screwed cap + Test Gag



(M) Closed lever type

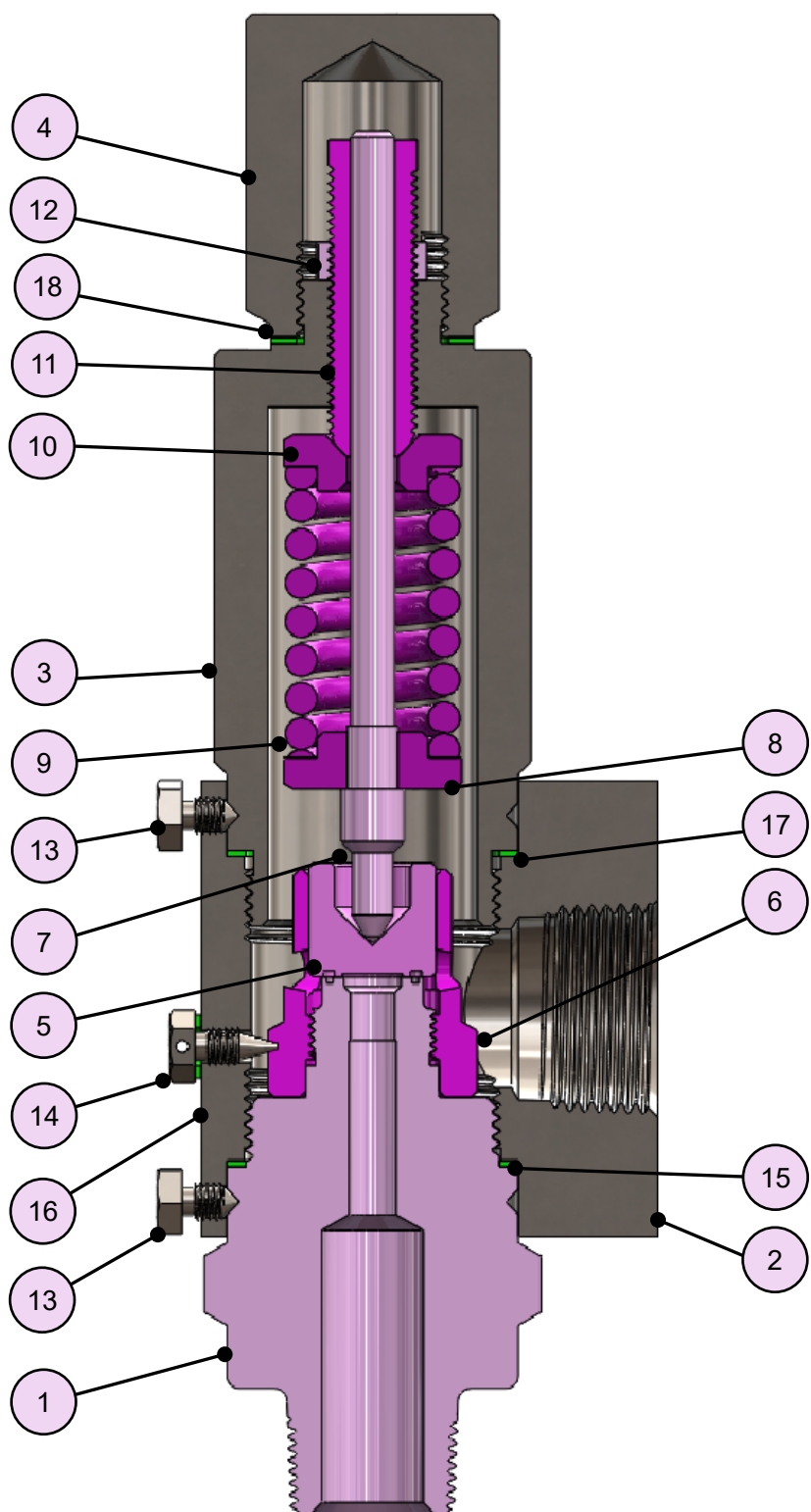


(N) Closed lever type + Test Gag

 Type code

LT3	6	3	1-	3	S	(A)
Cap Code (A) Closed screw cap (B) Closed screw cap + Test Gag (M) Closed lever (N) Closed lever + Test Gag Material Code Blank SA105M S1 SUS316 S3 SUS316L S SUS304 S2 SUS304L M B564-N04400 Connection additional code Connection 1-, 2- 4- 6-, 7-, 8- 3- 1 Class 150 10K F Female thread - 2 - 20K M Male thread - 3 Class 300 30K W - Socket Welding 4 Class 600 40K B - Butt Welding 5 Class 900 63K 0 Others 6 Class 1500 - - - 7 Class 2500 - - - Connection Code 1- ASME Flange 3- Welding 5- Special 2- JPI Flange 4- JIS Flange 6- Pipe threads (R, Rc, G, NPT) Size Code Inlet Throat dia. Outlet Inlet Throat dia. Outlet Inlet Throat dia. Outlet 1 1/2 7 3/4 5 3/4 10 1 7 3/4 13.3 1 2 3/4 6 1 - - - - 8 1 3 1 - - - - - - 9 1 1/2 4 1 - - - - - - 0 Others Temperature Code (determined by discharge temperature) 6 -5°C (23°F) ≤ T < 400(750°F) Type Code LT3						

Cross-sectional View



No	Part Name
1	Nozzle
2	Body
3	Bonnet
4	Cap
5	Disc
6	Guide
7	Spindle
8	Lower spring washer
9	Spring
10	Upper spring washer
11	Adjusting screw
12	Adjusting screw lock nut
13	Lock bolt
14	Guide lock bolt
15	Gasket
16	Gasket
17	Gasket
18	Gasket

◆ Standard material

No.	Material Code	Blank	S	S1
1	nozzle	SUS304		SUS316
2	body	SA105M	SUS304	SUS316
3	bonnet	SA105M	SUS304	SUS316
4	cap	SA105M	SUS304	SUS316
5	disk	SUS304		SUS316
6	guide	SUS304		SUS316
7	Spindle	S US304		SUS316
8	Spring support	S25C	SUS304	SUS316
9	Spring	Spring Steel	SUS304	SUS316
10	Spring retainer	S25C	SUS304	SUS316
11	Adjustment screw	SUS403	SUS304	SUS316
12	Adjusting Screw Lock Nut	SUS304		SUS316
13	Rock bolt	SS400	SUS304	SUS316
14	Set bolt	SS400	SUS304	SUS316
15	gasket	V7020		
16	gasket	V7020		
17	gasket	V7020		
18	gasket	V7020		

No.	Material Code	S2	S3	M
1	Nozzle	SUS304L	SUS316L	B564-N05500
2	Body	SUS304L	SUS316L	B564-N04400
3	Bonnet	SUS304L	SUS316L	B564-N04400
4	Cap	SUS304L	SUS316L	B564-N04400
5	Disc	SUS304L	SUS316L	B564-N05500
6	Guide	SUS304L	SUS316L	B564-N04400
7	Spindle	SUS304L	SUS316L	B564-N04400
8	Spring Washer	SUS304L	SUS316L	B564-N04400
9	Spring	SUS304	SUS316	B637-N07750
10	Spring Washer	SUS304L	SUS316L	B564-N04400
11	Adjusting Screw	SUS304L	SUS316L	B564-N04400
12	Adjusting Screw Lock Nut	SUS304L	SUS316L	B564-N04400
13	Lock bolt	SUS304L	SUS316L	B564-N04400
14	Set bolt	SUS304L	SUS316L	B564-N04400
15	Gasket	V 7020		
16	Gasket	V 7020		
17	Gasket	V 7020		
18	Gasket	V 7020		

* Other material grades are available upon request.

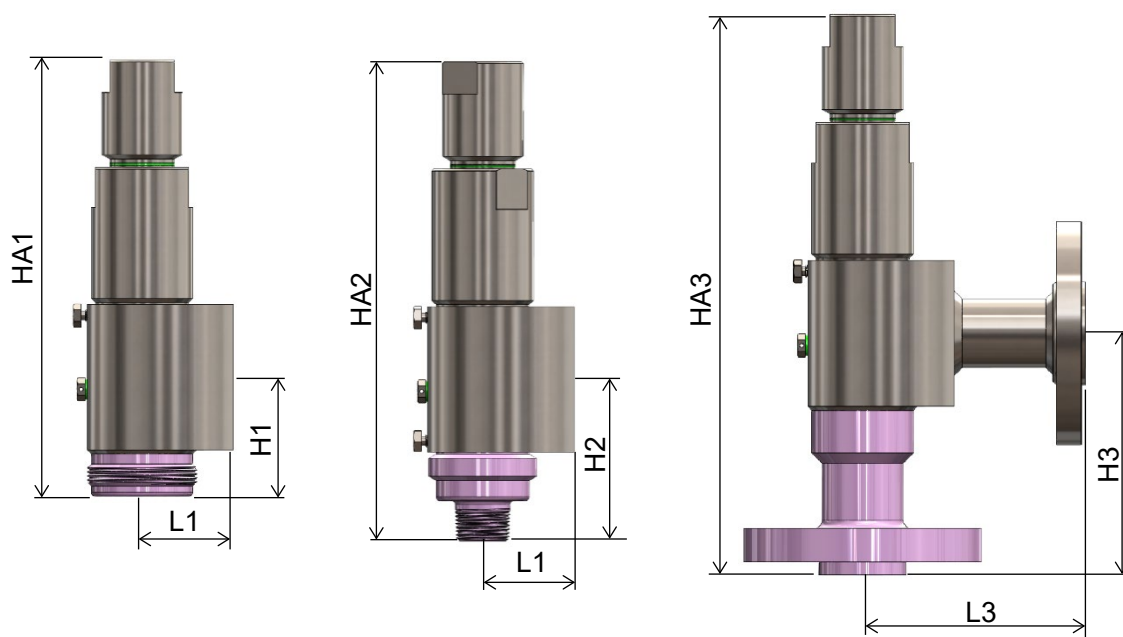
◆ Actual area

Size (throat diameter mm)	Area mm ²	Seat diameter mm	Nominal lift mm
7	38.5	9.5	1.8
10	78.5	13.0	2.5
13.3	138.9	16.0	3.4

◆ Pressure-temperature rating

size	Pressure (MPa)		Temperature (°C)	
	minimum	maximum	minimum	maximum
7	0.345	20.7	-5	400
10				
13.3		10.3		

◆ Dimensions



Dimensions and weight										Unit: mm, kg	
size	Center to face					Approx. Hight			Approx. Weight		
	H1	H2	H3	L1	L3	HA1	HA2	HA3	W1	W2	W3
7	60	80	125	45	95	217	237	282	2.7	3.0	4.5
10	70	90	140	50	125	257	277	327	5.4	5.5	7.5
13.3	80	100	150	57	130	270	290	340	6.8	7.0	9.0



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The product photos and structures are representative examples. Product specifications in the catalog may be changed without notice for product improvement or quality enhancement.