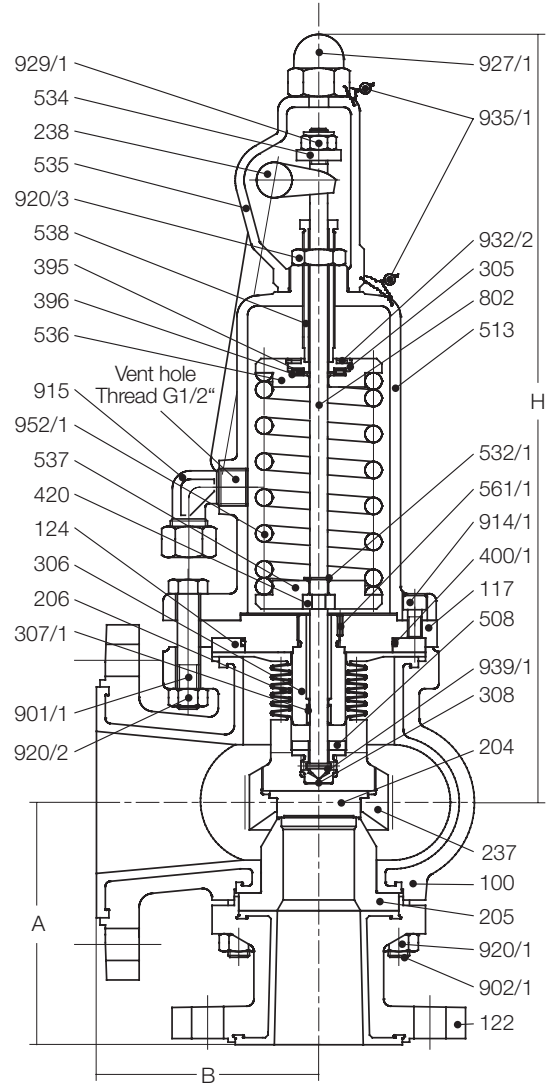


# Materials, Dimensions & Weights

## Components and materials

Item	Designation	Standard design	Available on request
100	Body	Ductile iron SA-395/PTFE	Antistatic PTFE
117	Thrust flange	Carbon steel 420 (1.0460)	Stainless steel 304 (1.4301)
122	Inlet nozzle	Ductile iron SA-395 /PFA (Cl. 150)	Antistatic PFA, carbon steel SA-105/PFA (for Cl. 300)
124	Pressure ring	Stainless steel 304 (1.4301)	
204	Disc (plug)	PTFE-carbon 25 %	Pure TFM-PTFE
205	Nozzle (seat)	PTFE-carbon 25 %	Pure TFM-PTFE, Hast. C, titanium
206	Bellows	Paraflon®	
237	Disc holder (lifting aid)	PTFE-carbon 25 %	
238	Lifting lever	Ductile iron A-395 (0.7043)	
305	Bearing guide	Carbon steel A570 Gr.36 (1.0037)	Hastelloy® C
306	Stem guide	Stainless steel 304 (1.4301)	Hastelloy® C
307/1	Bearing bush	PTFE-carbon 25 %	
308	Insert sleeve	Stainless steel 304 (1.4301)	Hastelloy® C
395	Axial needle roller cage		
396	Axial washer		
400/x	O-Ring	FKM (e.g. Viton®)	
420	Thrust ring, split	Carbon steel A570 Gr.36 (1.0037)	Stainless steel, Hastelloy® C
508	Travel stop*	Stainless steel 304 (1.4301)	Hastelloy® C
513	Spring bonnet	Ductile iron SA-395	
534	Stem nut	Carbon steel A570 Gr.50 (1.0052)	
535	Lifting cap	Ductile iron SA-395	
536	Upper spring plate (washer)	Stainless steel 304 (1.4301)	
537	Lower spring plate (washer)	Stainless steel 304 (1.4301)	
538	Adjusting screw	Stainless steel 304 (1.4301)	Hastelloy® C
539/x	Locking plate, not shown	Stainless steel 304 (1.4301)	
561/1	Grooved pin	Carbon steel	
802	Spindle	Stainless steel 430F (1.4104)	Hastelloy® C
901/x	Hex. screw	Stainless steel SA-193 B8	Chromium-molybdenum B7
902/1	Stud screw	Stainless steel SA-193 B8	Chromium-molybdenum B7
914/1	Hex. socket screw	Stainless steel SA-193 B8	Chromium-molybdenum B7
915	Elbow fitting	Stainless steel A-121 (1.4541)	
920/1+2	Hex. nut	Stainless steel SA-194 8A	Chromium-molybdenum B7
920/3	Hex. nut	Carbon steel A570 Gr.33 (1.0111)	
927/1	Cap nut	Stainless steel 304 (1.4301)	
929/1	Prev. torque type hex. nut	Carbon steel, galvanized	
932/x	Snap ring	Spring steel	
935/1	Lead seal	Plastics	
939/x	Spring type slotted pin	Stainless steel 304 (1.4301)	
952/1	Pressure spring	EN 10270-1-SH, galvanized	
w/o no.	Flange protection caps	PE - plastic, not shown	

\* only valves with lift limitation



### KSEA dimensions and weights

Valve size	A		B		H		Weight	
	inch	mm	inch	mm	inch	mm	lbs	kg
1" / 2"	4.125	104.7	3.937	100	13.98	355	33	15
2" / 3"	5.375	136.5	4.921	125	17.12	435	55	25
3" / 4"	6.100	155.0	6.100	155	20.67	525	88	40
4" / 6"	8.661	2200	7.874	200	27.95	710	187	85

### API 526 dimensions\*

A to API 526		B to API 526	
inch	mm	inch	m
4.125	104.7	4.5	114.3
5.375	136.5	4.875	123.8
6.125	155.6	6.375	161.9
7.75	196.8	8.25	209.5

### API 526 face to centerline compatibility

- KSEA 2" / 3" and 3" / 4" can replace API valves without need for pipe changes
- KSEA 1" / 2" meets API inlet face to centerline dimension A

Flange connections to ANSI B16.5, Class 150

\* Note: This table shows the API 526 dimensions and suits to compare with the KSEA face to centerline dimensions

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