

# Type 526

Flanged Safety Relief Valves  
– spring loaded

Metric + US Units

# K

## Facts

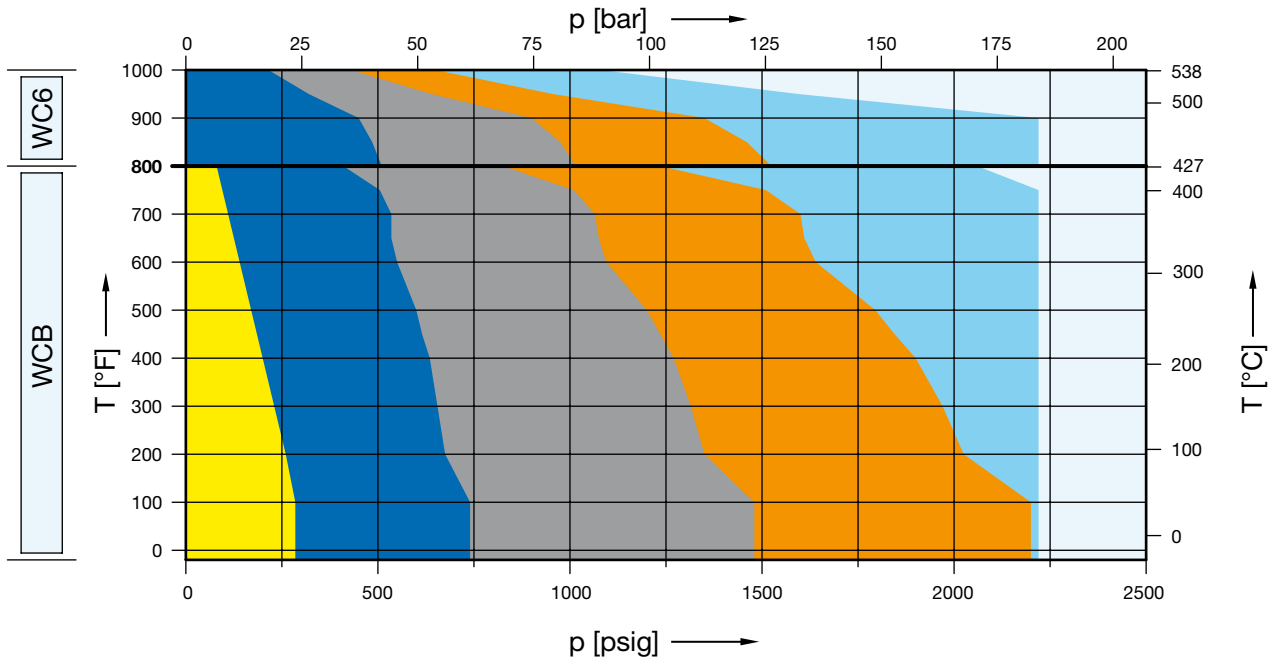


**LESER**

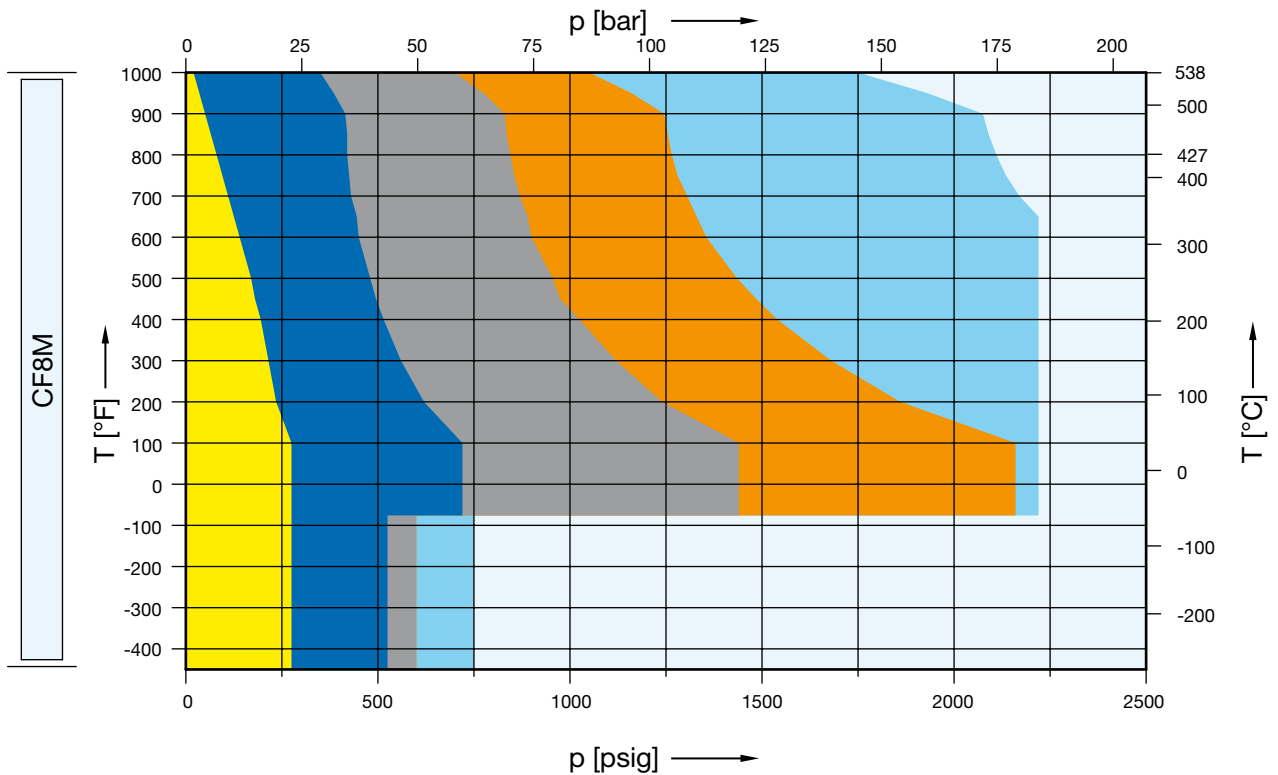
[The-Safety-Valve.com](http://The-Safety-Valve.com)

## Selection chart

	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 300	2500 x 300
WCB	5262.202X	See 300 x 150	5262.203X	5262.204X	5262.205X	5262.206X	-
WC6	-	See 300 x 150	5267.207X	5267.208X	5267.209X	5267.210X	-



	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 300	2500 x 300
CF8M	5264.211X	See 300 x 150	5264.212X	5264.213X	5264.214X	5264.215X	-



## Article numbers, dimensions and weights

### Article numbers

Valve size	3 K 4	3 K 4	3 K 4	3 K 4	3 K 6	3 K 6
Flange rating class <small>Inlet x Outlet</small>	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 300
Actual Orifice diameter $d_0$ [mm]	43.0	43.0	43.0	43.0	43.0	43.0
Actual Orifice area $A_0$ [mm <sup>2</sup> ]	1452	1452	1452	1452	1452	1452

### Body material

Material	Art.-No.	5262.202 <sup>□</sup>	Use 3 K 4 300 x 150	5262.203 <sup>□</sup>	5262.204 <sup>□</sup>	5262.205 <sup>□</sup>	5262.206 <sup>□</sup>
WCB 1.0619	Art.-No.	5262.202 <sup>□</sup>	Use 3 K 4 300 x 150	5262.203 <sup>□</sup>	5262.204 <sup>□</sup>	5262.205 <sup>□</sup>	5262.206 <sup>□</sup>
CF8M 1.4408	Art.-No.	5264.211 <sup>□</sup>	Use 3 K 4 300 x 150	5264.212 <sup>□</sup>	5264.213 <sup>□</sup>	5264.214 <sup>□</sup>	5264.215 <sup>□</sup>
WC6 1.7357	Art.-No.	-	Use 3 K 4 300 x 150	5267.207 <sup>□</sup>	5267.208 <sup>□</sup>	5267.209 <sup>□</sup>	5267.210 <sup>□</sup>
LCB	Art.-No.	5263.535 <sup>□</sup>	Use 3 K 4 300 x 150	5263.536 <sup>□</sup>	5263.537 <sup>□</sup>	5263.538 <sup>□</sup>	5263.539 <sup>□</sup>

<sup>□</sup> Please add code for the required cap or lifting device. See below.

### Dimensions and weights

#### Metric Units

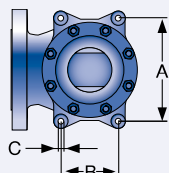
				Other	WC6			
<b>Weight</b> [kg]		70.1	Use 3 K 4 300 x 150	70.1	77.7	70.1	127.5	127.5
	with bellows	75.7		75.7	83.2	75.7	134.1	134.1
<b>Center to face</b> [mm]	Inlet a	156	Use 3 K 4 300 x 150	156	184	156	198	197
	Outlet b	162		162	181	162	216	216
	s	49		49	49	49	67	65
<b>Height (H4)</b> [mm]	Standard H max.	758	Use 3 K 4 300 x 150	758	786	758	880	879
	Bellows H max.	796		796	824	796	880	879
<b>Support brackets</b> [mm]	A	238	Use 3 K 4 300 x 150	238	238	238	278	278
	B	140		140	140	140	160	160
	C	Ø 18		Ø 18	Ø 18	Ø 18	Ø 18	Ø 18
	D	206		206	234	206	288	287
	E	25		25	25	25	25	25

#### US Units

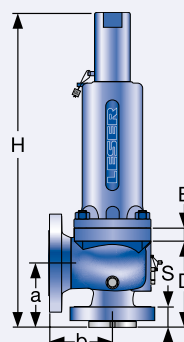
<b>Weight</b> [lbs]		154.6	Use 3 K 4 300 x 150	154.6	171.3	154.6	281.1	281.1
	with bellows	166.9		166.9	183.5	166.9	295.7	295.7
<b>Center to face</b> [inch]	Inlet a	6 1/8	Use 3 K 4 300 x 150	6 1/8	7 1/4	6 1/8	7 13/16	7 3/4
	Outlet b	6 3/8		6 3/8	7 1/8	6 3/8	8 1/2	8 1/2
	s	1 15/16		1 15/16	1 15/16	1 15/16	2 9/16	2 9/16
<b>Height (H4)</b> [inch]	Standard H max.	29 27/32	Use 3 K 4 300 x 150	29 27/32	30 15/16	29 27/32	34 21/32	34 19/32
	Bellows H max.	31 11/32		31 11/32	32 7/16	31 11/32	34 21/32	34 19/32
<b>Support brackets</b> [inch]	A	9 3/8	Use 3 K 4 300 x 150	9 3/8	9 3/8	9 3/8	10 15/16	10 15/16
	B	5 1/2		5 1/2	5 1/2	5 1/2	6 5/16	6 5/16
	C	Ø 23/32		Ø 23/32	Ø 23/32	Ø 23/32	Ø 23/32	Ø 23/32
	D	8 3/32		8 3/32	9 7/32	8 3/32	11 11/32	11 9/32
	E	31/32		31/32	31/32	31/32	31/32	31/32

### Code for lifting device

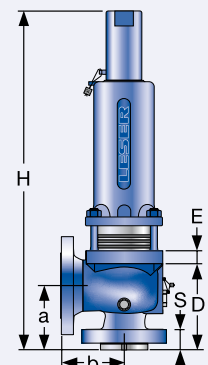
Lifting device	H2	H3	H4	H3
Bonnet	closed	closed	closed	open
WCB 1.0619, WC6 1.7357, LCB	2	3	4	5
CF8M 1.4408	2	-	4	-



Support brackets



Conventional design



Balanced bellows design

## Pressure temperature ratings

Metric Units							
Valve size		3 K 4	3 K 4	3 K 4	3 K 4	3 K 6	3 K 6
Flange rating class <small>Inlet x Outlet</small>		150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 300
Actual Orifice diameter $d_0$ [mm]		43.0	43.0	43.0	43.0	43.0	43.0
Actual Orifice area $A_0$ [mm <sup>2</sup> ]		1452	1452	1452	1452	1452	1452
Minimum set pressure [bar] S/G/L		0.3	0.3	0.3	0.3	2.3	2.3
	WC6 only					0.3	0.3
Minimum set pressure [bar] S/G		2.2	2.2	2.2	5.6	5.6	5.6
Balanced bellows Inconel [bar] L		2.5	2.5	2.5	6.5	6.5	6.5
<b>Body material: WCB 1.0619</b>		<b>Pressure range p [bar] S/G/L</b>					
<b>Maximum set pressure</b>	-29 to 38 °C	19.7	Use 3 K 4 300 x 150	51.0	102.1	153.1	153.1
	39 to 232 °C	12.8		42.4	85.2	127.2	153.1
	233 to 427 °C	5.5		28.3	56.9	85.2	142.1
<b>Outlet pressure limit</b> Conventional design		19.7		19.7	19.7	19.7	41.4
<b>Outlet pressure limit</b> Balanced bellows design		10.3		10.3	13.8	13.8	13.8
<b>Body material: CF8M 1.4408</b>		<b>Pressure range p [bar] S/G/L</b>					
<b>Maximum set pressure</b>	-268 to -60 °C	19.0	Use 3 K 4 300 x 150	36.2	41.4	41.4	51.7
	-59 to -29 °C	19.0		49.7	99.3	149.0	153.1
	-28 to 38 °C	19.0		49.7	99.3	149.0	153.1
	39 to 232 °C	12.4		34.1	67.2	102.4	171.0
	233 to 427 °C	5.5		29.0	58.3	87.2	145.5
	428 to 538 °C	1.4		24.1	48.3	72.4	120.7
<b>Outlet pressure limit</b> Conventional design		19.0		19.0	19.0	19.0	41.4
<b>Outlet pressure limit</b> Balanced bellows design		10.3		10.3	13.8	13.8	13.8
<b>Body material: WC6 1.7357</b>		<b>Pressure range p [bar] S/G/L</b>					
<b>Maximum set pressure</b>	233 to 427 °C	–	–	35.2	70.0	105.2	153.1
	428 to 538 °C	–	–	14.8	29.7	44.8	74.5
<b>Outlet pressure limit</b> Conventional design		–	–	19.7	19.7	19.7	41.4
<b>Outlet pressure limit</b> Balanced bellows design		–	–	10.3	13.8	13.8	13.8
<b>Body material: LCB</b>		<b>Pressure range p [bar] S/G/L</b>					
<b>Maximum set pressure</b>	-46 to 38 °C	18.4	Use 3 K 4 300 x 150	48.0	96.0	144.1	153.1
	39 to 200 °C	13.8		42.5	85.1	127.6	153.1
	201 to 343 °C	8.4		36.4	72.8	109.2	153.1
<b>Outlet pressure limit</b> Conventional design		18.4		18.4	18.4	18.4	41.4
<b>Outlet pressure limit</b> Balanced bellows design		10.3		10.3	13.8	13.8	13.8

Remark: SA 352 Gr. LCB is not listed in the API 526. Pressure-Temperature Rating acc. to ASME B16.34 Table 2-1.3  
The stated Pressure-Temperature Rating are taken from ASME B16.34 Table 2-1.3 if the maximum pressure is not limited by API 526.

Due to the extended material test certificate the LESER LCB can be applied as LCC, WCB, WCC and 1.0619 with the respective pressure-temperature range as well.

## Pressure temperature ratings

US Units							
Valve size	3 K 4	3 K 4	3 K 4	3 K 4	3 K 6	3 K 6	
Flange rating class <small>Inlet x Outlet</small>	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 300	
Actual Orifice diameter $d_0$ [inch]	1.69	1.69	1.69	1.69	1.69	1.69	
Actual Orifice area $A_0$ [inch <sup>2</sup> ]	2.25	2.25	2.25	2.25	2.25	2.25	
Minimum set pressure [psig] S/G/L	4.0	4.0	4.0	4.0	33.0	33.0	
Minimum set pressure [psig] S/G	31.9	31.9	31.9	81.2	81.2	81.2	
Balanced bellows Inconel [psig] L	36.3	36.3	36.3	94.3	94.3	94.3	
<b>Body material: WCB 1.0619</b>							
<b>Pressure range p [psig] S/G/L</b>							
<b>Maximum set pressure</b>	-20 to 100 °F	285	Use 3 K 4 300 x 150	740	1480	2220	2200
	101 to 450 °F	185		615	1235	1845	2200
	451 to 800 °F	80		410	825	1235	2060
<b>Outlet pressure limit</b> Conventional design	285		285	285	285	600	
<b>Outlet pressure limit</b> Balanced bellows design	150		150	200	200	200	
<b>Body material: CF8M 1.4408</b>							
<b>Pressure range p [psig] S/G/L</b>							
<b>Maximum set pressure</b>	-450 to -76 °F	275	Use 3 K 4 300 x 150	525	600	600	750
	-75 to -21 °F	275		720	1440	2160	2220
	-20 to 100 °F	275		720	1440	2160	2220
	101 to 450 °F	180		495	975	1485	2480
	451 to 800 °F	80		420	845	1265	2110
	801 to 1000 °F	20		350	700	1050	1750
<b>Outlet pressure limit</b> Conventional design	275		275	275	275	600	
<b>Outlet pressure limit</b> Balanced bellows design	150		150	200	200	200	
<b>Body material: WC6 1.7357</b>							
<b>Pressure range p [psig] S/G/L</b>							
<b>Maximum set pressure</b>	451 to 800 °F	-	-	510	1015	1525	2220
	801 to 1000 °F	-	-	215	430	650	1080
<b>Outlet pressure limit</b> Conventional design	-	-	285	285	285	600	
<b>Outlet pressure limit</b> Balanced bellows design	-	-	150	200	200	200	
<b>Body material: LCB</b>							
<b>Pressure range p [psig] S/G/L</b>							
<b>Maximum set pressure</b>	-50 to 100 °F	265	Use 3 K 4 300 x 150	695	1395	2090	2200
	101 to 400 °F	200		615	1230	1845	2200
	401 to 650 °F	125		535	1065	1600	2200
<b>Outlet pressure limit</b> Conventional design	265		265	265	265	600	
<b>Outlet pressure limit</b> Balanced bellows design	150		150	200	200	200	

Remark: SA 352 Gr. LCB is not listed in the API 526. Pressure-Temperature Rating acc. to ASME B16.34 Table 2-1.3  
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Due to the extended material test certificate the LESER LCB can be applied as LCC, WCB, WCC and 1.0619 with the respective pressure-temperature range as well.