

Type 526

Flanged Safety Relief Valves
– spring loaded

Metric + US Units



J

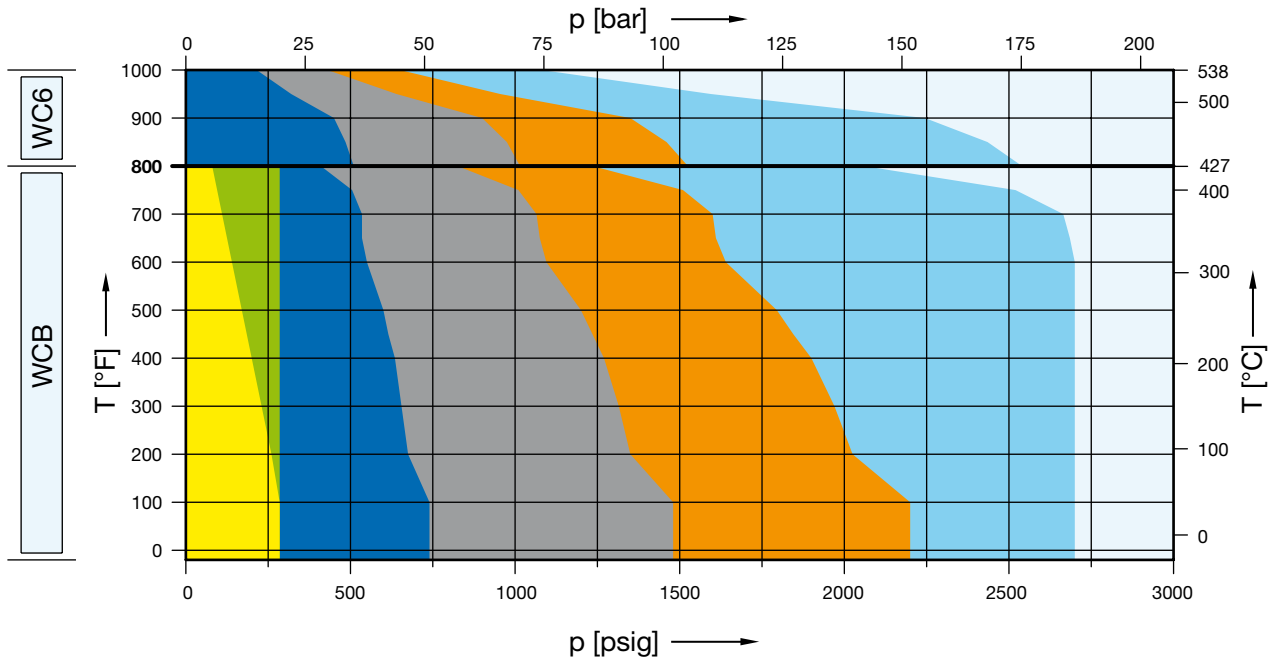
Facts

LESER

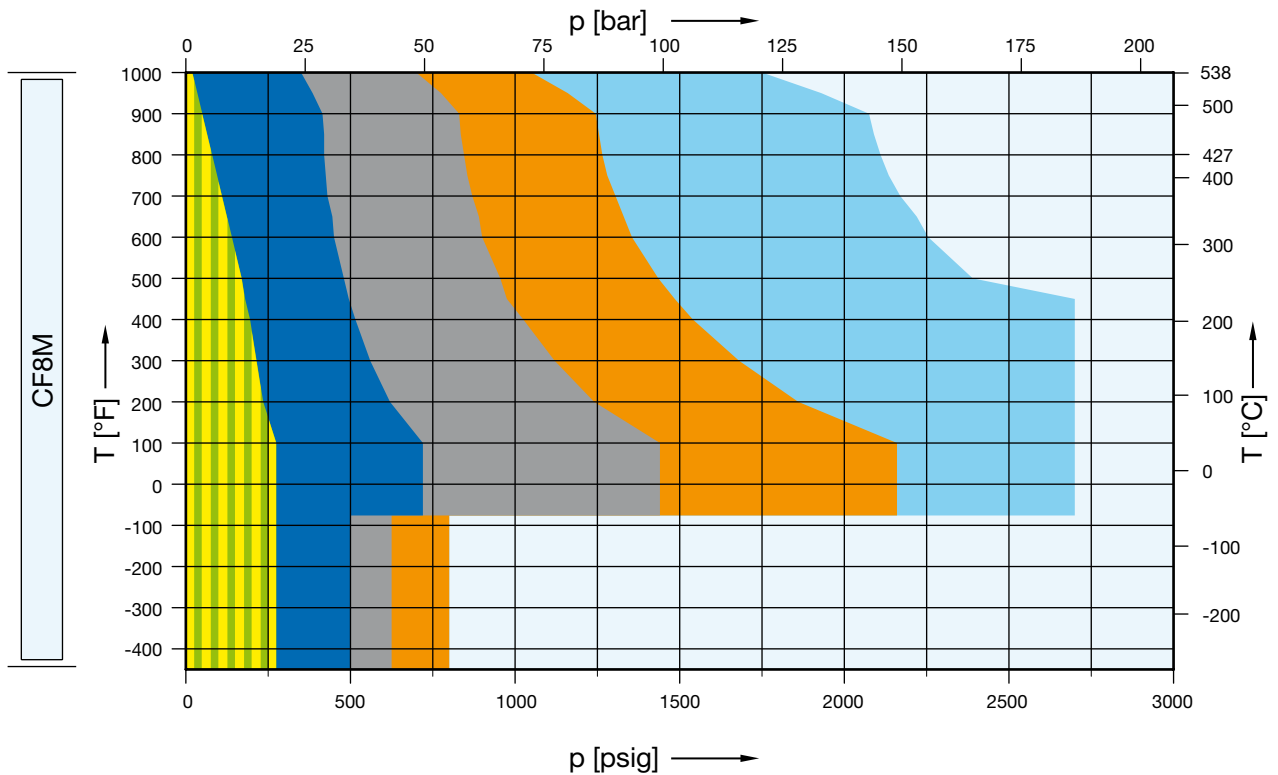
The-Safety-Valve.com

Selection chart

	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 300	2500 x 300
WCB	5262.162X	5262.163X	5262.164X	5262.165X	5262.166X	5262.167X	-
WC6	-	-	5267.168X	5267.169X	5267.170X	5267.171X	-



	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 300	2500 x 300
CF8M	5264.196X	5264.197X	5264.198X	5264.199X	5264.200X	5264.201X	-



Article numbers, dimensions and weights

Article numbers

Valve size	2 J 3	2 J 3	3 J 4	3 J 4	3 J 4	3 J 4
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]	36.0	36.0	36.0	36.0	36.0	36.0
Actual Orifice area A_0 [mm ²]	1018	1018	1018	1018	1018	1018

Body material

	Art.-No.	5262.162 [□]	5262.163 [□]	5262.164 [□]	5262.165 [□]	5262.166 [□]	5262.167 [□]
WCB 1.0619	Art.-No.	5262.162 [□]	5262.163 [□]	5262.164 [□]	5262.165 [□]	5262.166 [□]	5262.167 [□]
CF8M 1.4408	Art.-No.	5264.196 [□]	5264.197 [□]	5264.198 [□]	5264.199 [□]	5264.200 [□]	5264.201 [□]
WC6 1.7357	Art.-No.	-	-	5267.168 [□]	5267.169 [□]	5267.170 [□]	5267.171 [□]
LCB	Art.-No.	5263.529 [□]	5263.530 [□]	5263.531 [□]	5263.532 [□]	5263.533 [□]	5263.534 [□]

[□] Please add code for the required cap or lifting device. See below.

Dimensions and weights

Metric Units

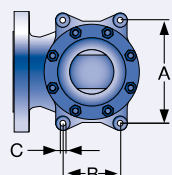
Weight [kg]		44.6	44.6	77.7	77.7	100.2	100.2
	with bellows	48.4	48.4	83.2	83.2	105.7	105.7
Center to face [mm]	Inlet a	137	137	184	184	184	184
	Outlet b	124	124	181	181	181	181
	s	49	49	49	49	65	65
Height (H4) [mm]	Standard H max.	673	673	786	786	786	786
	Bellows H max.	722	722	824	824	824	824
Support brackets [mm]	A	184	184	238	238	238	238
	B	110	110	140	140	140	140
	C	Ø 14	Ø 14	Ø 18	Ø 18	Ø 18	Ø 18
	D	184	184	234	234	234	234
	E	16	16	25	25	25	25

US Units

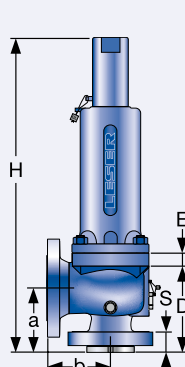
Weight [lbs]		98.3	98.3	171.3	171.3	220.9	220.9
	with bellows	106.7	106.7	183.5	183.5	233.1	233.1
Center to face [inch]	Inlet a	5 ³ / ₈	5 ³ / ₈	7 ¹ / ₄	7 ¹ / ₄	7 ¹ / ₄	7 ¹ / ₄
	Outlet b	4 ⁷ / ₈	4 ⁷ / ₈	7 ¹ / ₈	7 ¹ / ₈	7 ¹ / ₈	7 ¹ / ₈
	s	1 ¹⁵ / ₁₆	1 ¹⁵ / ₁₆	1 ¹⁵ / ₁₆	1 ¹⁵ / ₁₆	2 ⁹ / ₁₆	2 ⁹ / ₁₆
Height (H4) [inch]	Standard H max.	26 ¹ / ₂	26 ¹ / ₂	30 ¹⁵ / ₁₆	30 ¹⁵ / ₁₆	30 ¹⁵ / ₁₆	30 ¹⁵ / ₁₆
	Bellows H max.	28 ⁷ / ₁₆	28 ⁷ / ₁₆	32 ⁷ / ₁₆	32 ⁷ / ₁₆	32 ⁷ / ₁₆	32 ⁷ / ₁₆
Support brackets [inch]	A	7 ¹ / ₄	7 ¹ / ₄	9 ³ / ₈	9 ³ / ₈	9 ³ / ₈	9 ³ / ₈
	B	4 ¹¹ / ₃₂	4 ¹¹ / ₃₂	5 ¹ / ₂	5 ¹ / ₂	5 ¹ / ₂	5 ¹ / ₂
	C	Ø ⁹ / ₁₆	Ø ⁹ / ₁₆	Ø ²³ / ₃₂	Ø ²³ / ₃₂	Ø ²³ / ₃₂	Ø ²³ / ₃₂
	D	7 ¹ / ₄	7 ¹ / ₄	9 ⁷ / ₃₂	9 ⁷ / ₃₂	9 ⁷ / ₃₂	9 ⁷ / ₃₂
	E	⁵ / ₈	⁵ / ₈	³¹ / ₃₂	³¹ / ₃₂	³¹ / ₃₂	³¹ / ₃₂

Code for lifting device

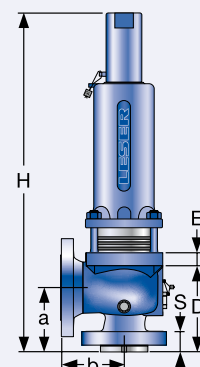
Lifting device	H2	H3	H4	H3
Bonnet	closed	closed	closed	open
WCB 1.0619, WC6 1.7357, LCB	2	3	4	5
CF8M 1.4408	2	-	4	-



Support brackets



Conventional design



Balanced bellows design

Pressure temperature ratings

Metric Units							
Valve size		2 J 3	2 J 3	3 J 4	3 J 4	3 J 4	3 J 4
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]		36.0	36.0	36.0	36.0	36.0	36.0
Actual Orifice area A_0 [mm ²]		1018	1018	1018	1018	1018	1018
Minimum set pressure [bar] S/G/L		0.2	0.2	0.8	0.8	0.8	0.8
Minimum set pressure [bar] S/G		3.5	3.5	3.5	3.5	3.5	3.5
Balanced bellows Inconel [bar] L		5.0	5.0	5.0	5.0	5.0	5.0
Body material: WCB 1.0619		Pressure range p [bar] S/G/L					
Maximum set pressure	-29 to 38 °C	19.7	19.7	51.0	102.1	153.1	186.2
	39 to 232 °C	12.8	19.7	42.4	85.2	127.2	186.2
	233 to 427 °C	5.5	19.7	28.3	56.9	85.2	142.1
Outlet pressure limit Conventional design		19.7	19.7	19.7	19.7	19.7	41.4
Outlet pressure limit Balanced bellows design		15.9	15.9	15.9	15.9	15.9	15.9
Body material: CF8M 1.4408		Pressure range p [bar] S/G/L					
Maximum set pressure	-268 to -60 °C	19.0	19.0	34.5	43.1	55.2	55.2
	-59 to -29 °C	19.0	19.0	49.7	99.3	149.0	186.2
	-28 to 38 °C	19.0	19.0	49.7	99.3	149.0	186.2
	39 to 232 °C	12.4	12.4	34.1	67.2	102.4	171.0
	233 to 427 °C	5.5	5.5	29.0	58.3	87.2	145.5
	428 to 538 °C	1.4	1.4	24.1	48.3	72.4	120.7
Outlet pressure limit Conventional design		19.0	19.0	19.0	19.0	19.0	41.4
Outlet pressure limit Balanced bellows design		15.9	15.9	15.9	15.9	15.9	15.9
Body material: WC6 1.7357		Pressure range p [bar] S/G/L					
Maximum set pressure	233 to 427 °C	–	–	35.2	70.0	105.2	175.2
	428 to 538 °C	–	–	14.8	29.7	44.8	74.5
Outlet pressure limit Conventional design		–	–	19.7	19.7	19.7	41.4
Outlet pressure limit Balanced bellows design		–	–	15.9	15.9	15.9	15.9
Body material: LCB		Pressure range p [bar] S/G/L					
Maximum set pressure	-46 to 38 °C	18.4	18.4	48.0	96.0	144.1	186.2
	39 to 200 °C	13.8	13.8	42.5	85.1	127.6	186.2
	201 to 343 °C	8.4	8.4	36.4	72.8	109.2	182.0
Outlet pressure limit Conventional design		18.4	18.4	18.4	18.4	18.4	41.4
Outlet pressure limit Balanced bellows design		15.9	15.9	15.9	15.9	15.9	15.9

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		2 J 3	2 J 3	3 J 4	3 J 4	3 J 4	3 J 4
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]		1.42	1.42	1.42	1.42	1.42	1.42
Actual Orifice area A_0 [inch ²]		1.58	1.58	1.58	1.58	1.58	1.58
Minimum set pressure [psig] S/G/L		3.0	3.0	12.0	12.0	12.0	12.0
Minimum set pressure [psig] S/G		50.8	50.8	50.8	50.8	50.8	50.8
Balanced bellows Inconel [psig] L		72.5	72.5	72.5	72.5	72.5	72.5
Body material: WCB 1.0619		Pressure range p [psig] S/G/L					
Maximum set pressure	-20 to 100 °F	285	285	740	1480	2220	2700
	101 to 450 °F	185	285	615	1235	1845	2700
	451 to 800 °F	80	285	410	825	1235	2060
Outlet pressure limit Conventional design		285	285	285	285	285	600
Outlet pressure limit Balanced bellows design		230	230	230	230	230	230
Body material: CF8M 1.4408		Pressure range p [psig] S/G/L					
Maximum set pressure	-450 to -76 °F	275	275	500	625	800	800
	-75 to -21 °F	275	275	720	1440	2160	2700
	-20 to 100 °F	275	275	720	1440	2160	2700
	101 to 450 °F	180	180	495	975	1485	2480
	451 to 800 °F	80	80	420	845	1265	2110
	801 to 1000 °F	20	20	350	700	1050	1750
Outlet pressure limit Conventional design		275	275	275	275	275	600
Outlet pressure limit Balanced bellows design		230	230	230	230	230	230
Body material: WC6 1.7357		Pressure range p [psig] S/G/L					
Maximum set pressure	451 to 800 °F	-	-	510	1015	1525	2540
	801 to 1000 °F	-	-	215	430	650	1080
Outlet pressure limit Conventional design		-	-	285	285	285	600
Outlet pressure limit Balanced bellows design		-	-	230	230	230	230
Body material: LCB		Pressure range p [psig] S/G/L					
Maximum set pressure	-50 to 100 °F	265	265	695	1395	2090	2700
	101 to 400 °F	200	200	615	1230	1845	2700
	401 to 650 °F	125	125	535	1065	1600	2665
Outlet pressure limit Conventional design		265	265	265	265	265	600
Outlet pressure limit Balanced bellows design		230	230	230	230	230	230

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.