Type 526

Flanged Safety Relief Valves – spring loaded

Metric + US Units

R

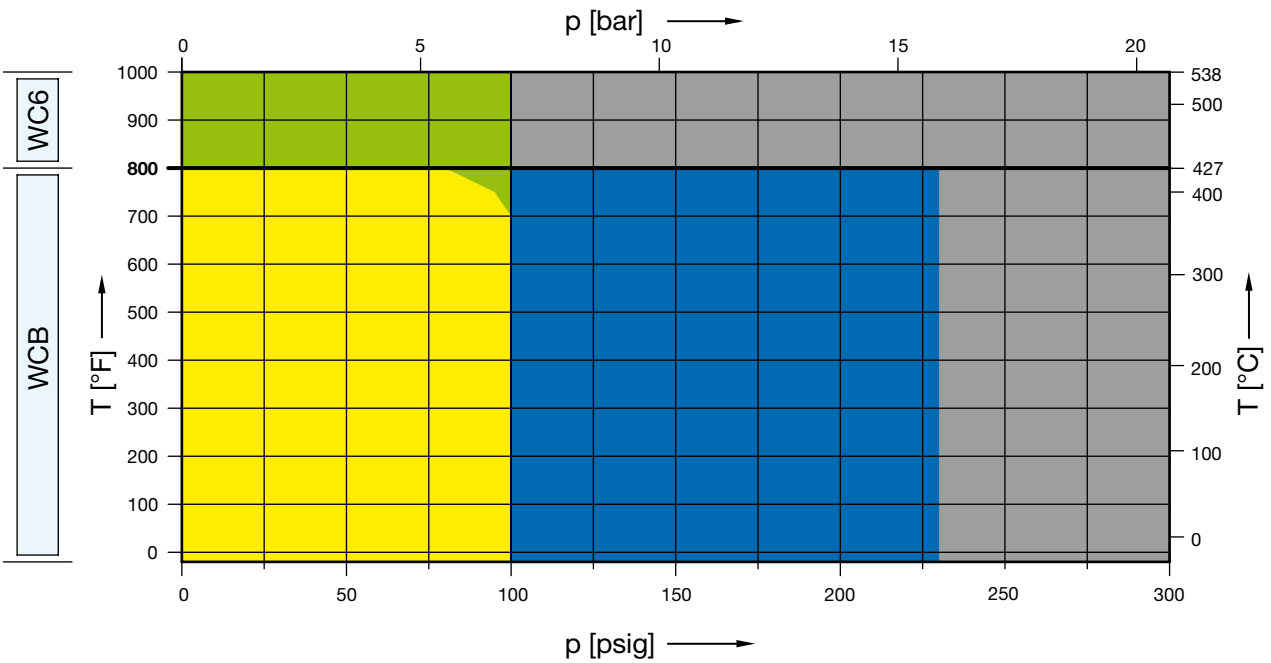
Facts

LESER

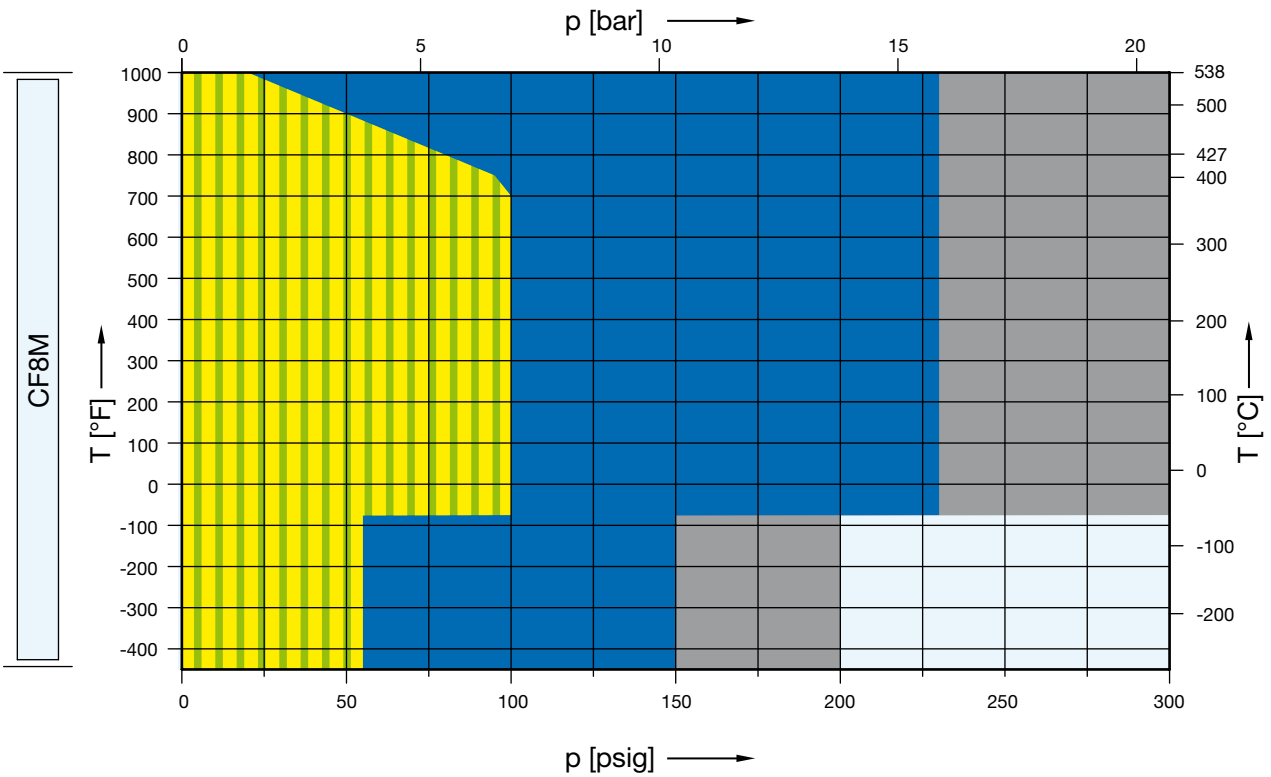
The-Safety-Valve.com

Selection chart

	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 150	2500 x 300
WCB	5262.665X	5262.666X	5262.667X	5262.668X	–	–	–
WC6	–	5267.669X	–	5267.670X	–	–	–



	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 150	2500 x 300
CF8M	5264.671X	5264.672X	5264.673X	5264.674X	–	–	–



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Article numbers, dimensions and weights

Article numbers

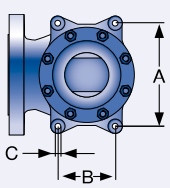
	Valve size	6 R 8	6 R 8	6 R 10	6 R 10
	Flange rating class Inlet x Outlet	150 x 150	300L x 150	300 x 150	600 x 150
	Actual Orifice diameter d_0 [mm]	126.0	126.0	126.0	126.0
	Actual Orifice area A_0 [mm²]	12568	12568	12568	12568
Body material					
WCB 1.0619	Art.-No.	**5262.665**¤	**5262.666**¤	**5262.667**¤	**5262.668**¤
CF8M 1.4408	Art.-No.	**5264.671**¤	**5264.672**¤	**5264.673**¤	**5264.674**¤
WC6 1.7357	Art.-No.	–	**5267.669**¤	–	**5267.670**¤
LCB	Art.-No.	**5263.562**¤	**5263.563**¤	**5263.564**¤	**5263.565**¤

¤) Please add code for the required cap or lifting device. See below.

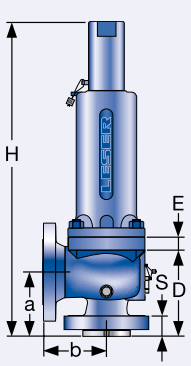
Dimensions and weights

Metric Units					
Weight [kg]		221	221	277	277
	with bellows	230	230	288	288
Center to face [mm]	Inlet a	240	240	240	240
	Outlet b	241	241	267	267
	s	68	68	70	70
Height (H4) [mm]	Standard H max.	1120	1120	1426	1426
	Bellows H max.	1200	1200	1426	1426
Support brackets [mm]	A	370	370	470	470
	B	210	210	150	150
	C	Ø 18	Ø 18	Ø 18	Ø 18
	D	346	346	460	460
	E	25	25	25	25
US Units					
Weight [lbs]		487.3	487.3	610.8	610.8
	with bellows	507.2	507.2	635	635
Center to face [inch]	Inlet a	9 7/16	9 7/16	9 7/16	9 7/16
	Outlet b	9 1/2	9 1/2	10 1/2	10 1/2
	s	2 11/16	2 11/16	2 3/4	2 3/4
Height (H4) [inch]	Standard H max.	44 1/8	44 1/8	56 1/8	56 1/8
	Bellows H max.	47 1/4	47 1/4	56 1/8	56 1/8
Support brackets [inch]	A	14 9/16	14 9/16	5 1/8	5 1/8
	B	8 9/32	8 9/32	5 29/32	5 29/32
	C	Ø 23/32	Ø 23/32	Ø 23/32	Ø 23/32
	D	13 5/8	13 5/8	18 1/8	18 1/8
	E	31/32	31/32	31/32	31/32

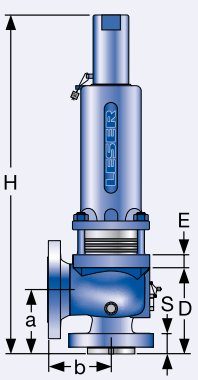
¤ Code for lifting device				
Lifting device	**H2**	**H3**	**H4**	**H3**
Bonnet	closed	closed	closed	open
WCB 1.0619, WC6 1.7357, LCB	2	3	4	5
CF8M 1.4408	2	–	4	–



Support brackets



Conventional design



Balanced bellows design

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Pressure temperature ratings

Metric Units

Valve size		6 R 8	6 R 8	6 R 10	6 R 10
Flange rating class Inlet x Outlet		150 x 150	300L x 150	300 x 150	600 x 150
Actual Orifice diameter d_0 [mm]		126.0	126.0	126.0	126.0
Actual Orifice area A_0 [mm²]		12568	12568	12568	12568
Minimum set pressure [bar] S/G/L		0.2	0.2	0.2	0.2
Minimum set pressure [bar] S/G		1.0	1.0	3.0	3.0
Balanced bellows Inconel [bar] L		1.4	1.4	3.0	3.0
Body material: WCB 1.0619		**Pressure range p [bar] S/G/L**			
Maximum set pressure	-29 to 38 °C	6.9	6.9	15.9	20.7
	39 to 232 °C	6.9	6.9	15.9	20.7
	233 to 427 °C	5.5	6.9	15.9	20.7
Outlet pressure limit Conventional design		4.1	4.1	6.9	6.9
Outlet pressure limit Balanced bellows design		4.1	4.1	6.9	6.9
Body material: CF8M 1.4408		**Pressure range p [bar] S/G/L**			
Maximum set pressure	-268 to -60 °C	3.8	3.8	10.3	13.8
	-59 to -29 °C	6.9	6.9	15.9	20.7
	-28 to 38 °C	6.9	6.9	15.9	20.7
	39 to 232 °C	6.9	6.9	15.9	20.7
	233 to 427 °C	5.5	5.5	15.9	20.7
	428 to 538 °C	1.4	1.4	15.9	20.7
Outlet pressure limit Conventional design		4.1	4.1	6.9	6.9
Outlet pressure limit Balanced bellows design		4.1	4.1	6.9	6.9
Body material: WC6 1.7357		**Pressure range p [bar] S/G/L**			
Maximum set pressure	233 to 427 °C	–	–	6.9	20.7
	428 to 538 °C	–	–	6.9	20.7
Outlet pressure limit Conventional design		–	–	4.1	6.9
Outlet pressure limit Balanced bellows design		–	–	4.1	6.9
Body material: LCB		**Pressure range p [bar] S/G/L**			
Maximum set pressure	-46 to 38 °C	6.9	6.9	15.9	20.7
	39 to 200 °C	6.9	6.9	15.9	20.7
	201 to 343 °C	6.9	6.9	15.9	20.7
Outlet pressure limit Conventional design		4.1	4.1	6.9	6.9
Outlet pressure limit Balanced bellows design		4.1	4.1	6.9	6.9

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		6 R 8	6 R 8	6 R 10	6 R 10
Flange rating class Inlet x Outlet		150 x 150	300L x 150	300 x 150	600 x 150
Actual Orifice diameter d_0 [inch]		4.96	4.96	4.96	4.96
Actual Orifice area A_0 [inch^2]		19.33	19.33	19.33	19.33
Minimum set pressure [psig] S/G/L		3.0	3.0	3.0	3.0
Minimum set pressure [psig] S/G		14.5	14.5	43.5	43.5
Balanced bellows Inconel [psig] L		20.3	20.3	43.5	43.5
Body material: WCB 1.0619			**Pressure range p [psig] S/G/L**		
Maximum set pressure	-20 to 100 °F	100	100	230	300
	101 to 450 °F	100	100	230	300
	451 to 800 °F	80	100	230	300
Outlet pressure limit Conventional design		60	60	100	100
Outlet pressure limit Balanced bellows design		60	60	100	100
Body material: CF8M 1.4408			**Pressure range p [psig] S/G/L**		
Maximum set pressure	-450 to -76 °F	55	55	150	200
	-75 to -21 °F	100	100	230	300
	-20 to 100 °F	100	100	230	300
	101 to 450 °F	100	100	230	300
	451 to 800 °F	80	80	230	300
	801 to 1000 °F	20	20	230	300
Outlet pressure limit Conventional design		60	60	100	100
Outlet pressure limit Balanced bellows design		60	60	100	100
Body material: WC6 1.7357			**Pressure range p [psig] S/G/L**		
Maximum set pressure	451 to 800 °F	–	–	100	300
	801 to 1000 °F	–	–	100	300
Outlet pressure limit Conventional design		–	–	60	100
Outlet pressure limit Balanced bellows design		–	–	60	100
Body material: LCB			**Pressure range p [psig] S/G/L**		
Maximum set pressure	-50 to 100 °F	100	100	230	300
	101 to 400 °F	100	100	230	300
	401 to 650 °F	100	100	230	300
Outlet pressure limit Conventional design		60	60	100	100
Outlet pressure limit Balanced bellows design		60	60	100	100

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.

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