

Type 526

Flanged Safety Relief Valves
– spring loaded

Metric + US Units

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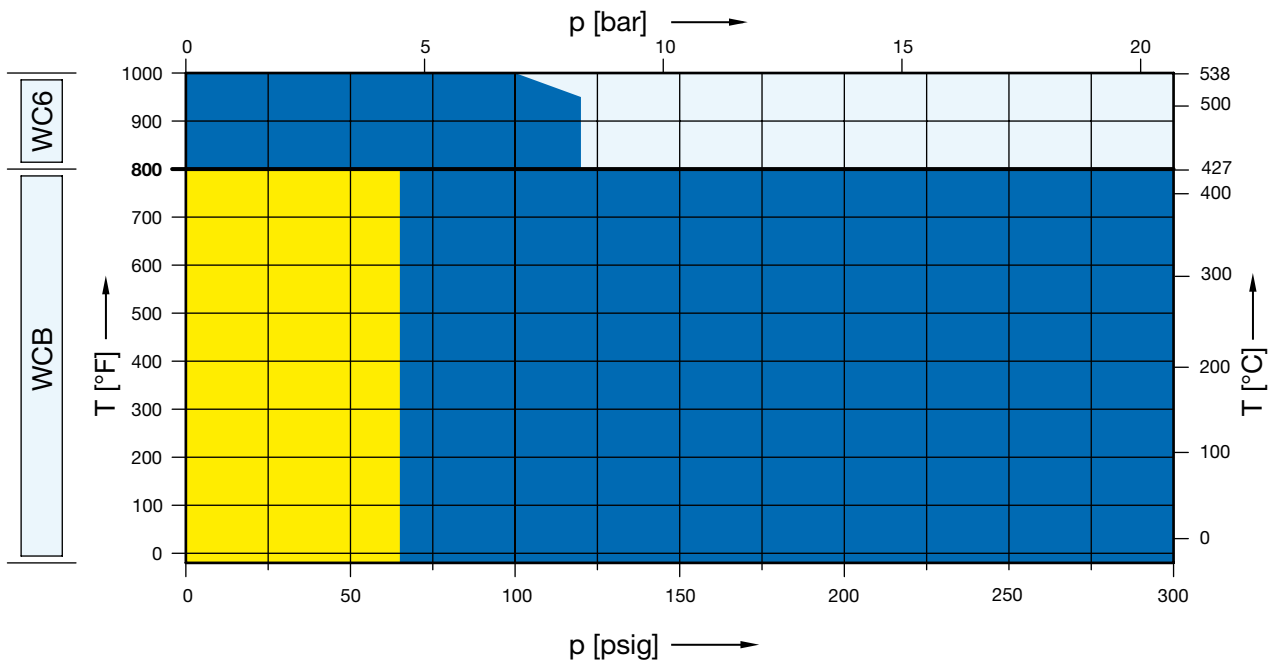
Facts

LESER

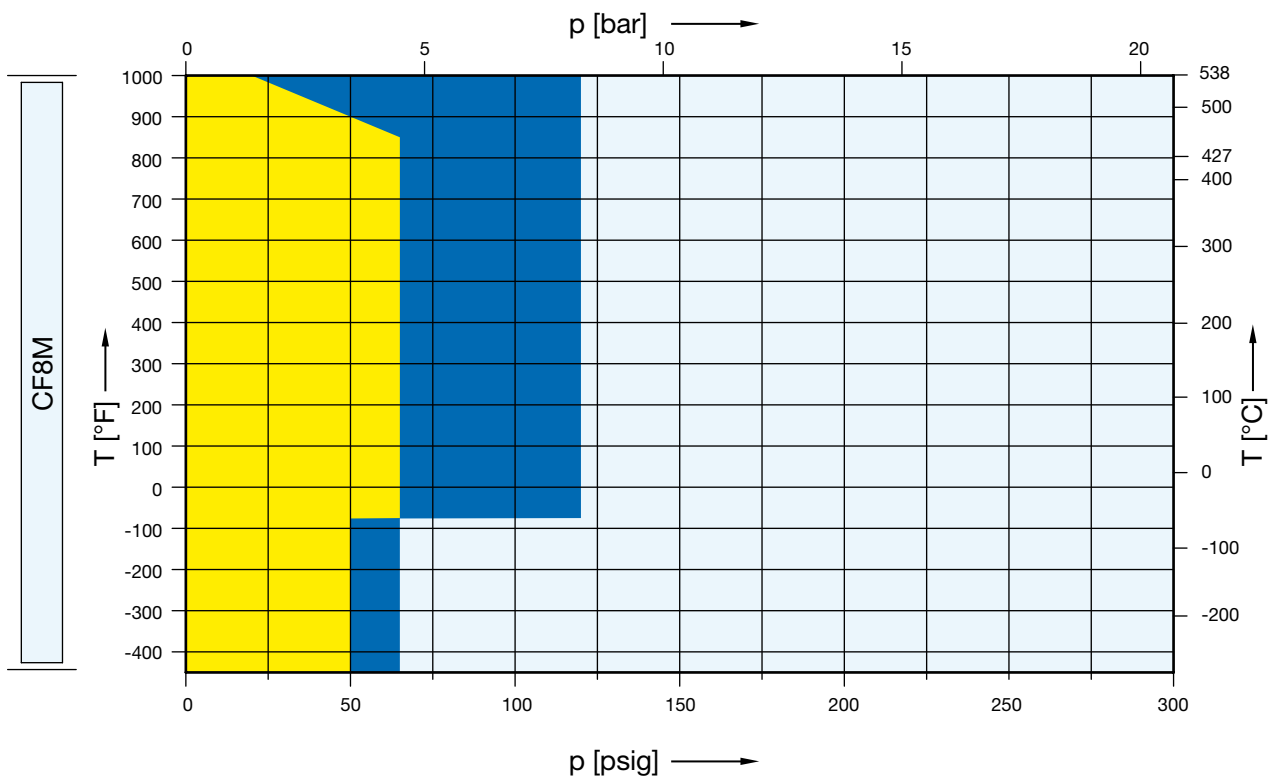
The-Safety-Valve.com

Selection chart

	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 150	2500 x 300
WC6	5262.675X	See 300 x 150	5262.676X	-	-	-	-
WC6	-	See 300 x 150	5267.677X	-	-	-	-



	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 150	2500 x 300
CF8M	5264.678X	See 300 x 150	5264.679X	-	-	-	-



Article numbers, dimensions and weights

Article numbers

Valve size	8 T 10	8 T 10	8 T 10
Flange rating class Inlet x Outlet	150 x 150	300L x 150	300 x 150
Actual Orifice diameter d_0 [mm]	161,5	161,5	161,5
Actual Orifice area A_0 [mm ²]	20485	20485	20485

Body material

WCB 1.0619	Art.-No.	5262.675 [□]	Use 8 T 10 300 x 150	5262.676 [□]
CF8M 1.4408	Art.-No.	5264.678 [□]		5264.679 [□]
WC6 1.7357	Art.-No.	-		5267.677 [□]
LCB	Art.-No.	5263.566 [□]		5263.567 [□]

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

Dimensions and weights

Metric Units

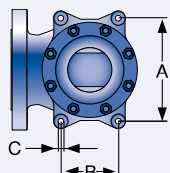
Weight [kg]		287	Use 8 T 10 300 x 150	287
	with bellows	298		298
Center to face [mm]	Inlet a	276		276
	Outlet b	279		279
	s	62		62
Height (H4) [mm]	Standard H max.	1462		1462
	Bellows H max.	1462		1462
Support brackets [mm]	A	470		470
	B	150		150
	C	Ø 18		Ø 18
	D	497		497
	E	25		25

US Units

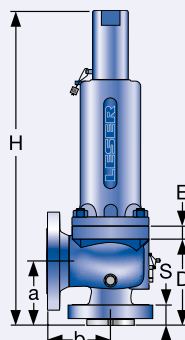
Weight [lbs]		632.8	Use 8 T 10 300 x 150	632.8
	with bellows	657.1		657.1
Center to face [inch]	Inlet a	10 ⁷ / ₈		10 ⁷ / ₈
	Outlet b	11		11
	s	2 ⁷ / ₁₆		2 ⁷ / ₁₆
Height (H4) [inch]	Standard H max.	57 ⁹ / ₁₆		57 ⁹ / ₁₆
	Bellows H max.	57 ⁹ / ₁₆		57 ⁹ / ₁₆
Support brackets [inch]	A	18 ¹ / ₂		18 ¹ / ₂
	B	150		150
	C	Ø ²³ / ₃₂		Ø ²³ / ₃₂
	D	19 ⁹ / ₁₆		19 ⁹ / ₁₆
	E	³¹ / ₃₂		³¹ / ₃₂

Code for lifting device

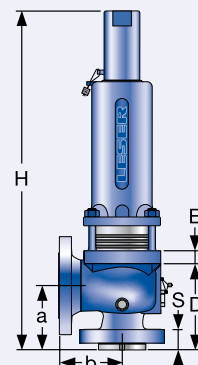
Lifting device	H2	H3	H4	H3
Bonnet	closed	closed	closed	open
WCB 1.0619, WC6 1.7357, LCB	2	3	4	5
CF8M 1.4408	2	-	4	-



Support brackets



Conventional design



Balanced bellows design

Pressure temperature ratings

Metric Units				
Valve size		8 T 10	8 T 10	8 T 10
Flange rating class <small>Inlet x Outlet</small>		150 x 150	300L x 150	300 x 150
Actual Orifice diameter d_0 [mm]		161.5	161.5	161.5
Actual Orifice area A_0 [mm ²]		20485	20485	20485
Minimum set pressure [bar] S/G/L		0.25	0.25	0.25
Minimum set pressure [bar] S/G		1.2	1.2	1.2
Balanced bellows Inconel [bar] L		2.5	2.5	2.5
Body material: WCB 1.0619		Pressure range p [bar] S/G/L		
Maximum set pressure	-29 to 38 °C	4.5	Use 8 T 10 300 x 150	20.7
	39 to 232 °C	4.5		20.7
	233 to 427 °C	4.5		20.7
Outlet pressure limit Conventional design	2.1	6.9		
Outlet pressure limit Balanced bellows design	2.1	6.9		
Body material: CF8M 1.4408		Pressure range p [bar] S/G/L		
Maximum set pressure	-268 to -60 °C	3.4	Use 8 T 10 300 x 150	4.5
	-59 to -29 °C	4.5		8.3
	-28 to 38 °C	4.5		8.3
	39 to 232 °C	4.5		8.3
	233 to 427 °C	4.5		8.3
	428 to 538 °C	1.4		8.3
Outlet pressure limit Conventional design	2.1	4.1		
Outlet pressure limit Balanced bellows design	2.1	4.1		
Body material: WC6 1.7357		Pressure range p [bar] S/G/L		
Maximum set pressure	233 to 427 °C	–	Use 8 T 10 300 x 150	20.7
	428 to 538 °C	–		15.5
Outlet pressure limit Conventional design	–	6.9		
Outlet pressure limit Balanced bellows design	–	6.9		
Body material: LCB		Pressure range p [bar] S/G/L		
Maximum set pressure	-46 to 38 °C	4.5	Use 8 T 10 300 x 150	20.7
	39 to 200 °C	4.5		20.7
	201 to 343 °C	4.5		20.7
Outlet pressure limit Conventional design	2.1	6.9		
Outlet pressure limit Balanced bellows design	2.1	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		8 T 10	8 T 10	8 T 10
Flange rating class <small>Inlet x Outlet</small>		150 x 150	300L x 150	300 x 150
Actual Orifice diameter d_0 [inch]		6.36	6.36	6.36
Actual Orifice area A_0 [inch ²]		31.75	31.75	31.75
Minimum set pressure [psig] S/G/L		4.0	4.0	4.0
Minimum set pressure	[psig] S/G	17.4	17.4	17.4
	[psig] L	36.3	36.3	36.3
Body material: WCB 1.0619		Pressure range p [psig] S/G/L		
Maximum set pressure	-20 to 100 °F	65	Use 8 T 10 300 x 150	300
	101 to 450 °F	65		300
	451 to 800 °F	65		300
Outlet pressure limit Conventional design		30		100
		30		100
Body material: CF8M 1.4408		Pressure range p [psig] S/G/L		
Maximum set pressure	-450 to -76 °F	50	Use 8 T 10 300 x 150	65
	-75 to -21 °F	65		120
	-20 to 100 °F	65		120
	101 to 450 °F	65		120
	451 to 800 °F	65		120
	801 to 1000 °F	20		120
Outlet pressure limit Conventional design		30	60	
		30	60	
Body material: WC6 1.7357		Pressure range p [psig] S/G/L		
Maximum set pressure	451 to 800 °F	–	Use 8 T 10 300 x 150	300
	801 to 1000 °F	–		225
Outlet pressure limit Conventional design		–		100
		–	100	
Body material: LCB		Pressure range p [psig] S/G/L		
Maximum set pressure	-50 to 100 °F	65	Use 8 T 10 300 x 150	300
	101 to 400 °F	65		300
	401 to 650 °F	65		300
Outlet pressure limit Conventional design		30		100
		30		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.

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