

Type 526
Conventional design
Materials

Item	Component	Standard Service Type 5262 Trim: Standard	Corrosive Service Type 5264 Trim: Standard	Type 5267 Trim: Standard	Type 5263 Trim: Standard
1	Body	1.0619 SA 216 WCB	1.4408 SA 351 CF8M	1.7357 SA 217 WC6	SA 352 LCB
5	Nozzle ¹⁾	1.4408 CF8M	1.4408 CF8M	1.4408 stellited CF8M stellited	1.4408 CF8M
6	Adjusting ring	1.4408 CF8M	1.4408 CF8M	1.4408 CF8M	1.4408 CF8M
7	Disc	1.4122 Hardened stainless steel	1.4404 stellited 316L stellited	1.4122 Hardened stainless steel	1.4122 Hardened stainless steel
8	Guide with bushing	1.0501 Steel	1.4404 316L	1.4404 316L	1.0501 Steel
		1.4104 tenifer Chrome steel tenifer	- -	- -	1.4104 tenifer Chrome steel tenifer
		1.0619 SA 216 WCB	1.4408 ²⁾ SA 351 CF8M	1.7357 SA 217 WC6	SA 352 LCB
9	Bonnet	1.0305 ⁴⁾ Steel	1.4571 / 1.4404 ³⁾ SA 479 316Ti / 316L	1.0305 ⁴⁾ Steel	1.0305 ⁴⁾ Steel
		1.4021 420	1.4404 316L	1.4021 420	1.4021 420
12	Spindle	1.4021 420	1.4404 316L	1.4021 420	1.4021 420
14	Split ring	1.4104 Chrome steel	1.4404 316L	1.4104 Chrome steel	1.4104 Chrome steel
16 / 17	Spring plate	1.0718 ³⁾ Steel	1.4404 316L	1.0718 ⁵⁾ Steel	1.0718 ⁵⁾ Steel
18	Adjusting screw with bushing	1.4104 Chrome steel	1.4404 tenifer 316L tenifer	1.4104 Chrome steel	1.4104 Chrome steel
		PTFE 15% glass PTFE 15% glass	PTFE 15% glass PTFE 15% glass	PTFE 15% glass PTFE 15% glass	PTFE 15% glass PTFE 15% glass
		1.0718 Steel	1.4404 316L	1.0718 Steel	1.0718 Steel
19	Lock nut	1.0718 Steel	1.4404 316L	1.0718 Steel	1.0718 Steel
22	Lift restriction	1.4404 316L	1.4404 316L	1.4404 316L	1.4404 316L
40	Cap H2	1.0460 / 0.7040 SA 105 / Gr. 60-40-18	1.4404 316L	1.0460 / 0.7040 SA 105 / Gr. 60-40-18	1.0460 / 0.7040 SA 105 / Gr. 60-40-18
54	Spring	1.7102, 1.8159 High temp. alloy steel	1.4310 Stainless steel	1.7102, 1.8159 High temp. alloy steel	1.7102, 1.8159 High temp. alloy steel
55	Stud	1.4401 B8M	1.4401 B8M	1.4401 B8M	1.4401 B8M
56	Nut	1.4401 8M	1.4401 8M	1.4401 8M	1.4401 8M
57	Ball	1.4401 316	1.4401 316	1.4401 316	1.4401 316
60	Gasket	Graphite / 1.4401 Graphite / 316	Graphite / 1.4401 Graphite / 316	Graphite / 1.4401 Graphite / 316	Graphite / 1.4401 Graphite / 316
61	Ball	1.3541 Hardened stainless steel	1.4401 316	1.3541 Hardened stainless steel	1.3541 Hardened stainless steel
64	Plug	Steel Steel	1.4401 B8M	Steel Steel	Steel Steel
66	Screw	1.4401 B8M	1.4401 B8M	1.4401 B8M	1.4401 B8M
69	Needle bearing	1.4404 316L	1.4404 316 L	1.4404 316L	1.4404 316L
73	Lock screw	1.4404 316L	1.4404 316L	1.4404 316L	1.4404 316L

¹⁾ Stellited sealing surfaces please refer to page 102, Extended Catalog. LESER reserves also to use the nozzle material 1.4404 / 316L. ²⁾ Valve sizes up to 6" x 8" ³⁾ Valve sizes ≥ 6" x 10"
⁴⁾ Valve size 6 R 10, 8 T 10 and 6 Q 8 in high pressure design (Option code Z90). ⁵⁾ For valve sizes 6 Q 8, 6 R 10 and 8 T 10 in high pressure design: 1.4122 / chrome steel.

Please notice:

- Modifications reserved by LESER.
- If several materials are specified LESER defines the material.
- LESER can upgrade materials without notice.
- Every part can be replaced by other material acc. to customer specification.

Special materials:

See API Alloy Concept page 80, Extended Catalog.

Type 526

Balanced bellows design

Materials

Item	Component	Standard Service Type 5262 Trim: Standard	Corrosive Service Type 5264 Trim: Standard	Type 5267 Trim: Standard	Type 5263 Trim: Standard
1	Body	1.0619 SA 216 WCB	1.4408 SA 351 CF8M	1.7357 SA 217 WC6	SA 352 LCB
5	Nozzle ¹⁾	1.4408 CF8M	1.4408 CF8M	1.4408 stellited CF8M stellited	1.4408 CF8M
6	Adjusting ring	1.4408 CF8M	1.4408 CF8M	1.4408 CF8M	1.4408 CF8M
7	Disc	1.4122 Hardened stainless steel	1.4404 stellited 316L stellited	1.4122 Hardened stainless steel	1.4122 Hardened stainless steel
8	Guide	1.4404 316 L	1.4404 316L	1.4404 316L	1.4404 316L
9	Bonnet	1.0619 SA 216 WCB	1.4408 ²⁾ SA 351 CF8M	1.7357 SA 217 WC6	SA 352 LCB
		1.0305 ⁴⁾ Steel	1.4571 / 1.4404 ³⁾ SA 479 316Ti / 316L	1.0305 ⁴⁾ Steel	1.0305 ⁴⁾ Steel
11	Bonnet spacer ⁵⁾	1.0460 SA 105	1.4408 SA 351 CF8M	1.4408 SA 351 CF8M	1.4408 SA 351 CF8M
12	Spindle	1.4021 420	1.4404 316L	1.4021 420	1.4021 420
14	Split ring	1.4104 Chrome steel	1.4404 316L	1.4104 Chrome steel	1.4104 Chrome steel
15	Bellows	2.4856 Inconel 625	1.4404 316L	2.4856 Inconel 625	1.4404 316L
16 / 17	Spring plate	1.0718 ⁴⁾ Steel	1.4404 316L	1.0718 ⁶⁾ Steel	1.0718 ⁶⁾ Steel
18	Adjusting screw with bushing	1.4104 Chrome steel	1.4404 tenifer 316L tenifer	1.4104 Chrome steel	1.4104 Chrome steel
		PTFE 15% glass	PTFE 15% glass	PTFE 15% glass	PTFE 15% glass
		PTFE 15% glass	PTFE 15% glass	PTFE 15% glass	PTFE 15% glass
19	Lock nut	1.0718 Steel	1.4404 316L	1.0718 Steel	1.0718 Steel
40	Cap H2	1.0460 / 0.7040 SA 105 / Gr. 60-40-18	1.4404 316L	1.0460 / 0.7040 SA 105 / Gr. 60-40-18	1.0460 / 0.7040 SA 105 / Gr. 60-40-18
54	Spring	1.7102, 1.8159 High temp. alloy steel	1.4310 Stainless steel	1.7102, 1.8159 High temp. alloy steel	1.7102, 1.8159 High temp. alloy steel
55	Stud	1.4401 B8M	1.4401 B8M	1.7709 B16	1.4401 B8M
56	Nut	1.4401 8M	1.4401 8M	1.7258 7M	1.4401 8M
57	Ball	1.4401 316	1.4401 316	1.4401 316	1.4401 316
60	Gasket	Graphite / 1.4401 Graphite / 316	Graphite / 1.4401 Graphite / 316	Graphite / 1.4401 Graphite / 316	Graphite / 1.4401 Graphite / 316
61	Ball	1.3541 Hardened stainless steel	1.4401 316	1.3541 Hardened stainless steel	1.3541 Hardened stainless steel
66	Screw	1.4401 B8M	1.4401 B8M	1.4401 B8M	1.4401 B8M
69	Needle bearing	1.4404 316L	1.4404 316L	1.4404 316L	1.4404 316L
73	Lock screw	1.4404 316L	1.4404 316L	1.4404 316L	1.4404 316L

¹⁾ Stellited sealing surfaces please refer to page 102, Extended Catalog. LESER reserves also to use the nozzle material 1.4404 / 316L. ²⁾ Valve sizes up to 6" x 8" ³⁾ Valve sizes ≥ 6" x 10"
⁴⁾ Valve size 6 R 10, 8 T 10 and 6 Q 8 in high pressure design (Option code Z90). ⁵⁾ Valve size 1 1/2 D 3, 1 1/2 E 3, 1 1/2 F 3, 6 R 10 and 8 T 10 without bonnet spacer.
⁶⁾ For valve sizes 6 Q 8, 6 R 10 and 8 T 10 in high pressure design: 1.4122 / chrome steel.

Please notice:

- Modifications reserved by LESER.
- If several materials are specified LESER defines the material.
- LESER can upgrade materials without notice.
- Every part can be replaced by other material acc. to customer specification.

Special materials:

See API Alloy Concept page 80, Extended Catalog.

Type 526

Article numbers

Overview

Material	WCB	CF8M	WC6	LCB	WCB	CF8M	WC6	LCB	WCB	CF8M	WC6	LCB
	1.0619	1.4408	1.7357		1.0619	1.4408	1.7357		1.0619	1.4408	1.7357	
Flange class	150 x 150				300L x 150				300 x 150			
Valve size	1 D 2				1 D 2				1 D 2			
D	5262.001 ^o	5264.010 ^o	–	5263.500 ^o	Use 1 D 2 300 x 150				5262.002 ^o	5264.011 ^o	5267.006 ^o	5263.501 ^o
Valve size	1 E 2				1 E 2				1 E 2			
E	5262.015 ^o	5264.024 ^o	–	5263.505 ^o	Use 1 E 2 300 x 150				5262.016 ^o	5264.025 ^o	5267.020 ^o	5263.506 ^o
Valve size	1 1/2 F 2				1 1/2 F 2				1 1/2 F 2			
F	5262.029 ^o	5264.039 ^o	–	5263.510 ^o	5262.030 ^o	5264.040 ^o	–	5263.511 ^o	5262.031 ^o	5264.041 ^o	5267.035 ^o	5263.512 ^o
Valve size	1 1/2 G 3				1 1/2 G 3				1 1/2 G 3			
G	5262.045 ^o	5264.110 ^o	–	5263.516 ^o	5262.046 ^o	5264.111 ^o	–	5263.517 ^o	5262.047 ^o	5264.112 ^o	5267.052 ^o	5263.518 ^o
Flange class	150 x 150				300L x 150				300 x 150			
Valve size	1 1/2 H 3				1 1/2 H 3				2 H 3			
H	5262.142 ^o	5264.152 ^o	–	5263.523 ^o	5262.143 ^o	5264.153 ^o	–	5263.524 ^o	5262.144 ^o	5264.154 ^o	5267.148 ^o	5263.525 ^o
Valve size	2 J 3				2 J 3				3 J 4			
J	5262.162 ^o	5264.196 ^o	–	5263.529 ^o	5262.163 ^o	5264.197 ^o	–	5263.530 ^o	5262.164 ^o	5264.198 ^o	5267.168 ^o	5263.531 ^o
Valve size	3 K 4				3 K 4				3 K 4			
K	5262.202 ^o	5264.211 ^o	–	5263.535 ^o	Use 3 K 4 300 x 150				5262.203 ^o	5264.212 ^o	5267.207 ^o	5263.536 ^o
Flange class	150 x 150				300L x 150				300 x 150			
Valve size	3 L 4				3 L 4				4 L 6			
L	5262.232 ^o	5264.242 ^o	–	5263.540 ^o	5262.233 ^o	5264.243 ^o	–	5263.541 ^o	5262.234 ^o	5264.244 ^o	5267.238 ^o	5263.542 ^o
Valve size	4 M 6				4 M 6				4 M 6			
M	5262.580 ^o	5264.587 ^o	–	5263.546 ^o	Use 4 M 6 300 x 150				5262.581 ^o	5264.588 ^o	5267.584 ^o	5263.547 ^o
Valve size	4 N 6				4 N 6				4 N 6			
N	5262.590 ^o	5264.597 ^o	–	5263.550 ^o	Use 4 N 6 300 x 150				5262.591 ^o	5264.598 ^o	5267.594 ^o	5263.551 ^o
Valve size	4 P 6				4 P 6				4 P 6			
P	5262.645 ^o	5264.653 ^o	–	5263.554 ^o	5262.646 ^o	5264.654 ^o	–	5263.555 ^o	5262.647 ^o	5264.655 ^o	5267.650 ^o	5263.556 ^o
Valve size	6 Q 8				6 Q 8				6 Q 8			
Q	5262.657 ^o	5264.662 ^o	–	5263.559 ^o	Use 6 Q 8 300 x 150				5262.658 ^o	5264.663 ^o	5267.660 ^o	5263.560 ^o
Valve size	6 R 8				6 R 8				6 R 10			
R	5262.665 ^o	5264.671 ^o	–	5263.562 ^o	5262.666 ^o	5264.672 ^o	5267.669 ^o	5263.563 ^o	5262.667 ^o	5264.673 ^o	–	5263.564 ^o
Valve size	8 T 10				8 T 10				8 T 10			
T	5262.675 ^o	5264.678 ^o	–	5263.566 ^o	Use 8 T 10 300 x 150				5262.676 ^o	5264.679 ^o	5267.677 ^o	5263.567 ^o

Material	WCB	CF8M	WC6	LCB	WCB	CF8M	WC6	LCB	WCB	CF8M	WC6	LCB	WCB	CF8M	WC6	LCB
	1.0619	1.4408	1.7357		1.0619	1.4408	1.7357		1.0619	1.4408	1.7357		1.0619	1.4408	1.7357	
Flange class	600 x 150				900 x 300				1500 x 300				2500 x 300			
Valve size	1 D 2				1 1/2 D 2				1 1/2 D 2				1 1/2 D 3			
D	5262.003 ^o	5264.012 ^o	5267.007 ^o	5263.502 ^o	Use 1 1/2 D 2 1500 x 300				5262.004 ^o	5264.013 ^o	5267.008 ^o	5263.503 ^o	5262.005 ^o	5264.014 ^o	5267.009 ^o	5263.504 ^o
E	1 E 2				1 1/2 E 2				1 1/2 E 2				1 1/2 E 3			
E	5262.017 ^o	5264.026 ^o	5267.021 ^o	5263.507 ^o	Use 1 1/2 E 2 1500 x 300				5262.018 ^o	5264.027 ^o	5267.022 ^o	5263.508 ^o	5262.019 ^o	5264.028 ^o	5267.023 ^o	5263.509 ^o
F	1 1/2 F 2				1 1/2 F 3				1 1/2 F 3				1 1/2 F 3			
F	5262.032 ^o	5264.042 ^o	5267.036 ^o	5263.513 ^o	Use 1 1/2 F 3 1500 x 300				5262.033 ^o	5264.043 ^o	5267.037 ^o	5263.514 ^o	5262.034 ^o	5264.044 ^o	5267.038 ^o	5263.515 ^o
G	1 1/2 G 3				1 1/2 G 3				2 G 3				2 G 3			
G	5262.048 ^o	5264.113 ^o	5267.053 ^o	5263.519 ^o	5262.049 ^o	5264.114 ^o	5267.054 ^o	5263.520 ^o	5262.050 ^o	5264.115 ^o	5267.055 ^o	5263.521 ^o	5262.051 ^o	5264.116 ^o	5267.056 ^o	5263.522 ^o
Flange class	600 x 150				900 x 150				1500 x 300							
Valve size	2 H 3				2 H 3				2 H 3							
H	5262.145 ^o	5264.155 ^o	5267.149 ^o	5263.526 ^o	5262.146 ^o	5264.156 ^o	5267.150 ^o	5263.527 ^o	5262.147 ^o	5264.157 ^o	5267.151 ^o	5263.528 ^o				
J	3 J 4				3 J 4				3 J 4							
J	5262.165 ^o	5264.199 ^o	5267.169 ^o	5263.532 ^o	5262.166 ^o	5264.200 ^o	5267.170 ^o	5263.533 ^o	5262.167 ^o	5264.201 ^o	5267.171 ^o	5263.534 ^o				
K	3 K 4				3 K 6				3 K 6							
K	5262.204 ^o	5264.213 ^o	5267.208 ^o	5263.537 ^o	5262.205 ^o	5264.214 ^o	5267.209 ^o	5263.538 ^o	5262.206 ^o	5264.215 ^o	5267.210 ^o	5263.539 ^o				
Flange class	600 x 150				900 x 150				1500 x 150							
Valve size	4 L 6				4 L 6				4 L 6							
L	5262.235 ^o	5264.245 ^o	5267.239 ^o	5263.543 ^o	5262.236 ^o	5264.246 ^o	5267.240 ^o	5263.544 ^o	5262.237 ^o	-	5267.241 ^o	5263.545 ^o				
M	4 M 6				4 M 6											
M	5262.582 ^o	5264.589 ^o	5267.585 ^o	5263.548 ^o	5262.583 ^o	-	5267.586 ^o	5263.549 ^o								
N	4 N 6				4 N 6											
N	5262.592 ^o	5264.599 ^o	5267.595 ^o	5263.552 ^o	5262.593 ^o	-	5267.596 ^o	5263.553 ^o								
P	4 P 6				4 P 6											
P	5262.648 ^o	5264.656 ^o	5267.651 ^o	5263.557 ^o	5262.649 ^o	-	5267.652 ^o	5263.558 ^o								
Q	6 Q 8															
Q	5262.659 ^o	5264.664 ^o	5267.661 ^o	5263.561 ^o												
R	6 R 10															
R	5262.668 ^o	5264.674 ^o	5267.670 ^o	5263.565 ^o												
T	8 T 10															
T	-	-	-	-												

^o Please add code for the required cap or lifting device.

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	-

Type 526

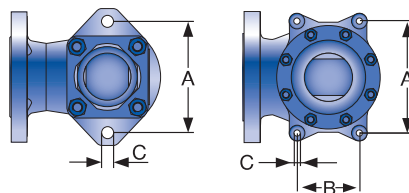
Dimensions

Metric units

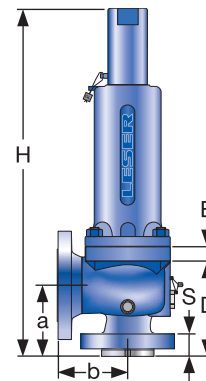
Safety valve dimensions		[mm]	a	b	s	H _{max.}	H _{max.} with bellows	a	b	s	H _{max.}	H _{max.} with bellows	a	b	s	H _{max.}	H _{max.} with bellows
Support brackets		[mm]	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
Flange rating class			150 x 150					300L x 150					300 x 150				
Valve size			1 D 2					1 D 2					1 D 2				
D	d ₀ [mm]	14.0	105	114	30	440	465	Please see 1 D 2					105	114	30	440	465
	A ₀ [mm ²]	154	130	-	Ø 14	132	16	300 x 150					130	-	Ø 14	132	16
Valve size			1 E 2					1 E 2					1 E 2				
E	d ₀ [mm]	14.0	105	114	30	440	465	Please see 1 E 2					105	114	30	440	465
	A ₀ [mm ²]	154	130	-	Ø 14	132	16	300 x 150					130	-	Ø 14	132	16
Valve size			1 1/2 F 2					1 1/2 F 2					1 1/2 F 2				
F	d ₀ [mm]	18.0	124	121	32	536	561	124	121	32	536	561	124	152	35	536	561
	A ₀ [mm ²]	254	162	-	Ø 14	148	16	162	-	Ø 14	148	16	162	-	Ø 14	148	16
Valve size			1 1/2 G 3					1 1/2 G 3					1 1/2 G 3				
G	d ₀ [mm]	22.5	124	121	32	536	574	124	121	32	536	574	124	152	35	536	574
	A ₀ [mm ²]	398	162	-	Ø 14	148	16	162	-	Ø 14	148	16	162	-	Ø 14	148	16
Flange rating class			150 x 150					300L x 150					300 x 150				
Valve size			1 1/2 H 3					1 1/2 H 3					2 H 3				
H	d ₀ [mm]	28.3	130	124	38	542	580	130	124	38	542	580	130	124	43	666	692
	A ₀ [mm ²]	629	162	-	Ø 14	155	16	162	-	Ø 14	155	16	184	110	Ø 14	177	16
Valve size			2 J 3					2 J 3					3 J 4				
J	d ₀ [mm]	36.0	137	124	49	673	722	137	124	49	673	722	184	181	49	786	824
	A ₀ [mm ²]	1018	184	110	Ø 14	184	16	184	110	Ø 14	184	16	238	140	Ø 18	234	25
Valve size			3 K 4					3 K 4					3 K 4				
K	WCB, LCB, d ₀ [mm]	43.0	156	162	49	758	796	Please see 3 K 4					156	162	49	758	796
	CF8M (WC6) A ₀ [mm ²]	1452	238	140	Ø 18	206	25	300 x 150					238	140	Ø 18	206	25
Valve size			3 L 4					3 L 4					4 L 6				
L	d ₀ [mm]	53.5	156	165	49	758	796	156	165	49	758	796	179	181	49	853	886
	A ₀ [mm ²]	2248	238	140	Ø 18	206	25	238	140	Ø 18	206	25	278	160	Ø 18	262	25
Valve size			4 M 6					4 M 6					4 M 6				
M	d ₀ [mm]	60.3	178	184	48	852	885	Please see 4 M 6					178	184	48	852	885
	A ₀ [mm ²]	2856	278	160	Ø 18	260	25	300 x 150					278	160	Ø 18	260	25
Valve size			4 N 6					4 N 6					4 N 6				
N	d ₀ [mm]	66.0	197	210	48	871	904	Please see 4 N 6					197	210	48	871	904
	A ₀ [mm ²]	3421	278	160	Ø 18	280	25	300 x 150					278	160	Ø 18	280	25
Valve size			4 P 6					4 P 6					4 P 6				
P	d ₀ [mm]	80.0	181	229	48	855	888	181	229	48	855	888	225	254	62	1079	1138
	A ₀ [mm ²]	5027	278	160	Ø 18	262	25	278	160	Ø 18	262	25	370	210	Ø 18	306	25
Valve size			6 Q 8					6 Q 8					6 Q 8				
Q	d ₀ [mm]	105.5	240	241	68	1120	1200	Please see 6 Q 8					240	241	68	1120	1200
	A ₀ [mm ²]	8742	370	210	Ø 18	346	25	300 x 150					370	210	Ø 18	346	25
Valve size			6 R 8					6 R 8					6 R 10				
R	d ₀ [mm]	126.0	240	241	68	1120	1200	240	241	68	1120	1200	240	267	68	1426	1426
	A ₀ [mm ²]	12568	370	210	Ø 18	346	25	370	210	Ø 18	346	25	470	150	Ø 18	460	25
Valve size			8 T 10					8 T 10					8 T 10				
T	d ₀ [mm]	161.5	276	279	62	1462	1462	Please see 8 T 10					276	279	62	1462	1462
	A ₀ [mm ²]	20485	470	150	Ø 18	497	25	300 x 150					470	150	Ø 18	497	25

d_0 = Actual orifice diameter
 A_0 = Actual orifice area

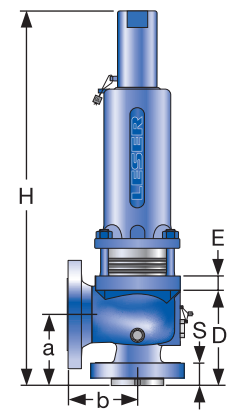
a	b	s	H _{max.}	H _{max.} with bellows	a	b	s	H _{max.}	H _{max.} with bellows	a	b	s	H _{max.}	H _{max.} with bellows	a	b	s	H _{max.}	H _{max.} with bellows
A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
600 x 150					900 x 300					1500 x 300					2500 x 300				
1 D 2					1 1/2 D 2					1 1/2 D 2					1 1/2 D 3				
105	114	30	440	465	Please see 1 1/2 D 2					105	140	44	517	542	140	178	57	576	576
130	-	Ø 14	132	16	1500 x 300					162	-	Ø 14	129	16	162	-	Ø 14	189	16
1 E 2					1 1/2 E 2					1 1/2 E 2					1 1/2 E 3				
105	114	30	440	465	Please see 1 1/2 E 2					105	140	44	517	542	140	178	57	576	576
130	-	Ø 14	132	16	1500 x 300					162	-	Ø 14	129	16	162	-	Ø 14	189	16
1 1/2 F 2					1 1/2 F 3					1 1/2 F 3					1 1/2 F 3				
124	152	35	536	561	Please see 1 1/2 F 3					124	165	44	560	560	140	178	57	576	576
162	-	Ø 14	148	16	1500 x 300					162	-	Ø 14	174	16	162	-	Ø 14	189	16
1 1/2 G 3					1 1/2 G 3					2 G 3					2 G 3				
124	152	35	536	574	124	165	44	560	573	156	172	68	688	705	156	172	68	688	705
162	-	Ø 14	148	16	162	-	Ø 14	174	16	184	110	Ø 14	198	16	184	110	Ø 14	198	16
600 x 150					900 x 150					1500 x 300									
2 H 3					2 H 3					2 H 3									
154	162	56	691	717	154	162	56	691	717	154	162	56	691	717					
184	110	Ø 14	202	16	184	110	Ø 14	202	16	184	110	Ø 14	202	16					
3 J 4					3 J 4					3 J 4									
184	181	49	786	824	184	181	65	786	824	184	181	65	786	824					
238	140	Ø 18	234	25	238	140	Ø 18	234	25	238	140	Ø 18	234	25					
3 K 4					3 K 6					3 K 6									
184	181	49	786	824	198	216	67	880	880	197	216	65	879	879					
238	140	Ø 18	234	25	278	160	Ø 18	288	25	278	160	Ø 18	287	25					
156	162	49	758	796															
238	140	Ø 18	206	25															
600 x 150					900 x 150					1500 x 150									
4 L 6					4 L 6					4 L 6									
179	203	57	853	886	197	222	72	871	904	197	222	72	871	904					
278	160	Ø 18	262	25	278	160	Ø 18	280	25	278	160	Ø 18	280	25					
4 M 6					4 M 6					4 M 6									
178	203	56	852	885	197	222	72	871	904	197	222	72	871	904					
278	160	Ø 18	260	25	278	160	Ø 18	280	25	278	160	Ø 18	280	25					
4 N 6					4 N 6					4 N 6									
197	222	72	871	904	197	222	72	871	904	197	222	72	871	904					
278	160	Ø 18	280	25	278	160	Ø 18	280	25	278	160	Ø 18	280	25					
4 P 6					4 P 6					4 P 6									
225	254	62	1079	1138	225	254	62	1079	1138	225	254	62	1079	1138					
370	210	Ø 18	306	25	370	210	Ø 18	306	25	370	210	Ø 18	306	25					
6 Q 8					6 Q 8					6 Q 8									
240	241	68	1120 ¹⁾	1200 ²⁾	240	241	68	1120 ¹⁾	1200 ²⁾	240	241	68	1120 ¹⁾	1200 ²⁾					
370	210	Ø 18	346	25	370	210	Ø 18	346	25	370	210	Ø 18	346	25					
6 R 10					6 R 10					6 R 10									
240	267	68	1426	1426	240	267	68	1426	1426	240	267	68	1426	1426					
470	150	Ø 18	460	25	470	150	Ø 18	460	25	470	150	Ø 18	460	25					
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					



Support brackets



Conventional design

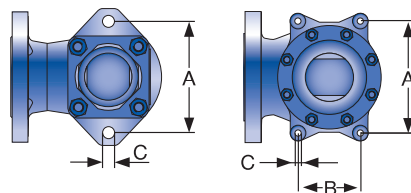


Balanced bellows design

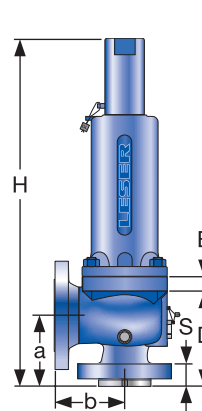
¹⁾ Type 526 high pressure design: 1202
²⁾ Type 526 high pressure design: 1282

d_0 = Actual orifice diameter
 A_0 = Actual orifice area

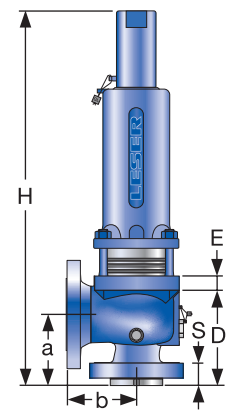
a	b	s	H _{max.}	H _{max.} with bellows	a	b	s	H _{max.}	H _{max.} with bellows	a	b	s	H _{max.}	H _{max.} with bellows	a	b	s	H _{max.}	H _{max.} with bellows					
A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E					
600 x 150					900 x 300					1500 x 300					2500 x 300									
1 D 2					1 1/2 D 2					1 1/2 D 2					1 1/2 D 3									
4 1/8	4 1/2	1 3/16	17 5/16	18 5/16	Please see 1 1/2 D 2					4 1/8	5 1/2	1 3/4	20 11/32	21 11/32	5 1/2	7	2 1/4	22 11/16	22 11/16	5 1/2	7	2 1/4	22 11/16	22 11/16
5 1/8	-	Ø 9/16	5 7/32	5/8	1500 x 300					6 3/8	-	Ø 9/16	5 3/32	5/8	6 3/8	-	Ø 9/16	7 15/32	5/8	6 3/8	-	Ø 9/16	7 15/32	5/8
1 E 2					1 1/2 E 2					1 1/2 E 2					1 1/2 E 3									
4 1/8	4 1/2	1 3/16	17 5/16	18 5/16	Please see 1 1/2 E 2					4 1/8	5 1/2	1 3/4	20 11/32	21 11/32	5 1/2	7	2 1/4	22 11/16	22 11/16	5 1/2	7	2 1/4	22 11/16	22 11/16
5 1/8	-	Ø 9/16	5 7/32	5/8	1500 x 300					6 3/8	-	Ø 9/16	5 3/32	5/8	6 3/8	-	Ø 9/16	7 15/32	5/8	6 3/8	-	Ø 9/16	7 15/32	5/8
1 1/2 F 2					1 1/2 F 3					1 1/2 F 3					1 1/2 F 3									
4 7/8	6	1 13/32	21 3/32	22 3/32	Please see 1 1/2 F 3					4 7/8	6 1/2	1 3/4	22 1/16	22 1/16	5 1/2	7	2 1/4	22 11/16	22 11/16	5 1/2	7	2 1/4	22 11/16	22 11/16
6 3/8	-	Ø 9/16	5 27/32	5/8	1500 x 300					6 3/8	-	Ø 9/16	6 27/32	5/8	6 3/8	-	Ø 9/16	7 15/32	5/8	6 3/8	-	Ø 9/16	7 15/32	5/8
1 1/2 G 3					1 1/2 G 3					2 G 3					2 G 3									
4 7/8	6	1 13/32	21 3/32	22 19/32	4 7/8	6 1/2	1 3/4	22 1/16	22 9/16	6 1/8	6 3/4	2 11/16	27 3/32	27 3/4	6 1/8	6 3/4	2 11/16	27 3/32	27 3/4	6 1/8	6 3/4	2 11/16	27 3/32	27 3/4
6 3/8	-	Ø 9/16	5 27/32	5/8	6 3/8	-	Ø 14	6 27/32	5/8	7 1/4	4 11/32	Ø 9/16	7 13/16	5/8	7 1/4	4 11/32	Ø 9/16	7 13/16	5/8	7 1/4	4 11/32	Ø 9/16	7 13/16	5/8
600 x 150					900 x 150					1500 x 300														
2 H 3					2 H 3					2 H 3														
6 1/16	6 3/8	2 3/16	27 7/32	28 7/32	6 1/16	6 3/8	2 3/16	27 7/32	28 7/32	6 1/16	6 3/8	2 3/16	27 7/32	28 7/32										
7 1/4	4 11/32	Ø 9/16	7 15/16	5/8	7 1/4	4 11/32	Ø 9/16	7 15/16	5/8	7 1/4	4 11/32	Ø 9/16	7 15/16	5/8										
3 J 4					3 J 4					3 J 4														
7 1/4	7 1/8	1 15/16	30 15/16	32 7/16	7 1/4	7 1/8	2 9/16	30 15/16	32 7/16	7 1/4	7 1/8	2 3/16	30 15/16	32 7/16										
9 3/8	5 1/2	Ø 23/32	9 7/32	31/32	9 3/8	5 1/2	Ø 23/32	9 7/32	31/32	9 3/8	5 1/2	Ø 23/32	9 7/32	31/32										
3 K 4					3 K 6					3 K 6														
7 1/4	7 1/8	1 15/16	30 15/16	32 7/16	7 13/16	8 1/2	2 9/16	34 21/32	34 21/32	7 3/4	8 1/2	2 9/16	34 19/32	34 19/32										
9 3/8	5 1/2	Ø 23/32	9 7/32	31/32	10 15/16	6 5/16	Ø 23/32	11 11/32	31/32	10 15/16	6 5/16	Ø 23/32	10 15/16	31/32										
6 1/8	6 3/8	1 15/16	29 27/32	31 11/32																				
9 3/8	5 1/2	Ø 23/32	8 3/32	31/32																				
600 x 150					900 x 150					1500 x 150														
4 L 6					4 L 6					4 L 6														
7 1/16	8	2 1/4	33 19/32	34 7/8	7 3/4	8 3/4	2 3/4	34 9/32	35 19/32	7 3/4	8 3/4	2 3/4	34 9/32	35 19/32										
10 15/16	6 5/16	Ø 23/32	10 15/16	31/32	10 15/16	6 5/16	Ø 23/32	11	31/32	10 15/16	6 5/16	Ø 23/32	11	31/32										
4 M 6					4 M 6					4 M 6														
7	8	2 3/16	33 17/32	34 27/32	7 3/4	8 3/4	2 3/4	34 9/32	35 19/32	7 3/4	8 3/4	2 3/4	34 9/32	35 19/32										
10 15/16	6 5/16	Ø 23/32	10 1/4	31/32	10 15/16	6 5/16	Ø 23/32	11	31/32	10 15/16	6 5/16	Ø 23/32	11	31/32										
4 N 6					4 N 6					4 N 6														
7 3/4	8 3/4	2 3/4	34 9/32	35 19/32	7 3/4	8 3/4	2 3/4	34 9/32	35 19/32	7 3/4	8 3/4	2 3/4	34 9/32	35 19/32										
10 15/16	6 5/16	Ø 23/32	11	31/32	10 15/16	6 5/16	Ø 23/32	11	31/32	10 15/16	6 5/16	Ø 23/32	11	31/32										
4 P 6					4 P 6					4 P 6														
8 7/8	10	2 7/16	42 1/2	44 13/16	8 7/8	10	2 7/16	42 1/2	44 13/16	8 7/8	10	2 7/16	42 1/2	44 13/16										
14 9/16	8 9/32	Ø 23/32	12 1/16	31/32	14 9/16	8 9/32	Ø 23/32	12 1/16	31/32	14 9/16	8 9/32	Ø 23/32	12 1/16	31/32										
6 Q 8					6 Q 8					6 Q 8														
9 7/16	9 1/2	2 11/16	44 1/8 ¹⁾	47 1/4 ²⁾																				
14 9/16	8 9/32	Ø 23/32	13 5/8	31/32																				
6 R 10					6 R 10					6 R 10														
9 7/16	10 1/2	2 11/16	56 1/8	56 1/8																				
18 1/2	5 29/32	Ø 23/32	18 1/8	31/32																				
-	-	-	-	-																				
-	-	-	-	-																				
-	-	-	-	-																				



Support brackets



Conventional design



Balanced bellows design

¹⁾ Type 526 high pressure design: 47 5/16
²⁾ Type 526 high pressure design: 50 1/2

Type 526

Weights

Metric units

		Bonnet			all			
		Lifting device			all			
Flange class		150 x 150	300L x 150	300 x 150	600 x 150	900 x 300	1500 x 300	2500 x 300
Valve size		1 D 2	1 D 2	1 D 2	1 D 2	1 1/2 D 2	1 1/2 D 2	1 1/2 D 3
D	Weight [kg]	17.3	17.3	17.3	17.3	31.1	31.1	41.8
	with bellows [kg]	18.4	18.4	18.4	18.4	33.1	33.1	44.6
E	Weight [kg]	17.3	17.3	17.3	17.3	31.1	31.1	41.8
	with bellows [kg]	18.4	18.4	18.4	18.4	33.1	33.1	44.6
F	Weight [kg]	30.6	30.6	32.5	32.5	36.3	36.3	41.8
	with bellows [kg]	33.1	33.1	35.0	35.0	38.6	38.6	44.6
G	Weight [kg]	30.6	30.6	32.5	32.5	36.3	69.9	69.9
	with bellows [kg]	33.1	33.1	35.0	35.0	38.6	72.5	72.5
Flange class		150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 300	
Valve size		1 1/2 H 3	1 1/2 H 3	2 H 3	2 H 3	2 H 3	2 H 3	
H	Weight [kg]	30.6	30.6	44.6	62.2	62.2	62.2	
	with bellows [kg]	33.1	33.1	48.4	65.3	65.3	65.3	
J	Weight [kg]	44.6	44.6	77.7	77.7	100.2	100.2	
	with bellows [kg]	48.4	48.4	83.2	83.2	105.7	105.7	
K	Weight [kg]	70.1	70.1	70.1	Other 77.7	WC6 70.1	127.5	127.5
	with bellows [kg]	75.7	75.7	75.7	83.2	75.7	134.1	134.1
Flange class		150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 150	
Valve size		3 L 4	3 L 4	4 L 6	4 L 6	4 L 6	4 L 6	
L	Weight [kg]	70.1	70.1	112.2	122.0	134.1	127.5	
	with bellows [kg]	75.7	75.7	118.8	128.6	140.7	134.1	
M	Weight [kg]	112.1	112.1	112.1	122.0	134.1		
	with bellows [kg]	118.7	118.7	118.7	128.6	140.7		
N	Weight [kg]	128.6	128.6	128.6	134.1	134.1		
	with bellows [kg]	135.2	135.2	135.2	140.7	140.7		
P	Weight [kg]	107.7	107.7	164.0	164.0	164.0		
	with bellows [kg]	114.8	114.8	172.0	172.0	172.0		
Q	Weight [kg]	221.0	221.0	221.0	221.0			
	with bellows [kg]	230.0	230.0	230.0	230.0			
R	Weight [kg]	221.0	221.0	277.0	277.0			
	with bellows [kg]	230.0	230.0	288.0	288.0			
T	Weight [kg]	287.0	287.0	287.0				
	with bellows [kg]	298.0	298.0	298.0				

Type 526
Weights
US units

		Bonnet			all			
		Lifting device			all			
Flange class		150 x 150	300L x 150	300 x 150	600 x 150	900 x 300	1500 x 300	2500 x 300
Valve size		1 D 2	1 D 2	1 D 2	1 D 2	1 1/2 D 2	1 1/2 D 2	1 1/2 D 3
D	Weight [lbs]	38.1	38.1	38.1	38.1	68.6	68.6	92.2
	with bellows [lbs]	40.6	40.6	40.6	40.6	73.0	73.0	98.3
E	Weight [lbs]	38.1	38.1	38.1	38.1	68.6	68.6	92.2
	with bellows [lbs]	40.6	40.6	40.6	40.6	73.0	73.0	98.3
F	Weight [lbs]	67.5	67.5	71.7	71.7	80.0	80.0	92.2
	with bellows [lbs]	73.0	73.0	77.2	77.2	85.1	85.1	98.3
G	Weight [lbs]	67.5	67.5	71.7	71.7	80.0	154.1	154.1
	with bellows [lbs]	73.0	73.0	77.2	77.2	85.0	159.9	159.9
Flange class		150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 300	
Valve size		1 1/2 H 3	1 1/2 H 3	2 H 3	2 H 3	2 H 3	2 H 3	
H	Weight [lbs]	67.5	67.5	98.3	137.2	137.2	137.2	
	with bellows [lbs]	73.0	73.0	106.7	144.0	144.0	144.0	
J	Weight [lbs]	98.3	98.3	171.3	171.3	220.9	220.9	
	with bellows [lbs]	106.7	106.7	183.5	183.5	233.1	233.1	
K	Weight [lbs]	154.6	154.6	154.6	Other 171.3	WC6 154.6	281.1	281.1
	with bellows [lbs]	166.9	166.9	166.9	183.5	166.9	295.7	295.7
Flange class		150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 150	
Valve size		3 L 4	3 L 4	4 L 6	4 L 6	4 L 6	4 L 6	
L	Weight [lbs]	154.6	154.6	247.4	269.0	295.7	281.1	
	with bellows [lbs]	166.9	166.9	262.0	283.6	310.2	295.7	
M	Weight [lbs]	247.2	247.2	247.2	269.0	295.7		
	with bellows [lbs]	261.7	261.7	261.7	283.6	310.2		
N	Weight [lbs]	283.6	283.6	283.6	295.7	295.7		
	with bellows [lbs]	298.1	298.1	298.1	310.2	310.2		
P	Weight [lbs]	237.5	237.5	361.6	361.6	361.6		
	with bellows [lbs]	253.1	253.1	379.2	379.2	379.2		
Q	Weight [lbs]	487.3	487.3	487.3	487.3			
	with bellows [lbs]	507.2	507.2	507.2	507.2			
R	Weight [lbs]	487.3	487.3	610.8	610.8			
	with bellows [lbs]	507.2	507.2	635.0	635.0			
T	Weight [lbs]	632.8	632.8	632.8				
	with bellows [lbs]	657.1	657.1	657.1				

Type 526

Orifice H

Pressure temperature ratings

Metric units

Valve size	1 1/2 H 3	1 1/2 H 3	2 H 3	2 H 3	2 H 3	2 H 3
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]	28.3	28.3	28.3	28.3	28.3	28.3
Actual Orifice area A_0 [mm ²]	625	625	625	625	625	625
Minimum set pressure [bar] S/G/L	0.2	0.2	0.3	0.3	0.3	0.3
Minimum set pressure [bar] S/G	3.2	3.2	6.5	6.5	6.5	6.5
Balanced bellows Inconel [bar] L	3.2	3.2	12.0	12.0	12.0	12.0
Body material: WCB 1.0619						
Pressure range p [bar] S/G/L						
Article numbers	5262.142^o	5262.143^o	5262.144^o	5262.145^o	5262.146^o	5262.147^o
Maximum set pressure	-29 to 38 °C	19.7	19.7	51.0	102.1	153.1
	232 °C	12.8	19.7	42.4	85.2	127.2
	427 °C	5.5	19.7	28.3	56.9	85.2
Outlet pressure limit Conventional design		19.7	19.7	19.7	19.7	51.0
		15.9	15.9	15.9	15.9	28.6
Body material: CF8M 1.4408						
Pressure range p [bar] S/G/L						
Article numbers	5264.152^o	5264.153^o	5264.154^o	5264.155^o	5264.156^o	5264.157^o
Maximum set pressure	-268 to -60 °C	19.0	19.0	49.7	99.3	102.4
	-59 to -29 °C	19.0	19.0	49.7	99.3	149.0
	-28 to 38 °C	19.0	19.0	49.7	99.3	149.0
	232 °C	12.4	19.0	34.1	67.2	102.4
	427 °C	5.5	19.0	29.0	58.3	87.2
	538 °C	1.4	19.0	24.1	48.3	72.4
Outlet pressure limit Conventional design		19.0	19.0	19.0	19.0	41.4
		15.9	15.9	15.9	15.9	28.6
Body material: WC6 1.7357						
Pressure range p [bar] S/G/L						
Article numbers	-	-	5267.148^o	5267.149^o	5267.150^o	5267.151^o
Maximum set pressure	427 °C	-	35.2	70.0	105.2	175.2
	538 °C	-	14.8	29.7	44.8	74.5
Outlet pressure limit Conventional design		-	19.7	19.7	19.7	51.0
		-	15.9	15.9	15.9	28.6
Body material: LCB						
Pressure range p [bar] S/G/L						
Article numbers	5263.523^o	5263.524^o	5263.525^o	5263.526^o	5263.527^o	5263.528^o
Maximum set pressure	-46 to 38 °C	18.4	18.4	48.0	96.0	144.1
	200 °C	13.8	18.4	42.5	85.1	127.6
	343 °C	8.4	18.4	36.4	72.8	109.2
Outlet pressure limit Conventional design		18.4	18.4	18.4	18.4	48.0
		15.9	15.9	15.9	15.9	28.6

^o Please add code for the required cap or lifting device. See page 11.

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.

Type 526

Orifice H

Pressure temperature ratings

US units

Valve size	1 1/2 H 3	1 1/2 H 3	2 H 3	2 H 3	2 H 3	2 H 3
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]	1.11	1.11	1.11	1.11	1.11	1.11
Actual Orifice area A ₀ [inch ²]	0.975	0.975	0.975	0.975	0.975	0.975
Minimum set pressure [psig] S/G/L	3.0	3.0	4.0	4.0	4.0	4.0
Minimum set pressure [psig] S/G	46.4	46.4	94.3	94.3	94.3	94.3
Balanced bellows Inconel [psig] L	46.4	46.4	174.0	174.0	174.0	174.0
Body material: WCB 1.0619						
Pressure range p [psig] S/G/L						
Article numbers	5262.142^o	5262.143^o	5262.144^o	5262.145^o	5262.146^o	5262.147^o
Maximum set pressure	-20 to 100 °F	285	285	740	1480	2750
	450 °F	185	285	615	1235	2750
	800 °F	80	285	410	825	2060
Outlet pressure limit Conventional design	285	285	285	285	285	740
Outlet pressure limit Balanced bellows design	230	230	230	230	230	415
Body material: CF8M 1.4408						
Pressure range p [psig] S/G/L						
Article numbers	5264.152^o	5264.153^o	5264.154^o	5264.155^o	5264.156^o	5264.157^o
Maximum set pressure	-450 to -76 °F	275	275	720	1440	1600
	-75 to -21 °F	275	275	720	1440	2750
	-20 to 100 °F	275	275	720	1440	2750
	450 °F	180	275	495	975	2480
	800 °F	80	275	420	845	2110
	1000 °F	20	275	350	700	1750
Outlet pressure limit Conventional design	275	275	275	275	275	600
Outlet pressure limit Balanced bellows design	230	230	230	230	230	415
Body material: WC6 1.7357						
Pressure range p [psig] S/G/L						
Article numbers	-	-	5267.148^o	5267.149^o	5267.150^o	5267.151^o
Maximum set pressure	800 °F	-	510	1015	1525	2540
	1000 °F	-	215	430	650	1080
Outlet pressure limit Conventional design	-	-	285	285	285	740
Outlet pressure limit Balanced bellows design	-	-	230	230	230	415
Body material: LCB						
Pressure range p [psig] S/G/L						
Article numbers	5263.523^o	5263.524^o	5263.525^o	5263.526^o	5263.527^o	5263.528^o
Maximum set pressure	-50 to 100 °F	265	265	695	1395	2750
	400 °F	200	265	615	1230	2750
	650 °F	125	265	535	1065	2665
Outlet pressure limit Conventional design	265	265	265	265	265	695
Outlet pressure limit Balanced bellows design	230	230	230	230	230	415

^o) Please add code for the required cap or lifting device. See page 11.

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.