Type 526 IC

Flanged Safety Relief Valves
API Series

CATALOG

LESER

The-Safety-Valve.com

General Information

Overview

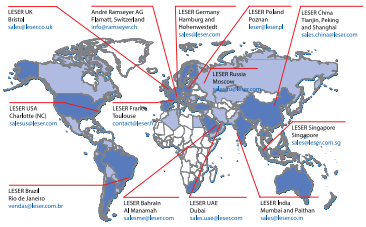
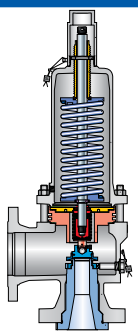
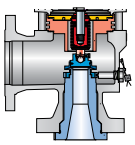
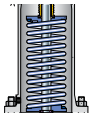
API safety valves (LESER Type 526 IC) are flanged safety valves that meet all the requirements of API 526 such as standardized orifices and center-to-face dimensions. Their robust construction makes them especially suitable for high pressures.

Type 526 IC Series safety valves present the safe solution for heavy duty applications, such as crude oil extraction, transportation and processing in

- Refineries
- Chemical industry
- Petrochemical industry
- Oil and gas – Onshore and Offshore
- Vessels and piping systems
- Blow-down systems
- Storage tank farms

Advantages

LESER Type 526 IC is a globally proven safety valve with German technology and it is available in a configuration especially for Indian requirements (Indian Configuration, IC). It represents an advanced design concept for API valves with the benefits shown in the table below.

	Feature	Function	Benefit
Worldwide global references			
	Recognition in the market	LESER API safety valves are used by leading companies worldwide	Satisfied users are proof that LESER fulfills the demands of leading companies for quality, delivery and price.
“Approved”	Approved by customers	LESER API valves are listed on the Approved Vendor Lists of more than 100 End Users and EPCs	
Reliable valve function			
	Durable Design	• Bellows are calculated for extended operating cycles and protected against turbulences during discharge by the bellows shield • Material combinations and surface treatment in guiding zones to avoid wear • The body is designed to be self-draining to avoid residues	Durable Design ensures the long-term reliable function of the safety valve and can lead to extended maintenance intervals
	Tight Finish	• Tightness better than API 527 • Optional soft seals for zero bubbles	For each application, there is a sealing concept to minimize medium loss and emissions
Low lifecycle costs			
	Single Trim	• Use of identical trim parts for gas, steam and liquid services. • No change of trim parts is necessary when changing the use of the safety valve.	Reduced number of spare parts
Services around the safety valve			
Quick supply	Quick and reliable supply chains	6 weeks delivery time ex works Paithan	Quick availability in India

LESER offers the full range of safety valves according to API 526 in India. Especially for the requirements of the Indian market, LESER offers a Country Configuration that is based on these requirements in the following areas:

- Approvals (UV, IBR and CCoE)
- Materials
- Delivery times (6 weeks ex works Paithan)

The following table shows the product range configuration:

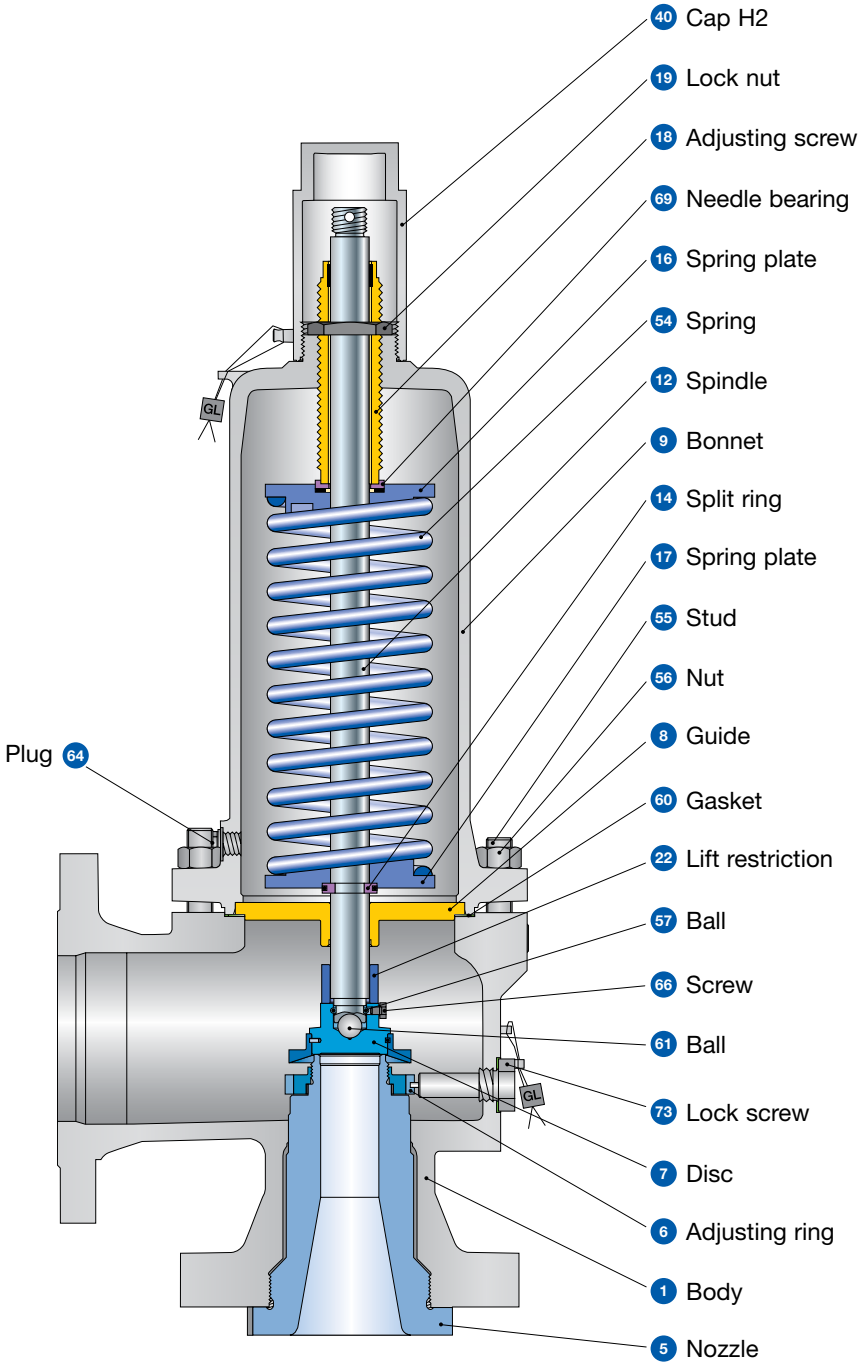
Type 526 IC Configuration	
Inlet flange pressure rating	CL 150 – CL 2500
Body material	WCB, CF8M, CF3M, LCB
Pressure range	0.3 – 414 bar
Size	1x2 – 8x10
Orifice	D-T
Overpressure	10%
Approvals	• UV stamp acc. to ASME Section VIII Division 1, National Board certified capacities • IBR Certificate Form III C (with attachment 8 where required) • Chief Controller of Explosives (CCoE/PESO)

ASME UV

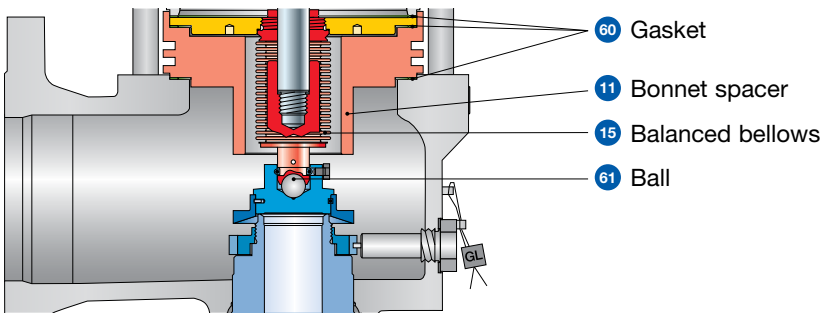
IBR CCoE

Type 526 IC

Conventional design



Balanced Bellows Design



Type 526 IC
Materials

Item	Component	Standard Service Trim: Standard	Corrosive Service Trim: Standard	Corrosive Service Trim: Standard	Low Temp. Service Trim: Standard
1	Body	SA 216 WCB	SA 351 CF8M	SA 351 CF3M	SA 352 LCB
5	Nozzle	SA 351 CF8M	SA 351 CF8M	SA 351 CF3M	SA 351 CF8M
6	Adjusting ring	CF8M	CF8M	CF8M	CF8M
7	Disc	316L	316L	316L	316L
8	Guide with bushing	WCB	CF8M	CF3M	CF8M
		316	–	–	–
9	Bonnet	SA 216 WCB	SA 351 CF8M	SA 351 CF3M	SA 352 LCB
12	Spindle	316L	316L	316L	316L
14	Split ring	316	316	316	316
16 / 17	Spring plate	Steel	316	316	Steel / 316
18	Adjusting screw	316	316	316	316
	with bushing	PTFE	PTFE	PTFE	PTFE
19	Lock nut	316	316	316	316
22	Lift restriction	316	316	316	316
40	Cap H2	WCB	CF8M	CF3M	CF8M
54	Spring	High temp. alloy steel	Stainless steel	Stainless steel	High temp. alloy steel / SS
55	Stud	B7	B8M	B8M	B8M
56	Nut	2H	8M	8M	8M
57	Ball	316	316	316	316
60	Gasket	Non Asb. / Graphite / 316L	Non Asb. / Graphite / 316L	Non Asb. / Graphite / 316L	Non Asb. / Graphite / 316L
61	Ball	316	316	316	316
64	Plug	316L	316L	316L	316L
66	Screw	SS	SS	SS	SS
69	Needle bearing	Steel	Steel	Steel	Steel
73	Lock screw	316L	316L	316L	316L

Balanced Bellows Design

11*	Bonnet spacer	Steel	316 / CF8M	316 / CF8M	316 / CF8M
15*	Bellows | End pieces	Inconel 625 | 316L	Inconel 625 | 316L	Inconel 625 | 316L	Inconel 625 | 316L

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

* Marked applicable for balanced bellows design.

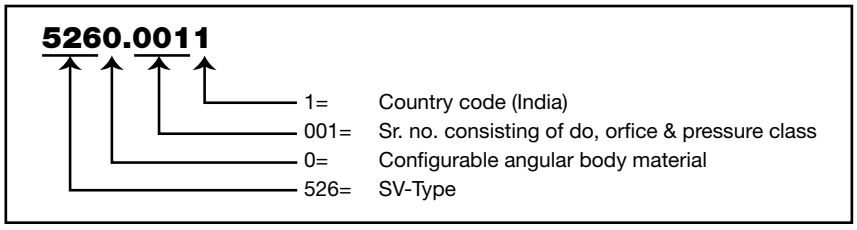
Type 526 IC

Article numbers

System for configuration

	Valve Type	Country Code	Body Material	do/Orifice	Pressure Rating Inlet	Pressure Rating Outlet	Lifting Device	Bonnet Open / Closed
Article-No.	X	X		X	X			
Configuration by option code			X		X	X	X	X

Example:



Type 526 IC country configuration India body materials WCB, CF8M, CF3M, LCB

Type 526 IC									
Type	Orifice	d0	PN_E						
			150	300L	300	600	900	1500	2500
5260	D	14	0011	use #300 valve	0031	0041	use #1500 valve	0061	0071
			1” X 2”				11/2” X 2”		11/2” X 3”
5260	E	14	0081	use #300 valve	0101	0111	use #1500 valve	0131	0141
			1” X 2”				11/2” X 2”		11/2” X 3”
5260	F	18	0151	0161	0171	0181	use #1500 valve	0201	0211
			11/2” X 2”		11/2” X 2”		11/2” X 3”		11/2” X 3”
5260	G	22.5	0221	0231	0241	0251	0261	0271	0281
			11/2” X 3”		11/2” X 3”		11/2” X 3”	2” X 3”	
5260	H	28.3	0291	0301	0311	0321	0331	0341	
			11/2” X 3”		2” X 3”	2” X 3”	2” X 3”		
5260	J	36	0351	0361	0371	0381	0391	0401	
			2” X 3”		3” X 4”		3” X 4”		
5260	K	43	0411	use #300 valve	0431	0441	0451	0461	
			3” X 4”			3” X 4”	3” X 6”		
5260	L	53.5	0471	0481	0491	0501	0511	0521	
			3” X 4”		4” X 6”	4” X 6”	4” X 6”		
5260	M	60.3	0531	use #300 valve	0551	0561	0571		
			4” X 6”			4” X 6”	4” X 6”		
5260	N	66	0581	use #300 valve	0601	0611	0621		
			4” X 6”			4” X 6”			
5260	P	80	0631	0641	0651	0661	0671		
			4” X 6”		4” X 6”				
5260	Q	105.5	0681	use #300 valve	0701	0711			
			6” X 8”						
5260	R	126.5	0721	0731	0741	0751			
			6” X 8”		6” X 10”				
5260	T	161.5	0761	use #300 valve	0781				
			8” X 10”						

Type 526 IC

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 2 300 x 150					105	114	30	440	465
	A_0 [mm²]	154	130	–	Ø 14	132	16						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 2 300 x 150					105	114	30	440	465
	A_0 [mm²]	154	130	–	Ø 14	132	16						130	–	Ø14	132	16
Valve size			1 ½ F 2					1 ½ F 2					1 ½ 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 [mm²]	254	162	–	Ø 14	148	16	162	–	Ø 14	148	16	162	–	Ø 14	148	16
Valve size			1 ½ G 3					1 ½ G 3					1 ½ 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 [mm²]	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 ½ H 3					1 ½ 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 [mm²]	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 [mm²]	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	d_0 [mm]	43.0	156	162	49	758	796	Please see 3 K 4 300 x 150					156	162	49	758	796
	A_0 [mm²]	1452	238	140	Ø 18	206	25						238	140	Ø 18	206	25
Flange rating class			150 x 150					300L x 150					300 x 150				
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 [mm²]	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 6 300 x 150					178	184	48	852	885
	A_0 [mm²]	2856	278	160	Ø 18	260	25						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 6 300 x 150					197	210	48	871	904
	A_0 [mm²]	3421	278	160	Ø 18	280	25						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 [mm²]	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 8 300 x 150					240	241	68	1120	1200
	A_0 [mm²]	8742	370	210	Ø 18	346	25						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 [mm²]	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 10 300 x 150					276	279	62	1462	1462
	A_0 [mm²]	20485	470	150	Ø 18	497	25						470	150	Ø 18	497	25

Type 526 IC

Dimensions

Metric units

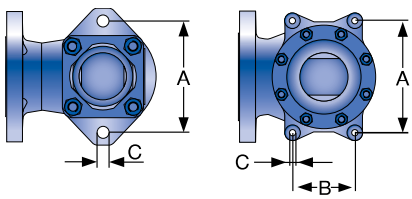
d_0 = Actual orifice diameter
A_0 = Actual orifice area

a	b	s	$H_{max.}$	$H_{max.}$ with bellows
A	B	C	D	E
600 x 150				
1 D 2				
105	114	30	440	465
130	–	Ø 14	132	16
1 E 2				
105	114	30	440	465
130	–	Ø 14	132	16
1 ½ F 2				
124	152	35	536	561
162	–	Ø 14	148	16
1 ½ G 3				
124	152	35	536	574
162	–	Ø 14	148	16
600 x 150				
2 H 3				
154	162	56	691	717
184	110	Ø 14	202	16
130	124	43	666	692
184	110	Ø 14	177	16
3 J 4				
184	181	49	786	824
238	140	Ø 18	234	25
3 K 4				
184	181	49	786	824
238	140	Ø 18	234	25
600 x 150				
4 L 6				
179	203	57	853	886
278	160	Ø 18	262	25
4 M 6				
178	203	56	852	885
278	160	Ø 18	260	25
4 N 6				
197	222	72	871	904
278	160	Ø 18	280	25
4 P 6				
225	254	62	1079	1138
370	210	Ø 18	306	25
6 Q 8				
240	241	68	1120[1]	1200[2]
370	210	Ø 18	346	25
6 R 10				
240	267	68	1426	1426
470	150	Ø 18	460	25
		–		
		–		
		–		

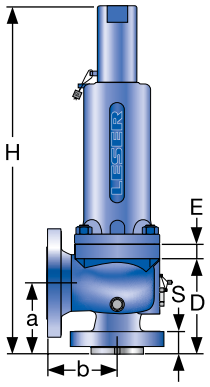
a	b	s	$H_{max.}$	$H_{max.}$ with bellows
A	B	C	D	E
900 x 300				
1 ½ D 2				
Please see 1 ½ D 2 1500 x 300				
1 ½ E 2				
Please see 1 ½ E 2 1500 x 300				
1 ½ F 3				
Please see 1 ½ F 3 1500 x 300				
1 ½ G 3				
124	165	44	560	573
162	–	Ø 14	174	16
900 x 150				
2 H 3				
154	162	56	691	717
184	110	Ø 14	202	16
3 J 4				
184	181	65	786	824
238	140	Ø 18	234	25
3 K 6				
198	216	67	880	880
278	160	Ø 18	288	25
900 x 150				
4 L 6				
197	222	72	871	904
278	160	Ø 18	280	25
4 M 6				
197	222	72	871	904
278	160	Ø 18	280	25
4 N 6				
197	222	72	871	904
278	160	Ø 18	280	25
4 P 6				
225	254	62	1079	1138
370	210	Ø 18	306	25

a	b	s	$H_{max.}$	$H_{max.}$ with bellows
A	B	C	D	E
1500 x 300				
1 ½ D 2				
105	140	44	517	542
162	–	Ø 14	129	16
1 ½ E 2				
105	140	44	517	542
162	–	Ø 14	129	16
1 ½ F 3				
124	165	44	560	560
162	–	Ø 14	174	16
2 G 3				
156	172	68	688	705
184	110	Ø 14	198	16
1500 x 300				
2 H 3				
154	162	56	691	717
184	110	Ø 14	202	16
3 J 4				
184	181	65	786	824
238	140	Ø 18	234	25
3 K 6				
197	216	65	879	879
278	160	Ø 18	287	25
1500 x 150				
4 L 6				
197	222	72	871	904
278	160	Ø 18	280	25

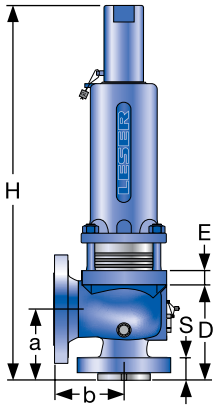
a	b	s	$H_{max.}$	$H_{max.}$ with bellows
A	B	C	D	E
2500 x 300				
1 ½ D 3				
140	178	57	576	576
162	–	Ø 14	189	16
1 ½ E 3				
140	178	57	576	576
162	–	Ø 14	189	16
1 ½ F 3				
140	178	57	576	576
162	–	Ø 14	189	16
2 G 3				
156	172	68	688	705
184	110	Ø 14	198	16



Support brackets



Conventional design



Balanced bellows design

[1] Type 526 IC high pressure design: 1202
[2] Type 526 IC high pressure design: 1282

Type 526 IC

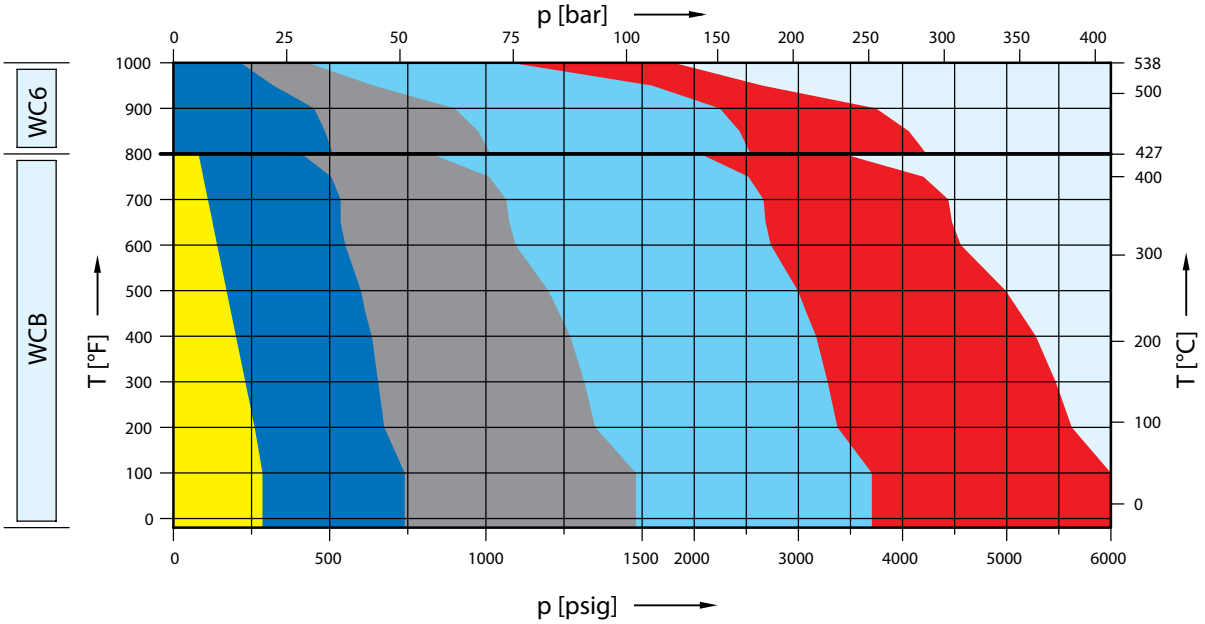
Weights

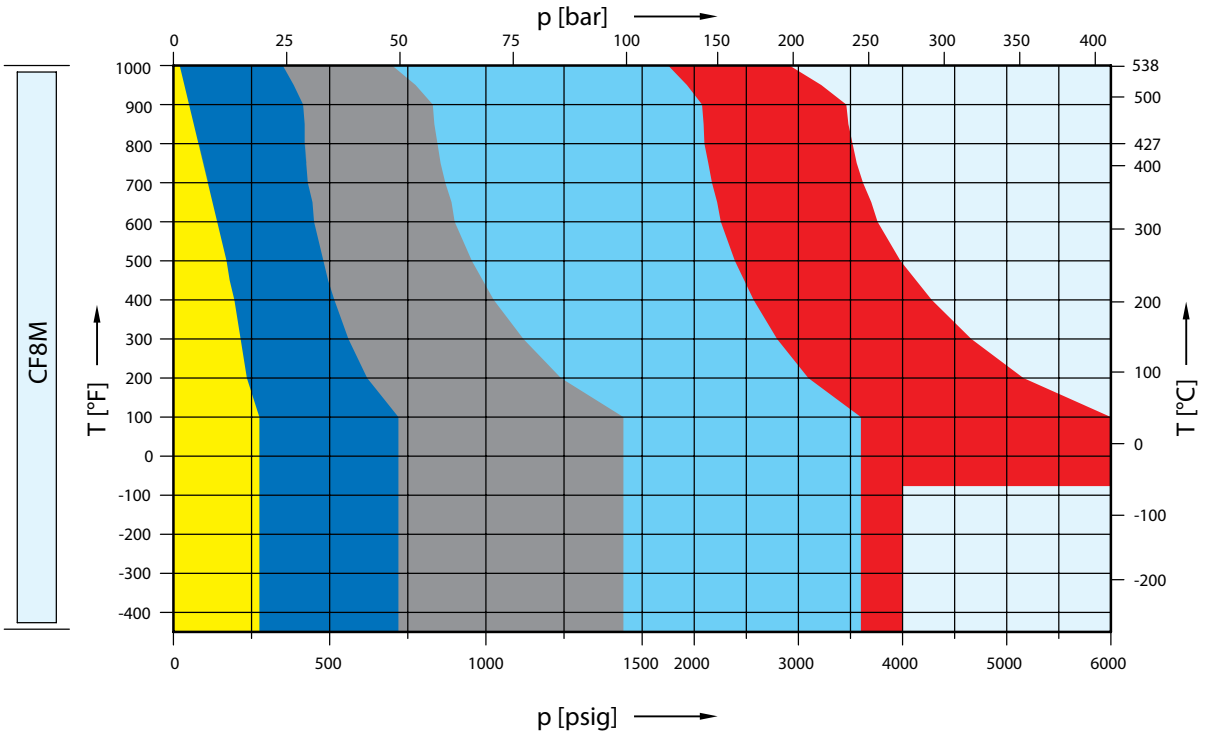
Metric units

	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 ½ D 2	1 ½ D 2	1 ½ 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
		1 E 2	1 E 2	1 E 2	1 E 2	1 ½ E 2	1 ½ E 2	1 ½ E 3
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
		1 ½ F 2	1 ½ F 2	1 ½ F 2	1 ½ F 2	1 ½ F 3	1 ½ F 3	1 ½ F 3
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
		1 ½ G 3	1 ½ G 3	1 ½ G 3	1 ½ G 3	1 ½ G 3	2 G 3	2 G 3
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 ½ H 3	1 ½ 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	
		2 J 3	2 J 3	3 J 4	3 J 4	3 J 4	3 J 4	
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	
		3 K 4	3 K 4	3 K 4	3 K 4	3 K 6	3 K 6	
K					Other / WC6			
	Weight [kg]	70.1	70.1	70.1	77.7 / 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	
		4 M 6	4 M 6	4 M 6	4 M 6	4 M 6		
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		
		4 N 6	4 N 6	4 N 6	4 N 6	4 N 6		
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		
		4 P 6	4 P 6	4 P 6	4 P 6	4 P 6		
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		
		6 Q 8	6 Q 8	6 Q 8	6 Q 8			
Q	Weight [kg]	221.0	221.0	221.0	221.0			
	with bellows [kg]	230.0	230.0	230.0	230.0			
		6 R 8	6 R 8	6 R 10	6 R 10			
R	Weight [kg]	221.0	221.0	277.0	277.0			
	with bellows [kg]	230.0	230.0	288.0	288.0			
		8 T 10	8 T 10	8 T 10				
T	Weight [kg]	287.0	287.0	287.0				
	with bellows [kg]	298.0	298.0	298.0				

Type 526 IC
Orifice D
Selection charts

	150 x 150	300L x 150	300 x 150	600 x 150	900 x 300	1500 x 300	2500 x 300
WCB	5260.0011	use #300 valve	5260.0031	5260.0041	use #1500 valve	5260.0061	5260.0071
SIZE	1″ X 2″	1″ X 2″	1″ X 2″	1″ X 2″	11/2″ X 2″	11/2″ X 2″	11/2″ X 3″





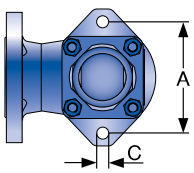
Type 526 IC
Orifice D
Article numbers, dimensions and weights

Article numbers	5260.0011	Use 1 D 2 300 x 150	5260.0031	5260.0041	Use 1 1/2 D 2 1500 x 300	5260.0061	5260.0071
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
Flange rating class Inlet x Outlet	150 x 150	300L x 150	300 x 150	600 x 150	900 x 300	1500 x 300	2500 x 300
Actual Orifice diameter d_0 [mm]	14.0	14.0	14.0	14.0	14.0	14.0	14.0
Actual Orifice area A_0 [mm²]	154	154	154	154	154	154	154

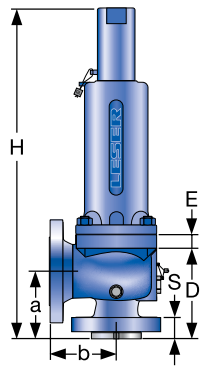
Dimensions and weights

Metric units								
Weight [kg]		17.3	Use 1 D 2 300 x 150	17.3	17.3	Use 1 1/2 D 2 1500 x 300	31.1	41.8
	with bellows	18.4		18.4	18.4		33.1	44.6
Center to face [mm]	Inlet a	105		105	105		105	140
	Outlet b	114		114	114		140	178
	s	30		30	30		44	57
Height (H4) [mm]	Standard H max.	440		440	440		517	576
	Bellows H max.	465		465	465		542	576
Support brackets [mm]	A	130		130	130		162	162
	B	–		–	–		–	–
	C	Ø 14		Ø 14	Ø 14		Ø 14	Ø 14
	D	132		132	132		129	189
	E	16		16	16		16	16
US units								
Weight [lbs]		38.1	Use 1 D 2 300 x 150	38.1	38.1	Use 1 1/2 D 2 1500 x 300	68.6	92.2
	with bellows	40.6		40.6	40.6		73	98.3
Center to face [inch]	Inlet a	4 1/8		4 1/8	4 1/8		4 1/8	5 1/2
	Outlet b	4 1/2		4 1/2	4 1/2		5 1/2	7
	s	1 3/16		1 3/16	1 3/16		1 3/4	2 1/4
Height (H4) [inch]	Standard H max.	17 5/16		17 5/16	17 5/16		20 11/32	22 11/16
	Bellows H max.	18 5/16		18 5/16	18 5/16		21 11/32	22 11/16
Support brackets [inch]	A	5 1/8		5 1/8	5 1/8		6 3/8	6 3/8
	B	–		–	–		–	–
	C	Ø 9/16		Ø 9/16	Ø 9/16		Ø 9/16	Ø 9/16
	D	5 7/32		5 7/32	5 7/32		5 7/32	7 15/32
	E	5/8		5/8	5/8		5/8	5/8

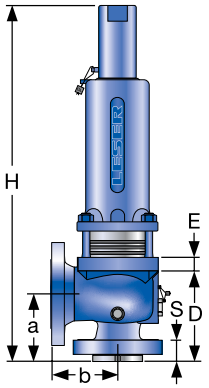
Code for lifting device		
Lifting device	**H2**	**H4**
Bonnet	closed	closed
WCB, WC6, LCB	2	4
CF8M, CF3M	2	4



Support brackets



Conventional design



Balanced bellows design

Type 526 IC
Orifice D
Pressure temperature ratings
Metric units

Article numbers		5260.0011	-	5260.0031	5260.0041	-	5260.0061	5260.0071
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
Flange rating class Inlet x Outlet		150 x 150	300L x 150	300 x 150	600 x 150	900 x 300	1500 x 300	2500 x 300
Actual Orifice diameter d_0 [mm]		14.0	14.0	14.0	14.0	14.0	14.0	14.0
Actual Orifice area A_0 [mm²]		154	154	154	154	154	154	154
Minimum set pressure [bar] S/G/L		0.3	0.3	0.3	0.3	5.0	5.0	18.5
Minimum set pressure [bar] S/G		3.5	3.5	3.5	11.0	24.0	24.0	24.0
Balanced bellows Inconel [bar] L		3.5	3.5	3.5	11.0	11.0	11.0	11.0
Body material: WCB				**Pressure range p [bar] S/G/L**				
Maximum set pressure	-29 to 38 °C	19.7	Use 1 D 2 300 x 150	51.0	102.1	Use 1 $^1/_2$ D 2 1500 x 300	255.5	413.8
	232 °C	12.8		42.4	85.2		212.4	354.1
	427 °C	5.5		28.3	56.9		142.1	236.6
Outlet pressure limit Conventional design		19.7		19.7	19.7		41.4	51.0
Outlet pressure limit Balanced bellows design		15.9		15.9	15.9		34.5	34.5
Body material: CF8M / CF3M*				**Pressure range p [bar] S/G/L**				
Maximum set pressure	-268 to -60 °C	19.0	Use 1 D 2 300 x 150	49.7	99.3	Use 1 $^1/_2$ D 2 1500 x 300	248.3	275.9
	-59 to -29 °C	19.0		49.7	99.3		248.3	413.8
	-28 to 38 °C	19.0		49.7	99.3		248.3	413.8
	232 °C	12.4		34.1	68.3		171.0	284.8
	427 °C	5.5		29.0	58.3		145.5	242.8
	538 °C	1.4		24.1	48.3		120.7	201.0
Outlet pressure limit Conventional design		19.0		19.0	19.0		41.4	49.7
Outlet pressure limit Balanced bellows design		15.9		15.9	15.9		34.5	34.5
Body material: WC6				**Pressure range p [bar] S/G/L**				
Maximum set pressure	427 °C	–	Use 1 D 2 300 x 150	35.2	70.0	Use 1 $^1/_2$ D 2 1500 x 300	175.2	291.7
	538 °C	–		14.8	29.7		74.5	124.1
Outlet pressure limit Conventional design		–		19.7	19.7		41.4	51.0
Outlet pressure limit Balanced bellows design		–		15.9	15.9		34.5	34.5
Body material: LCB				**Pressure range p [bar] S/G/L**				
Maximum set pressure	-46 to 38 °C	18.4	Use 1 D 2 300 x 150	48.0	96.0	Use 1 $^1/_2$ D 2 1500 x 300	240.1	400.1
	200 °C	13.8		42.5	85.1		212.7	354.4
	343 °C	8.4		36.4	72.8		182.0	303.3
Outlet pressure limit Conventional design		18.4		18.4	18.4		41.4	48.0
Outlet pressure limit Balanced bellows design		15.9		15.9	15.9		34.5	34.5

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.

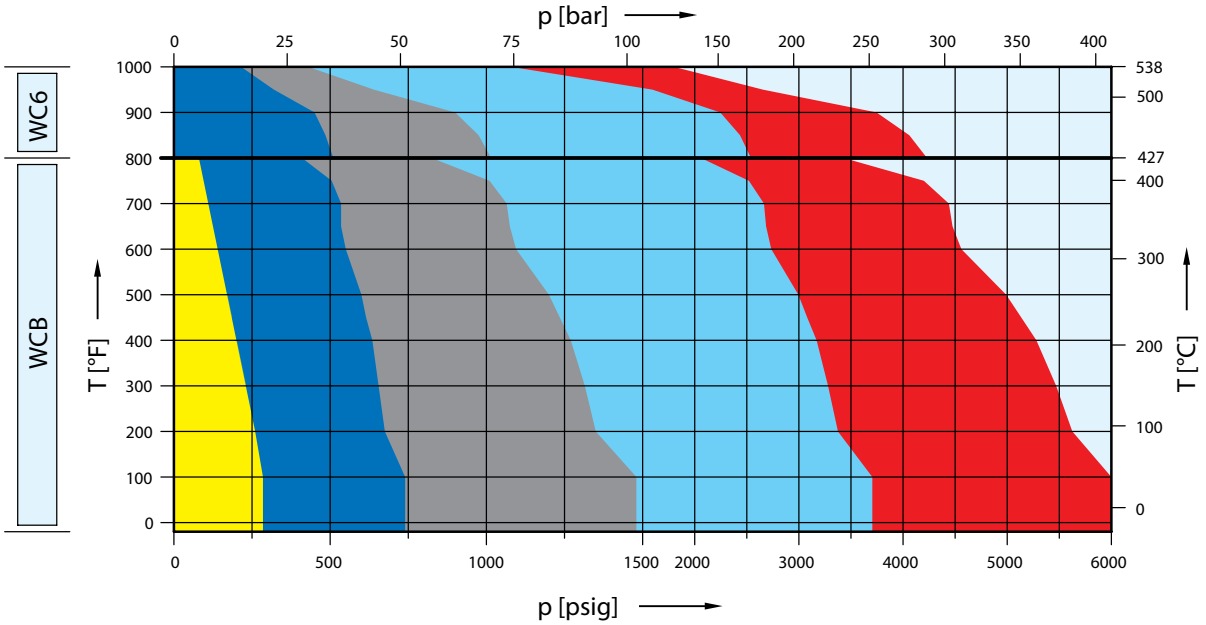
* Pressure- Temperature Rating acc. to API 526 and ASME B 16.34 Table 2-2.2

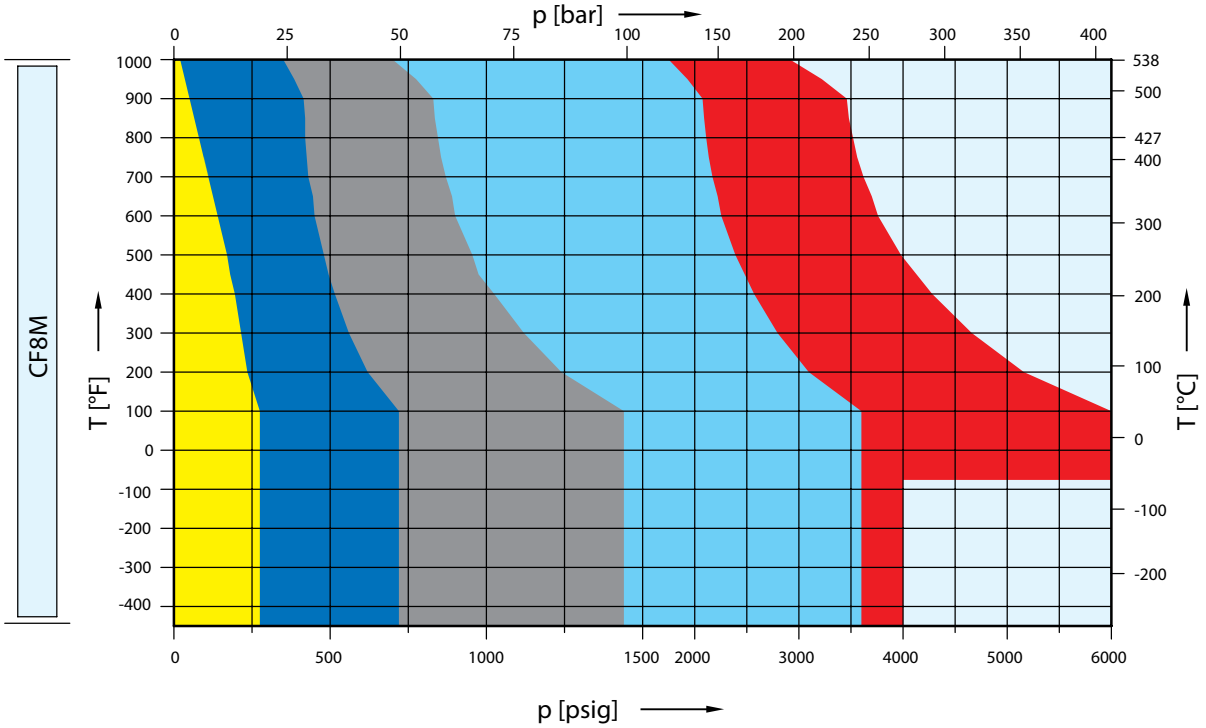
Type 526 IC

Orifice E

Selection charts

	150 x 150	300L x 150	300 x 150	600 x 150	900 x 300	1500 x 300	2500 x 300
WCB	5260.0081	use #300 valve	5260.0101	5260.0111	use #1500 valve	5260.0131	5260.0141
SIZE	1″ X 2″	1″ X 2″	1″ X 2″	1″ X 2″	11/2″ X 2″	11/2″ X 2″	11/2″ X 3″





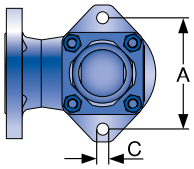
Type 526 IC
Orifice E
Article numbers, dimensions and weights

Article numbers		5260.0081	Use 1 E 2 300 x 150	5260.0101	5260.0111	Use 1 ½ E 2 1500 x 300	5260.0131	5260.0141
Valve size		1 E 2	1 E 2	1 E 2	1 E 2	1 ½ E 2	1 ½ E 2	1 ½ E 3
Flange rating class Inlet x Outlet		150 x 150	300L x 150	300 x 150	600 x 150	900 x 300	1500 x 300	2500 x 300
Actual Orifice diameter d_0 [mm]		14.0	14.0	14.0	14.0	14.0	14.0	14.0
Actual Orifice area A_0 [mm²]		154	154	154	154	154	154	154

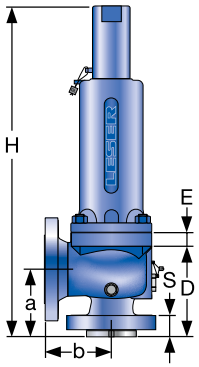
Dimensions and weights

Metric units								
Weight [kg]		17.3	Use 1 E 2 300 x 150	17.3	17.3	Use 1 ½ E 2 1500 x 300	31.1	41.8
	with bellows	18.4		18.4	18.4		33.1	44.6
Center to face [mm]	Inlet a	105		105	105		105	140
	Outlet b	114		114	114		140	178
	s	30		30	30		44	57
Height (H4) [mm]	Standard H max.	440		440	440		517	576
	Bellows H max.	465		465	465		542	576
Support brackets [mm]	A	130		130	130		162	162
	B	–		–	–		–	–
	C	Ø 14		Ø 14	Ø 14		Ø 14	Ø 14
	D	132		132	132		129	189
	E	16		16	16		16	16
US units								
Weight [lbs]		38.1	Use 1 E 2 300 x 150	38.1	38.1	Use 1 ½ E 2 1500 x 300	68.6	92.2
	with bellows	40.6		40.6	40.6		73	98.3
Center to face [inch]	Inlet a	4 1/8		4 1/8	4 1/8		4 1/8	5 1/2
	Outlet b	4 1/2		4 1/2	4 1/2		5 1/2	7
	s	1 3/16		1 3/16	1 3/16		1 3/4	2 1/4
Height (H4) [inch]	Standard H max.	17 5/16		17 5/16	17 5/16		20 11/32	22 11/16
	Bellows H max.	18 5/16		18 5/16	18 5/16		21 11/32	22 11/16
Support brackets [inch]	A	5 1/8		5 1/8	5 1/8		6 3/8	6 3/8
	B	–		–	–		–	–
	C	Ø 9/16		Ø 9/16	Ø 9/16		Ø 9/16	Ø 9/16
	D	5 7/32		5 7/32	5 7/32		5 7/32	7 15/32
	E	5/8		5/8	5/8		5/8	5/8

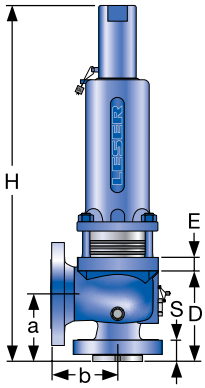
Code for lifting device		
Lifting device	**H2**	**H4**
Bonnet	closed	closed
WCB, WC6, LCB	2	4
CF8M, CF3M	2	4



Support brackets



Conventional design



Balanced bellows design

Type 526 IC

Orifice E
Pressure temperature ratings
Metric units

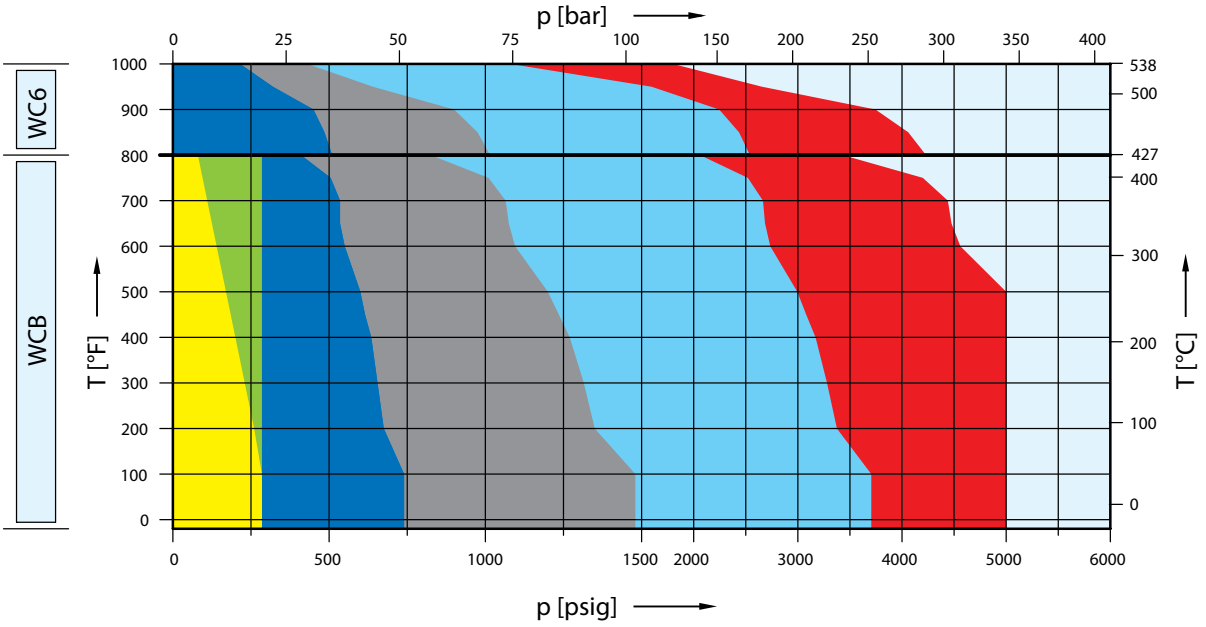
Article numbers		5260.0081	-	5260.0101	5260.0111	-	5260.0131	5260.0141
Valve size		1 E 2	1 E 2	1 E 2	1 E 2	1 ½ E 2	1 ½ E 2	1 ½ E 3
Flange rating class Inlet x Outlet		150 x 150	300L x 150	300 x 150	600 x 150	900 x 300	1500 x 300	2500 x 300
Actual Orifice diameter d_0 [mm]		14.0	14.0	14.0	14.0	14.0	14.0	14.0
Actual Orifice area A_0 [mm²]		154	154	154	154	154	154	154
Minimum set pressure [bar] S/G/L		0.3	0.3	0.3	0.3	5.0	5.0	18.5
Minimum set pressure [bar] S/G		3.5	3.5	3.5	11.0	24.0	24.0	24.0
Balanced bellows Inconel [bar] L		3.5	3.5	3.5	11.0	11.0	11.0	11.0
Body material: WCB				**Pressure range p [bar] S/G/L**				
Maximum set pressure	-29 to 38 °C	19.7	Use 1 E 2 300 x 150	51.0	102.1	Use 1 ½ E 2 1500 x 300	255.5	413.8
	232 °C	12.8		42.4	85.2		212.4	354.1
	427 °C	5.5		28.3	56.9		142.1	236.6
Outlet pressure limit Conventional design		19.7		19.7	19.7		41.4	51.0
Outlet pressure limit Balanced bellows design		15.9		15.9	15.9		34.5	34.5
Body material: CF8M / CF3M*				**Pressure range p [bar] S/G/L**				
Maximum set pressure	-268 to -60 °C	19.0	Use 1 E 2 300 x 150	49.7	99.3	Use 1 ½ E 2 1500 x 300	248.3	275.9
	-59 to -29 °C	19.0		49.7	99.3		248.3	413.8
	-28 to 38 °C	19.0		49.7	99.3		248.3	413.8
	232 °C	12.4		34.1	67.2		171.0	284.8
	427 °C	5.5		29.0	58.3		145.5	242.8
	538 °C	1.4		24.1	48.3		120.7	201.0
Outlet pressure limit Conventional design		19.0		19.0	19.0		41.4	49.7
Outlet pressure limit Balanced bellows design		15.9		15.9	15.9		34.5	34.5
Body material: WC6				**Pressure range p [bar] S/G/L**				
Maximum set pressure	427 °C	–	Use 1 E 2 300 x 150	35.2	70.0	Use 1 ½ E 2 1500 x 300	175.2	291.7
	538 °C	–		14.8	29.7		74.5	124.1
Outlet pressure limit Conventional design		–		19.7	19.7		41.4	51.0
Outlet pressure limit Balanced bellows design		–		15.9	15.9		34.5	34.5
Body material: LCB				**Pressure range p [bar] S/G/L**				
Maximum set pressure	-46 to 38 °C	18.4	Use 1 E 2 300 x 150	48.0	96.0	Use 1 ½ E 2 1500 x 300	240.1	400.1
	200 °C	13.8		42.5	85.1		212.7	354.4
	343 °C	8.4		36.4	72.8		182.0	303.3
Outlet pressure limit Conventional design		18.4		18.4	18.4		41.4	48.0
Outlet pressure limit Balanced bellows design		15.9		15.9	15.9		34.5	34.5

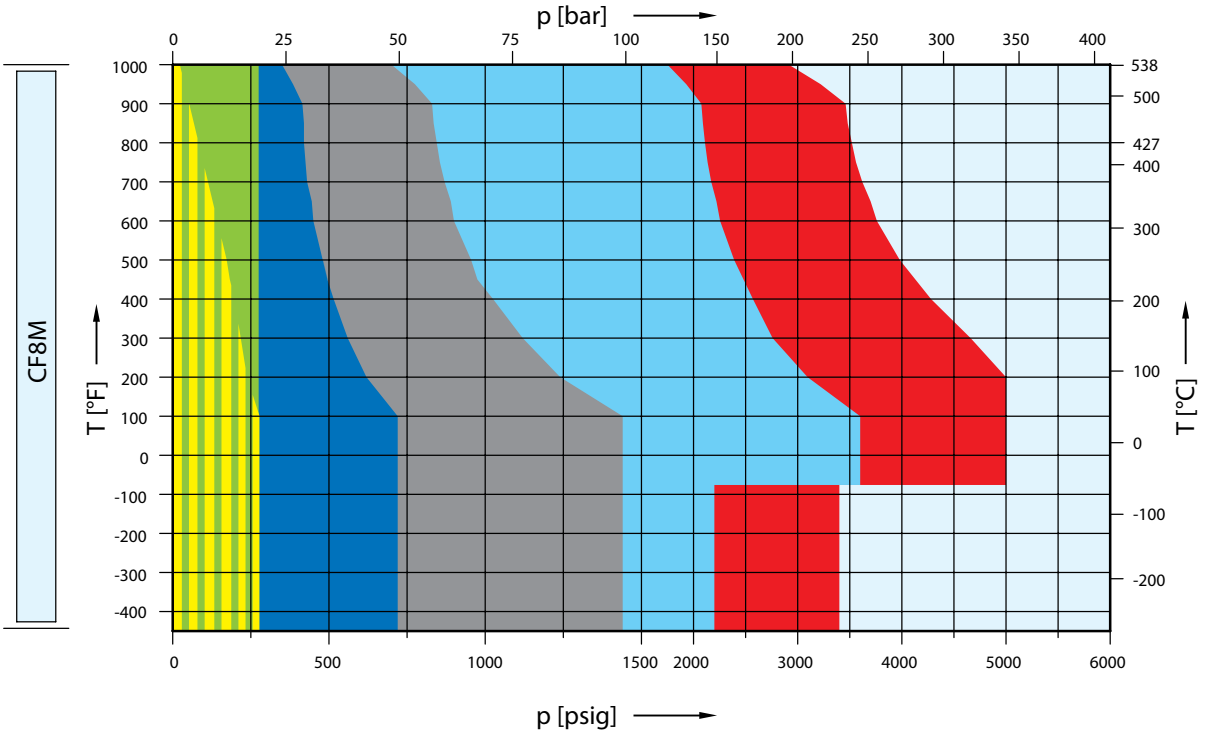
Remark: SA 352 Gr. LCB is not listed in the API 526. Pressure-Temperature Rating acc. to ASME B16.34 Table 2-1.3
The stated Pressure-Temperature Rating are taken from ASME B16.34 Table 2-1.3 if the maximum pressure is not limited by API 526.

* Pressure- Temperature Rating acc. to API 526 and ASME B 16.34 Table 2-2.2

Type 526 IC
Orifice F
Selection charts

	150 x 150	300L x 150	300 x 150	600 x 150	900 x 300	1500 x 300	2500 x 300
WCB	5260.0151	5260.0161	5260.0171	5260.0181	use #1500 valve	5260.0201	5260.0211
SIZE	11/2" X 2"	11/2" X 2"	11/2" X 2"	11/2" X 2"	11/2" X 3"	11/2" X 3"	11/2" X 3"





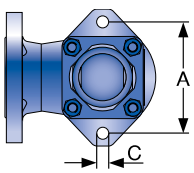
Type 526 IC
Orifice F
Article numbers, dimensions and weights

Article numbers	5260.0151	5260.0161	5260.0171	5260.0181	Use 1 1/2 F 2 1500 x 300	5260.0201	5260.0211
Valve size	1 1/2 F 2	1 1/2 F 2	1 1/2 F 2	1 1/2 F 2	1 1/2 F 3	1 1/2 F 3	1 1/2 F 3
Flange rating class Inlet x Outlet	150 x 150	300L x 150	300 x 150	600 x 150	900 x 300	1500 x 300	2500 x 300
Actual Orifice diameter d_0 [mm]	18.0	18.0	18.0	18.0	18.0	18.0	18.0
Actual Orifice area A_0 [mm²]	254	254	254	254	254	254	254

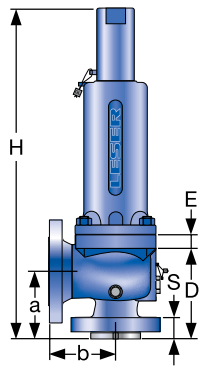
Dimensions and weights

Metric units								
Weight [kg]		30.6	30.6	32.5	32.5	Use 1 1/2 F 2 1500 x 300	36.3	41.8
	with bellows	33.1	33.1	35	35		38.6	44.6
Center to face [mm]	Inlet a	124	124	124	124		124	140
	Outlet b	121	121	152	152		165	178
	s	32	32	35	35		44	57
Height (H4) [mm]	Standard H max.	536	536	536	536		560	576
	Bellows H max.	561	561	561	561		560	576
Support brackets [mm]	A	162	162	162	162		162	162
	B	–	–	–	–		–	–
	C	Ø 14		Ø 14	Ø 14		Ø 14	Ø 14
	D	148	148	148	148		174	189
	E	16	16	16	16		16	16
US units								
Weight [lbs]		67.5	67.5	71.1	71.1	Use 1 1/2 F 2 1500 x 300	80	92.2
	with bellows	73	73	77.2	77.2		85.1	98.3
Center to face [inch]	Inlet a	4 7/8	4 7/8	4 7/8	4 7/8		4 7/8	5 1/2
	Outlet b	4 3/4	4 3/4	6	6		6 1/2	7
	s	1 1/4	1 1/4	1 13/32	1 13/32		1 3/4	2 1/4
Height (H4) [inch]	Standard H max.	21 3/32	21 3/32	21 3/32	21 3/32		22 1/16	22 11/16
	Bellows H max.	22 3/32	22 3/32	22 3/32	22 3/32		22 1/16	22 11/16
Support brackets [inch]	A	6 3/8	6 3/8	6 3/8	6 3/8		6 3/8	6 3/8
	B	–	–	–	–		–	–
	C	Ø 9/16	Ø 9/16	Ø 9/16	Ø 9/16		Ø 9/16	Ø 9/16
	D	5 27/32	5 27/32	5 27/32	5 27/32		6 27/32	6 27/32
	E	5/8	5/8	5/8	5/8		5/8	5/8

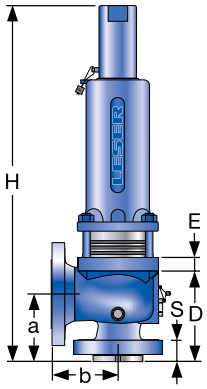
Code for lifting device		
Lifting device	**H2**	**H4**
Bonnet	closed	closed
WCB, WC6, LCB	2	4
CF8M, CF3M	2	4



Support brackets



Conventional design



Balanced bellows design

Type 526 IC
Orifice F
Pressure temperature ratings
Metric units

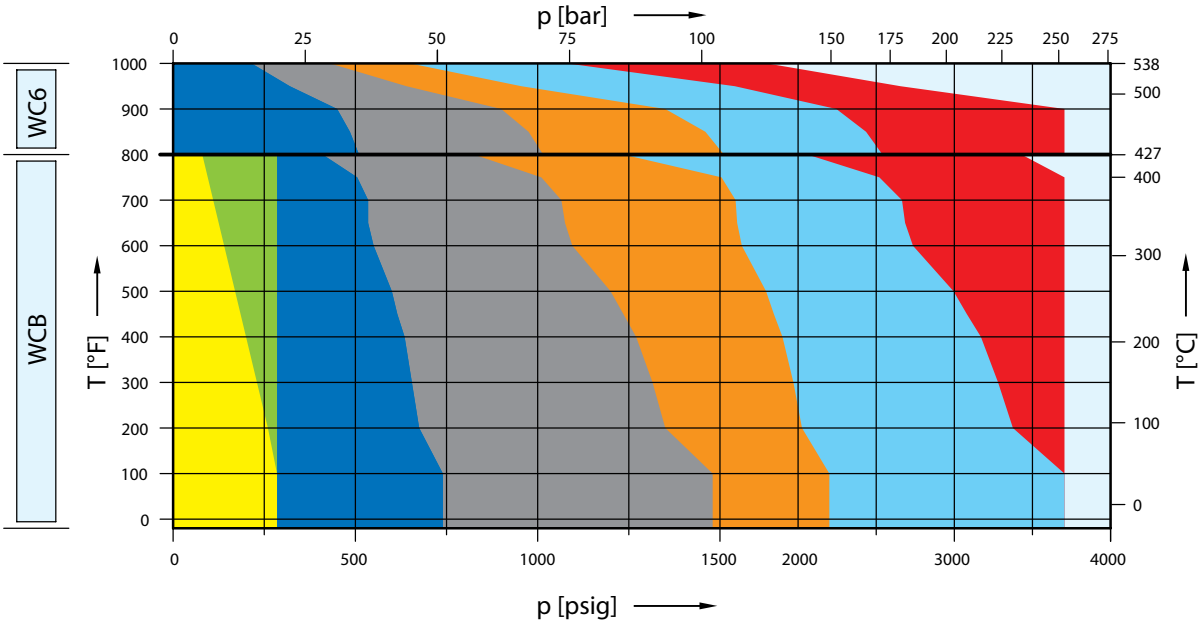
Article numbers		5260.0151	5260.0161	5260.0171	5260.0181	-	5260.0201	5260.0211
Valve size		1 1/2 F 2	1 1/2 F 2	1 1/2 F 2	1 1/2 F 2	1 1/2 F 3	1 1/2 F 3	1 1/2 F 3
Flange rating class Inlet x Outlet		150 x 150	300L x 150	300 x 150	600 x 150	900 x 300	1500 x 300	2500 x 300
Actual Orifice diameter d_0 [mm]		18.0	18.0	18.0	18.0	18.0	18.0	18.0
Actual Orifice area A_0 [mm²]		254	254	254	254	254	254	254
Minimum set pressure [bar] S/G/L		0.3	0.3	0.3	0.3	0.3	0.3	0.3
Minimum set pressure [bar] S/G		1.7	1.7	1.7	12.0	12.0	12.0	13.5
Balanced bellows Inconel [bar] L		2.5	2.5	2.5	8.2	8.2	8.2	8.2
Body material: WCB		**Pressure range p [bar] S/G/L**						
Maximum set pressure	-29 to 38 °C	19.7	19.7	51.0	102.1	Use 1 1/2 F 3 1500 x 300	255.5	344.8
	232 °C	12.8	19.7	42.4	85.2		212.4	344.8
	427 °C	5.5	19.7	28.3	56.9		142.1	236.6
Outlet pressure limit Conventional design		19.7	19.7	19.7	19.7		51.0	51.0
Outlet pressure limit Balanced bellows design		15.9	15.9	15.9	15.9		34.5	34.5
Body material: CF8M / CF3M*		**Pressure range p [bar] S/G/L**						
Maximum set pressure	-268 to -60 °C	19.0	19.0	49.7	99.3	Use 1 1/2 F 3 1500 x 300	151.7	234.5
	-59 to -29 °C	19.0	19.0	49.7	99.3		248.3	344.8
	-28 to 38 °C	19.0	19.0	49.7	99.3		248.3	344.8
	232 °C	12.4	19.0	34.1	67.2		171.0	284.8
	427 °C	5.5	19.0	29.0	58.3		145.5	242.8
	538 °C	1.4	19.0	24.1	48.3		120.7	201.0
Outlet pressure limit Conventional design		19.0	19.0	19.0	19.0		49.7	49.7
Outlet pressure limit Balanced bellows design		15.9	15.9	15.9	15.9		34.5	34.5
Body material: WC6		**Pressure range p [bar] S/G/L**						
Maximum set pressure	427 °C	–	–	35.2	70.0	Use 1 1/2 F 3 1500 x 300	175.2	291.7
	538 °C	–	–	14.8	29.7		74.5	124.1
Outlet pressure limit Conventional design		–	–	19.7	19.7		51.0	51.0
Outlet pressure limit Balanced bellows design		–	–	15.9	15.9		34.5	34.5
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	Use 1 1/2 F 3 1500 x 300	240.1	344.8
	200 °C	13.8	18.4	42.5	85.1		212.7	344.8
	343 °C	8.4	18.4	36.4	72.8		182.0	303.3
Outlet pressure limit Conventional design		18.4	18.4	18.4	18.4		48.0	48.0
Outlet pressure limit Balanced bellows design		15.9	15.9	15.9	15.9		34.5	34.5

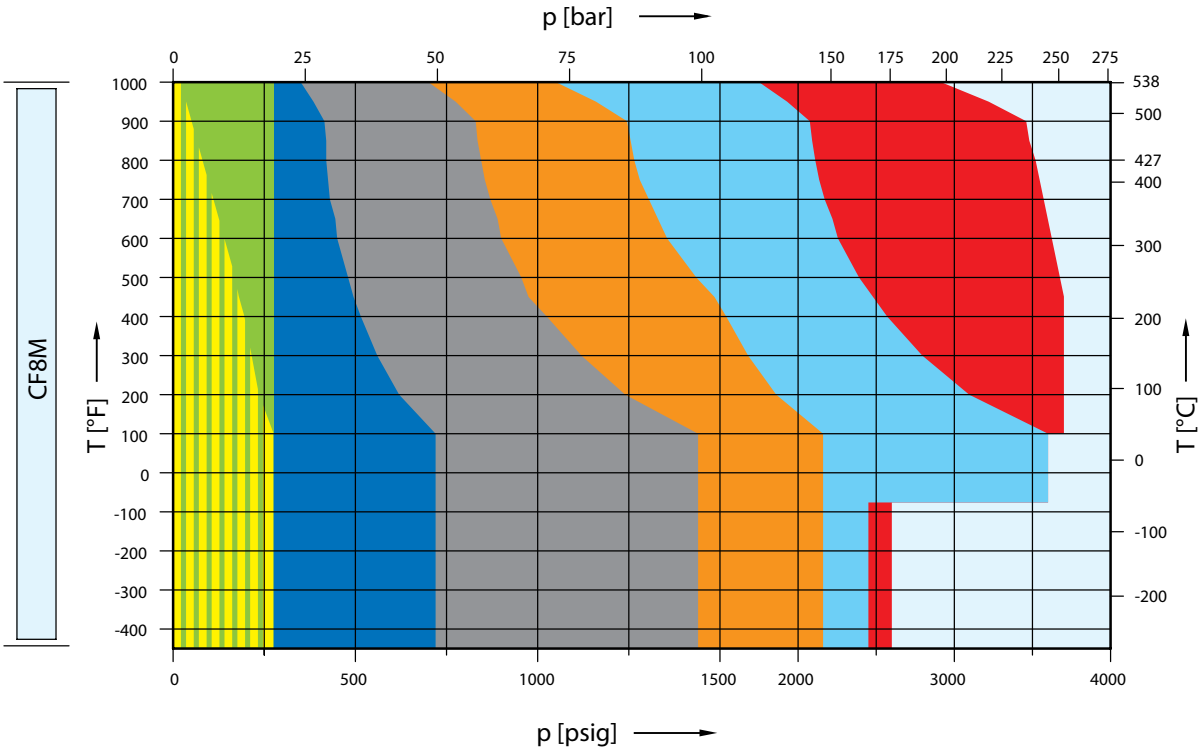
Remark: SA 352 Gr. LCB is not listed in the API 526. Pressure-Temperature Rating acc. to ASME B16.34 Table 2-1.3
The stated Pressure-Temperature Rating are taken from ASME B16.34 Table 2-1.3 if the maximum pressure is not limited by API 526.

* Pressure- Temperature Rating acc. to API 526 and ASME B 16.34 Table 2-2.2

Type 526 IC
Orifice G
Selection charts

	150 x 150	300L x 150	300 x 150	600 x 150	900 x 300	1500 x 300	2500 x 300
WCB	5260.0221	5260.0231	5260.0241	5260.0251	5260.0261	5260.0271	5260.0281
SIZE	11/2" X 3"	11/2" X 3"	11/2" X 3"	11/2" X 3"	11/2" X 3"	2" X 3"	2" X 3"





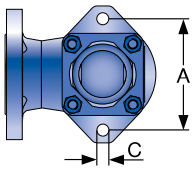
Type 526 IC
Orifice G
Article numbers, dimensions and weights

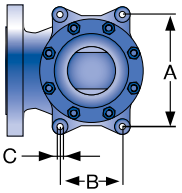
Article numbers		5260.0221	5260.0231	5260.0241	5260.0251	5260.0261	5260.0271	5260.0281
	Valve size	1 1/2 G 3	1 1/2 G 3	1 1/2 G 3	1 1/2 G 3	1 1/2 G 3	2 G 3	2 G 3
	Flange rating class Inlet x Outlet	150 x 150	300L x 150	300 x 150	600 x 150	900 x 300	1500 x 300	2500 x 300
	Actual Orifice diameter d_0 [mm]	22.5	22.5	22.5	22.5	22.5	22.5	22.5
	Actual Orifice area A_0 [mm²]	398	398	398	398	398	398	398

Dimensions and weights

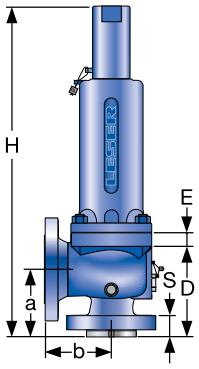
Metric units								
Weight [kg]		30.6	30.6	32.5	32.5	36.3	69.9	69.9
	with bellows	33.1	33.1	35	35	38.6	72.5	72.5
Center to face [mm]	Inlet a	124	124	124	124	124	156	156
	Outlet b	121	121	152	152	165	172	172
	s	32	32	35	35	44	68	68
Height (H4) [mm]	Standard H max.	536	536	536	536	560	688	688
	Bellows H max.	574	574	574	574	573	705	705
Support brackets [mm]	A	162	162	162	162	162	184	184
	B	–	–	–	–	–	110	110
	C	Ø 14	Ø 14	Ø 14	Ø 14	Ø 14	Ø 14	Ø 14
	D	148	148	148	148	174	198	198
	E	16	16	16	16	16	16	16
US units								
Weight [lbs]		67.5	67.5	71.7	71.7	80	154.1	154.1
	with bellows	73	73	77.2	77.2	85	159.9	159.9
Center to face [inch]	Inlet a	4 7/8	4 7/8	4 7/8	4 7/8	4 7/8	6 1/8	6 1/8
	Outlet b	4 3/4	4 3/4	6	6	6 1/2	6 3/4	6 3/4
	s	1 1/4	1 1/4	1 13/32	1 13/32	1 3/4	2 11/16	2 11/16
Height (H4) [inch]	Standard H max.	21 3/32	21 3/32	21 3/32	21 3/32	22 1/16	27 3/32	27 3/32
	Bellows H max.	22 19/32	22 19/32	22 19/32	22 19/32	22 9/16	27 3/4	27 3/4
Support brackets [inch]	A	6 3/8	6 3/8	6 3/8	6 3/8	6 3/8	7 1/4	7 1/4
	B	–	–	–	–	–	4 11/32	4 11/32
	C	Ø 9/16	Ø 9/16	Ø 9/16	Ø 9/16	Ø 9/16	Ø 9/16	Ø 9/16
	D	5 27/32	5 27/32	5 27/32	5 27/32	6 27/32	7 13/16	7 13/16
	E	5/8	5/8	5/8	5/8	5/8	5/8	5/8

Code for lifting device		
Lifting device	**H2**	**H4**
Bonnet	closed	closed
WCB, WC6, LCB	2	4
CF8M, CF3M	2	4

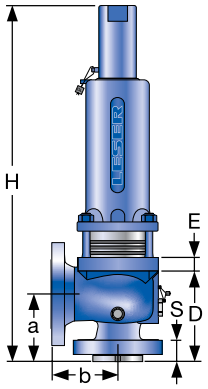




Support brackets



Conventional design



Balanced bellows design

Type 526 IC
Orifice G
Pressure temperature ratings
Metric units

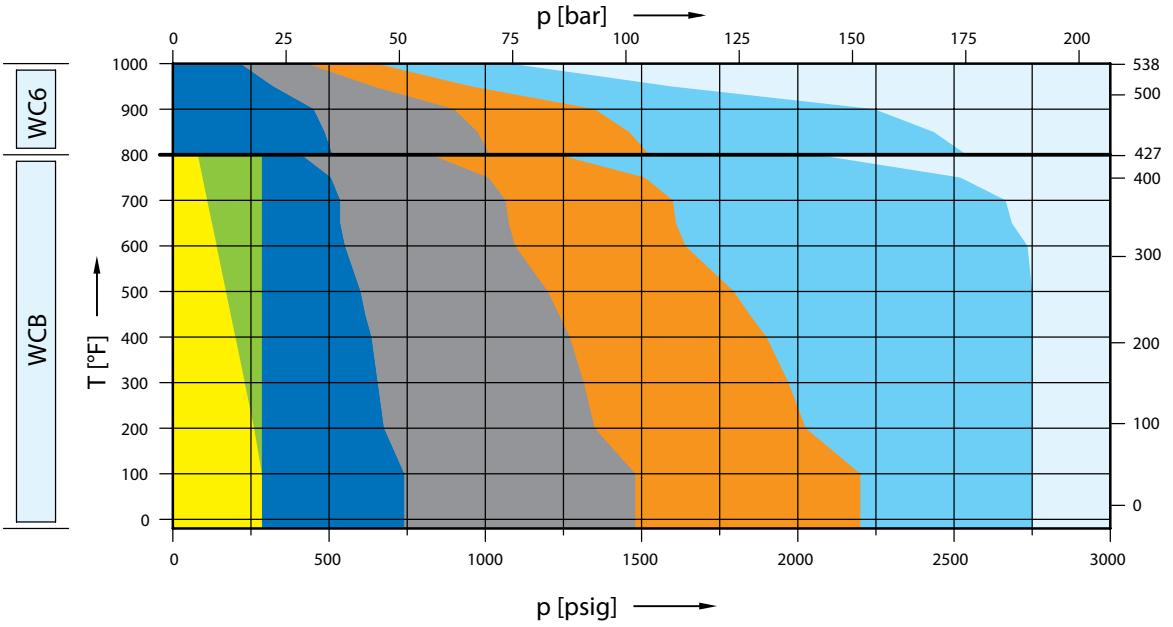
Article numbers		5260.0221	5260.0231	5260.0241	5260.0251	5260.0261	5260.0271	5260.0281
Valve size		1 1/2 G 3	1 1/2 G 3	1 1/2 G 3	1 1/2 G 3	1 1/2 G 3	2 G 3	2 G 3
Flange rating class Inlet x Outlet		150 x 150	300L x 150	300 x 150	600 x 150	900 x 300	1500 x 300	2500 x 300
Actual Orifice diameter d_0 [mm]		22.5	22.5	22.5	22.5	22.5	22.5	22.5
Actual Orifice area A_0 [mm²]		398	398	398	398	398	398	398
Minimum set pressure [bar] S/G/L		0.2	0.2	0.2	0.2	0.2	5.0	5.0
Minimum set pressure [bar] S/G		3.4	3.4	3.4	9.2	9.2	9.2	9.2
Balanced bellows Inconel [bar] L		3.2	3.2	3.2	18.5	18.5	18.5	18.5
Body material: WCB		**Pressure range p [bar] S/G/L**						
Maximum set pressure	-29 to 38 °C	19.7	19.7	51.0	102.1	153.1	255.5	255.5
	232 °C	12.8	19.7	42.4	85.2	127.2	212.4	255.5
	427 °C	5.5	19.7	28.3	56.9	85.2	142.1	236.6
Outlet pressure limit Conventional design		19.7	19.7	19.7	19.7	51.0	51.0	51.0
Outlet pressure limit Balanced bellows design		15.9	15.9	15.9	15.9	32.4	32.4	32.4
Body material: CF8M / CF3M*		**Pressure range p [bar] S/G/L**						
Maximum set pressure	-268 to -60 °C	19.0	19.0	49.7	99.3	149.0	169.0	179.3
	-59 to -29 °C	19.0	19.0	49.7	99.3	149.0	248.3	255.5
	-28 to 38 °C	19.0	19.0	49.7	99.3	149.0	248.3	255.5
	232 °C	12.4	19.0	34.1	67.2	102.4	171.0	255.5
	427 °C	5.5	19.0	29.0	58.3	87.2	145.5	242.8
	538 °C	1.4	19.0	24.1	48.3	72.4	120.7	201.0
Outlet pressure limit Conventional design		19.0	19.0	19.0	19.0	49.7	49.7	49.7
Outlet pressure limit Balanced bellows design		15.9	15.9	15.9	15.9	32.4	32.4	32.4
Body material: WC6		**Pressure range p [bar] S/G/L**						
Maximum set pressure	427 °C	–	–	35.2	70.0	105.2	175.2	255.5
	538 °C	–	–	14.8	29.7	44.8	74.5	124.1
Outlet pressure limit Conventional design		–	–	19.7	19.7	51.0	51.0	51.0
Outlet pressure limit Balanced bellows design		–	–	15.9	15.9	32.4	32.4	32.4
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	240.1	255.5
	200 °C	13.8	18.4	42.5	85.1	127.6	212.7	255.5
	343 °C	8.4	18.4	36.4	72.8	109.2	182.0	255.5
Outlet pressure limit Conventional design		18.4	18.4	18.4	18.4	48.0	48.0	48.0
Outlet pressure limit Balanced bellows design		15.9	15.9	15.9	15.9	32.4	32.4	32.4

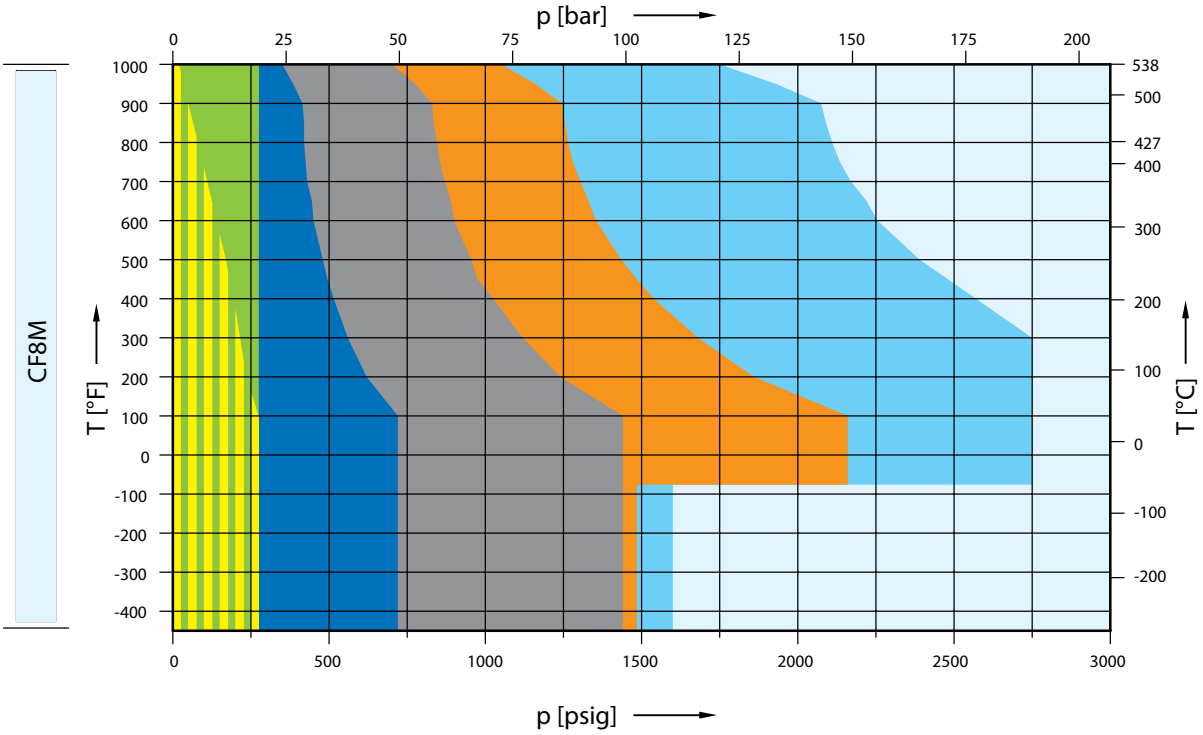
Remark: SA 352 Gr. LCB is not listed in the API 526. Pressure-Temperature Rating acc. to ASME B16.34 Table 2-1.3
The stated Pressure-Temperature Rating are taken from ASME B16.34 Table 2-1.3 if the maximum pressure is not limited by API 526.

* Pressure- Temperature Rating acc. to API 526 and ASME B 16.34 Table 2-2.2

Type 526 IC
Orifice H
Selection charts

	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 300	2500 x 300
WCB	5260.0291	5260.0301	5260.0311	5260.0321	5260.0331	5260.0341	–
SIZE	11/2" X 3"	11/2" X 3"	2" X 3"	2" X 3"	2" X 3"	2" X 3"	–





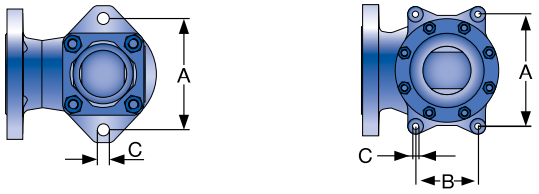
Type 526 IC
Orifice H
Article numbers, dimensions and weights

Article numbers		5260.0291	5260.0301	5260.0311	5260.0321	5260.0331	5260.0341
	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 Inlet x Outlet	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 [mm²]	629	629	629	629	629	629

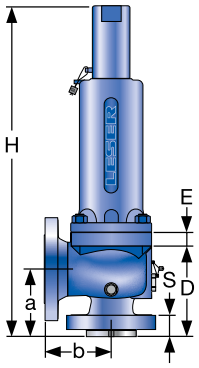
Dimensions and weights

Metric units							
Weight [kg]		30.6	30.6	44.6	62.2	62.2	62.2
	with bellows	33.1	33.1	48.4	65.3	65.3	65.3
Center to face [mm]	Inlet a	130	130	130	154	154	154
	Outlet b	124	124	124	162	162	162
	s	38	38	43	56	56	56
Height (H4) [mm]	Standard H max.	542	542	666	691	691	691
	Bellows H max.	580	580	692	717	717	717
Support brackets [mm]	A	162	162	184	184	184	184
	B	–	–	110	110	110	110
	C	Ø 14	Ø 14	Ø 14	Ø 14	Ø 14	Ø 14
	D	155	155	177	202	202	202
	E	16	16	16	16	16	16
US units							
Weight [lbs]		67.5	67.5	98.3	137.2	137.2	137.2
	with bellows	73	73	106.7	144	144	144
Center to face [inch]	Inlet a	5 1/8	5 1/8	5 1/8	6 1/16	6 1/16	6 1/16
	Outlet b	4 7/8	4 7/8	4 7/8	6 3/8	6 3/8	6 3/8
	s	1 1/2	1 1/2	1 1/16	2 3/16	2 3/16	2 3/16
Height (H4) [inch]	Standard H max.	21 11/32	21 11/32	26 7/32	27 7/32	27 7/32	27 7/32
	Bellows H max.	22 27/32	22 27/32	27 1/4	28 7/32	28 7/32	28 7/32
Support brackets [inch]	A	6 3/8	6 3/8	7 1/4	7 1/4	7 1/4	7 1/4
	B	–	–	4 11/32	4 11/32	4 11/32	4 11/32
	C	Ø 9/16	Ø 9/16	Ø 9/16	Ø 9/16	Ø 9/16	Ø 9/16
	D	6 3/32	6 3/32	6 31/32	7 15/16	7 15/16	7 15/16
	E	5/8	5/8	5/8	5/8	5/8	5/8

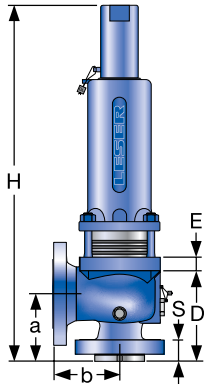
Code for lifting device		
Lifting device	**H2**	**H4**
Bonnet	closed	closed
WCB, WC6, LCB	2	4
CF8M, CF3M	2	4



Support brackets



Conventional design



Balanced bellows design

Type 526 IC
Orifice H
Pressure temperature ratings
Metric units

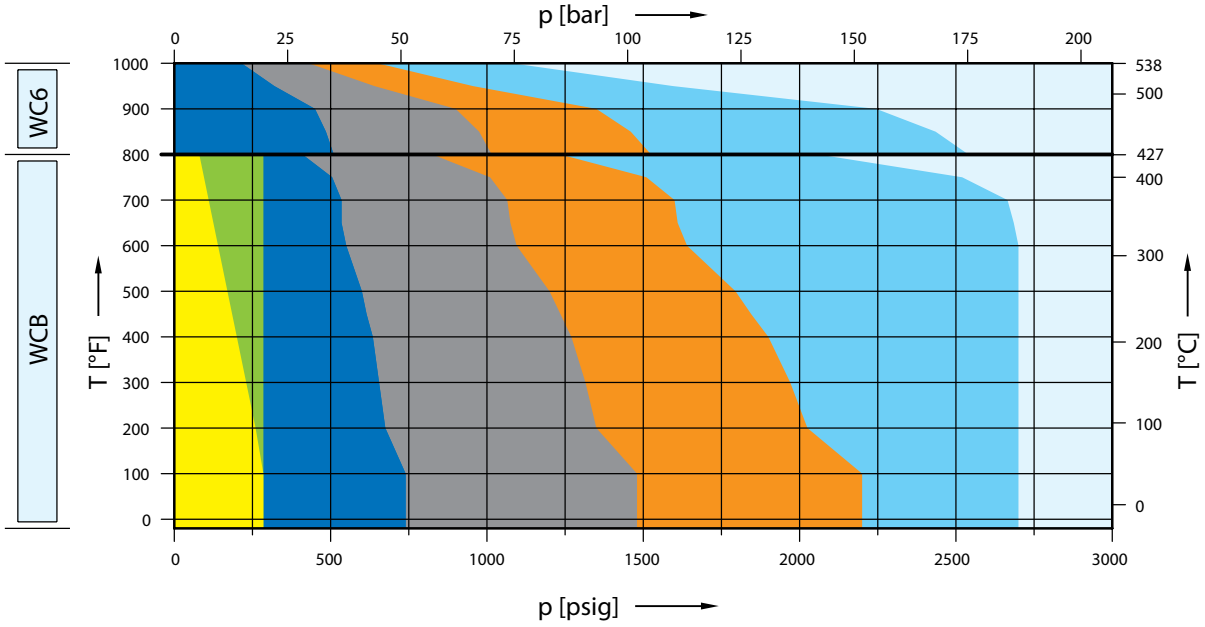
Article numbers		5260.0291	5260.0301	5260.0311	5260.0321	5260.0331	5260.0341
Valve size		1 1/2 H 3	1 1/2 H 3	2 H 3	2 H 3	2 H 3	2 H 3
Flange rating class Inlet x Outlet		150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 300
Actual Orifice diameter d_0 [mm]		28.3	28.3	28.3	28.3	28.3	28.3
Actual Orifice area A_0 [mm²]		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		**Pressure range p [bar] S/G/L**					
Maximum set pressure	-29 to 38 °C	19.7	19.7	51.0	102.1	153.1	189.7
	232 °C	12.8	19.7	42.4	85.2	127.2	189.7
	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	51.0
Outlet pressure limit Balanced bellows design		15.9	15.9	15.9	15.9	15.9	28.6
Body material: CF8M / CF3M*		**Pressure range p [bar] S/G/L**					
Maximum set pressure	-268 to -60 °C	19.0	19.0	49.7	99.3	102.4	110.3
	-59 to -29 °C	19.0	19.0	49.7	99.3	149.0	189.7
	-28 to 38 °C	19.0	19.0	49.7	99.3	149.0	189.7
	232 °C	12.4	19.0	34.1	67.2	102.4	171.0
	427 °C	5.5	19.0	29.0	58.3	87.2	145.5
	538 °C	1.4	19.0	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	28.6
Body material: WC6		**Pressure range p [bar] S/G/L**					
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
Outlet pressure limit Balanced bellows design		–	–	15.9	15.9	15.9	28.6
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	189.7
	200 °C	13.8	18.4	42.5	85.1	127.6	189.7
	343 °C	8.4	18.4	36.4	72.8	109.2	182.0
Outlet pressure limit Conventional design		18.4	18.4	18.4	18.4	18.4	48.0
Outlet pressure limit Balanced bellows design		15.9	15.9	15.9	15.9	15.9	28.6

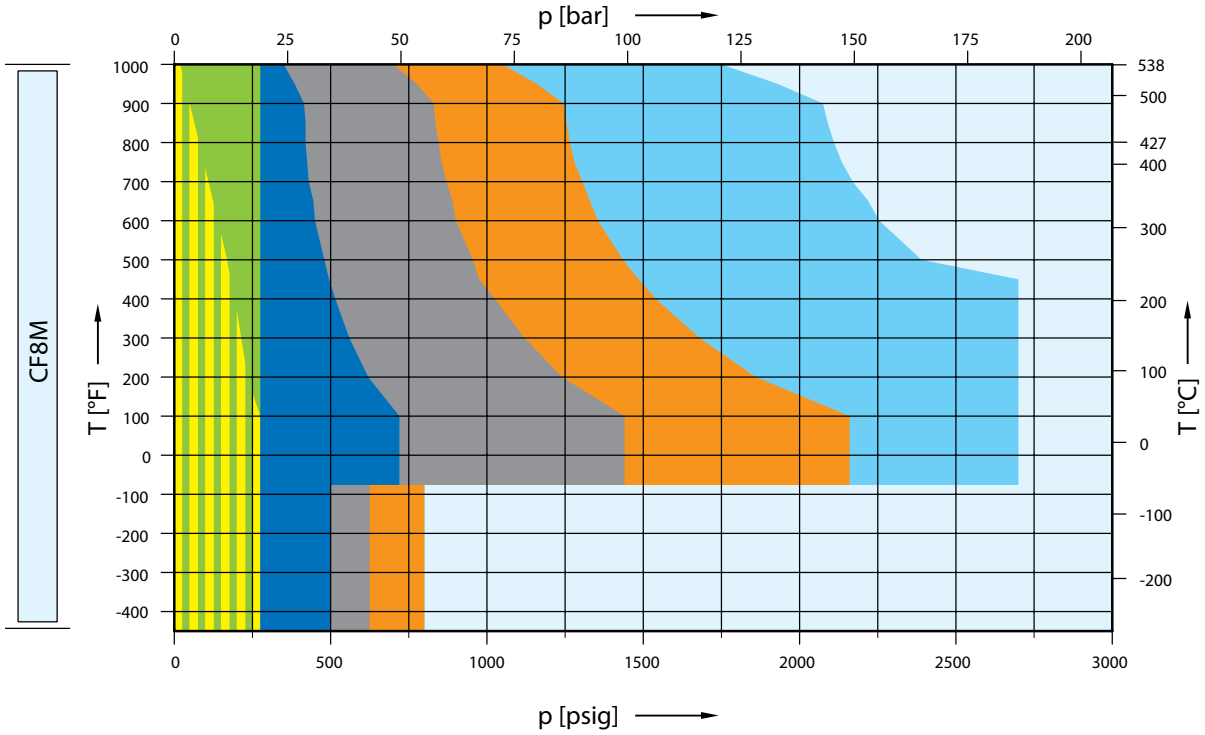
Remark: SA 352 Gr. LCB is not listed in the API 526. Pressure-Temperature Rating acc. to ASME B16.34 Table 2-1.3
The stated Pressure-Temperature Rating are taken from ASME B16.34 Table 2-1.3 if the maximum pressure is not limited by API 526.

* Pressure- Temperature Rating acc. to API 526 and ASME B 16.34 Table 2-2.2

Type 526 IC
Orifice J
Selection charts

	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 300	2500 x 300
WCB	5260.0351	5260.0361	5260.0371	5260.0381	5260.0391	5260.0401	–
SIZE	2″ X 3″	2″ X 3″	3″ X 4″	3″ X 4″	3″ X 4″	3″ X 4″	–





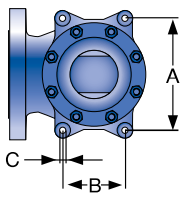
Type 526 IC
Orifice J
Article numbers, dimensions and weights

Article numbers		5260.0351	5260.0361	5260.0371	5260.0381	5260.0391	5260.0401
	Valve size	2 J 3	2 J 3	3 J 4	3 J 4	3 J 4	3 J 4
	Flange rating class Inlet x Outlet	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 [mm²]	1018	1018	1018	1018	1018	1018

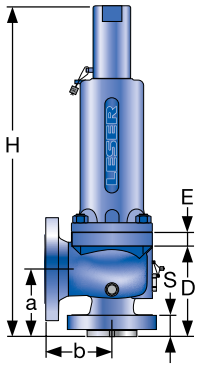
Dimensions and weights

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

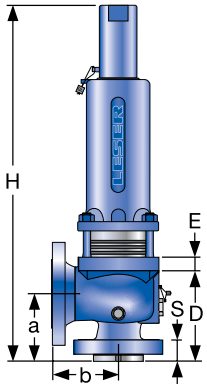
Code for lifting device		
Lifting device	**H2**	**H4**
Bonnet	closed	closed
WCB, WC6, LCB	2	4
CF8M, CF3M	2	4



Support brackets



Conventional design



Balanced bellows design

Type 526 IC
Orifice J
Pressure temperature ratings
Metric units

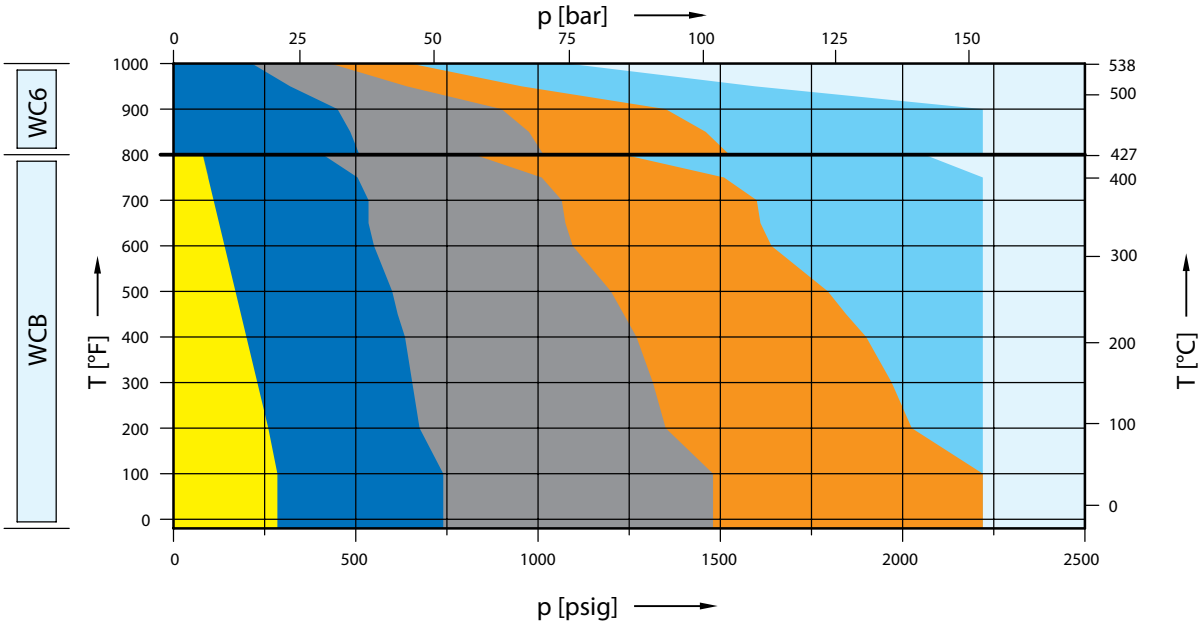
Article numbers		5260.0351	5260.0361	5260.0371	5260.0381	5260.0391	5260.0401
Valve size		2 J 3	2 J 3	3 J 4	3 J 4	3 J 4	3 J 4
Flange rating class Inlet x Outlet		150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 300
Actual Orifice diameter d_0 [mm]		36.0	36.0	36.0	36.0	36.0	36.0
Actual Orifice area A_0 [mm²]		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				**Pressure range p [psig] S/G/L**			
Maximum set pressure	-29 to 38 °C	19.7	19.7	51.0	102.1	153.1	186.2
	232 °C	12.8	19.7	42.4	85.2	127.2	186.2
	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 / CF3M*				**Pressure range p [psig] 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
	232 °C	12.4	19.0	34.1	67.2	102.4	171.0
	427 °C	5.5	19.0	29.0	58.3	87.2	145.5
	538 °C	1.4	19.0	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				**Pressure range p [psig] S/G/L**			
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	41.4
Outlet pressure limit Balanced bellows design		–	–	15.9	15.9	15.9	15.9
Body material: LCB				**Pressure range p [psig] S/G/L**			
Maximum set pressure	-46 to 38 °C	18.4	18.4	48.0	96.0	144.1	186.2
	200 °C	13.8	18.4	42.5	85.1	127.6	186.2
	343 °C	8.4	18.4	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

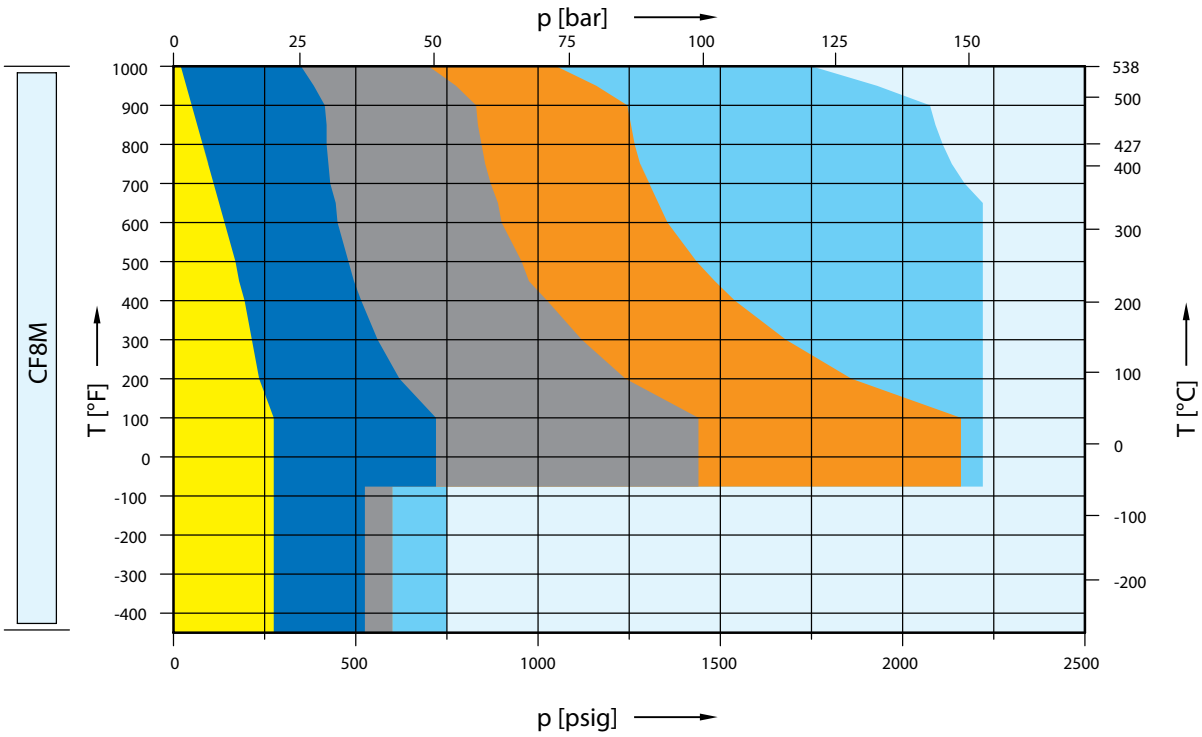
Remark: SA 352 Gr. LCB is not listed in the API 526. Pressure-Temperature Rating acc. to ASME B16.34 Table 2-1.3
The stated Pressure-Temperature Rating are taken from ASME B16.34 Table 2-1.3 if the maximum pressure is not limited by API 526.

* Pressure- Temperature Rating acc. to API 526 and ASME B 16.34 Table 2-2.2

Type 526 IC
Orifice K
Selection charts

	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 300	2500 x 300
WCB	5260.0411	use #300 valve	5260.0431	5260.0441	5260.0451	5260.0461	–
SIZE	3″ X 4″	3″ X 4″	3″ X 4″	3″ X 4″	3″ X 6″	3″ X 6″	–





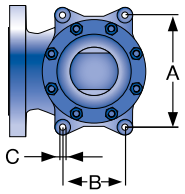
Type 526 IC
Orifice K
Article numbers, dimensions and weights

Article numbers	5260.0411	Use 3 K 4 300 x 150	5260.0431	5260.0441	5260.0451	5260.0461
Valve size	3 K 4	3 K 4	3 K 4	3 K 4	3 K 6	3 K 6
Flange rating class Inlet x Outlet	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 [mm²]	1452	1452	1452	1452	1452	1452

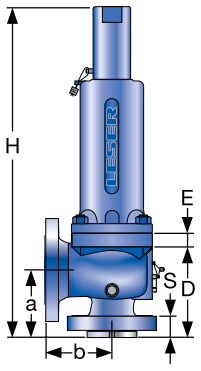
Dimensions and weights

Metric units							
				Other	WC6		
Weight [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
Center to face [mm]	Inlet a	156		156	184	156	198	197
	Outlet b	162		162	181	162	216	216
	s	49		49	49	49	67	65
Height (H4) [mm]	Standard H max.	758		758	786	758	880	879
	Bellows H max.	796		796	824	796	880	879
Support brackets [mm]	A	238		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								
Weight [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
Center to face [inch]	Inlet a	6 1/8		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
Height (H4) [inch]	Standard H max.	29 27/32		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
Support brackets [inch]	A	9 3/8		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

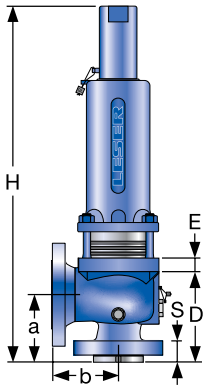
Code for lifting device		
Lifting device	**H2**	**H4**
Bonnet	closed	closed
WCB, WC6, LCB	2	4
CF8M, CF3M	2	4



Support brackets



Conventional design



Balanced bellows design

Type 526 IC
Orifice K
Pressure temperature ratings
Metric units

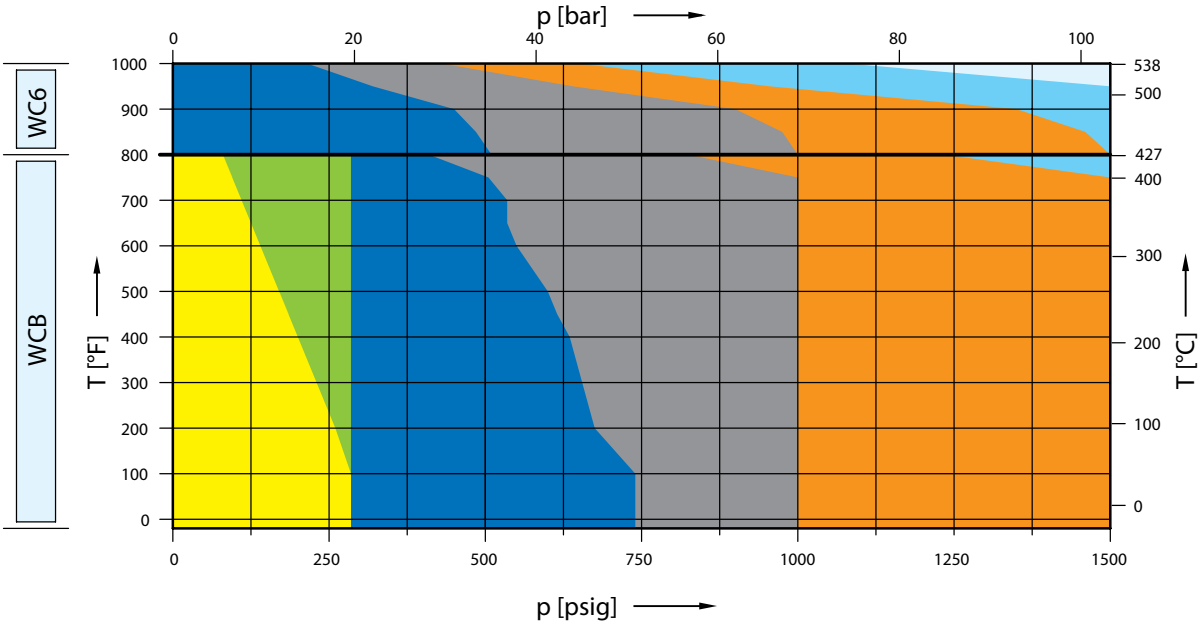
Article numbers		5260.0411	-	5260.0431	5260.0441	5260.0451	5260.0461
Valve size		3 K 4	3 K 4	3 K 4	3 K 4	3 K 6	3 K 6
Flange rating class $_{\text{Inlet x Outlet}}$		150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 300
Actual Orifice diameter d_0 [mm]		43.0	43.0	43.0	43.0	43.0	43.0
Actual Orifice area A_0 [mm²]		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
	only WC6					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
Body material: WCB				**Pressure range p [bar] S/G/L**			
Maximum set pressure	-29 to 38 °C	19.7	Use 3 K 4 300 x 150	51.0	102.1	153.1	153.1
	232 °C	12.8		42.4	85.2	127.2	153.1
	427 °C	5.5		28.3	56.9	85.2	142.1
Outlet pressure limit Conventional design		19.7		19.7	19.7	19.7	41.4
Outlet pressure limit Balanced bellows design		10.3		10.3	13.8	13.8	13.8
Body material: CF8M / CF3M*				**Pressure range p [bar] S/G/L**			
Maximum set pressure	-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
	232 °C	12.4		34.1	67.2	102.4	153.1
	427 °C	5.5		29.0	58.3	87.2	145.5
	538 °C	1.4		24.1	48.3	72.4	120.7
Outlet pressure limit Conventional design		19.0		19.0	19.0	19.0	41.4
Outlet pressure limit Balanced bellows design		10.3		10.3	13.8	13.8	13.8
Body material: WC6				**Pressure range p [bar] S/G/L**			
Maximum set pressure	427 °C	–	Use 3 K 4 300 x 150	35.2	70.0	105.2	153.1
	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		–		10.3	13.8	13.8	13.8
Body material: LCB				**Pressure range p [bar] S/G/L**			
Maximum set pressure	-46 to 38 °C	18.4	Use 3 K 4 300 x 150	48.0	96.0	144.1	153.1
	200 °C	13.8		42.5	85.1	127.6	153.1
	343 °C	8.4		36.4	72.8	109.2	153.1
Outlet pressure limit Conventional design		18.4		18.4	18.4	18.4	41.4
Outlet pressure limit Balanced bellows design		10.3		10.3	13.8	13.8	13.8

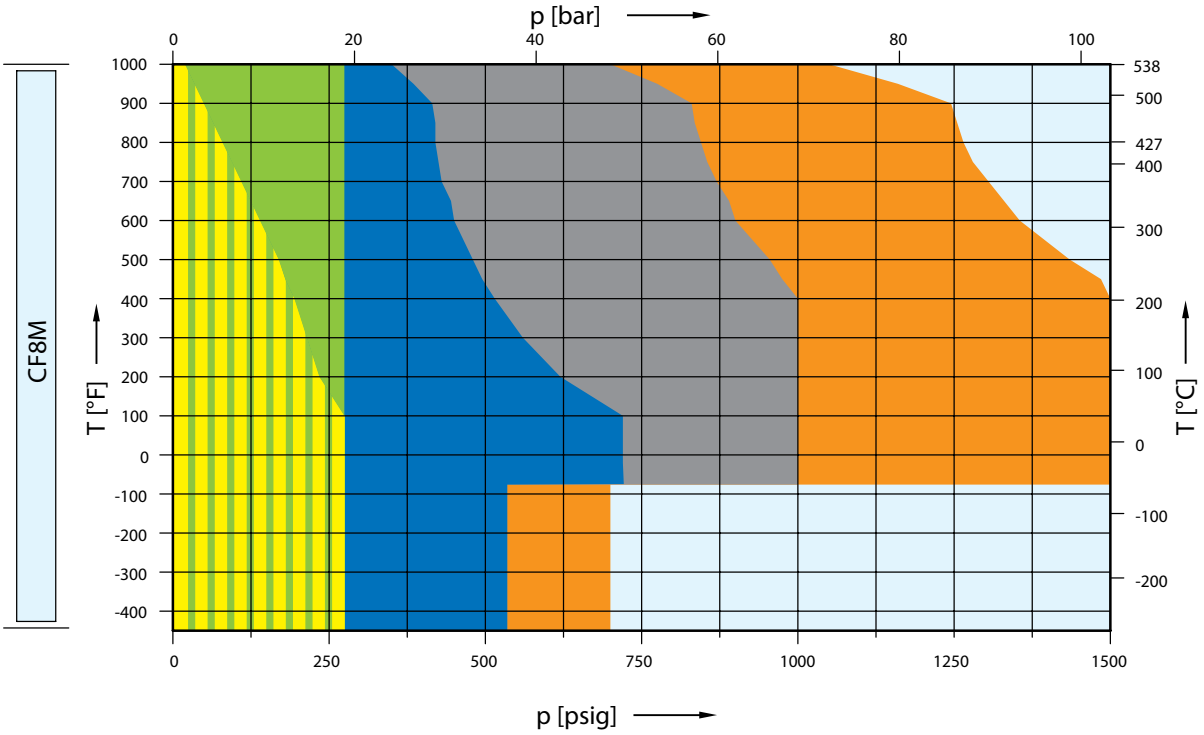
Remark: SA 352 Gr. LCB is not listed in the API 526. Pressure-Temperature Rating acc. to ASME B16.34 Table 2-1.3
The stated Pressure-Temperature Rating are taken from ASME B16.34 Table 2-1.3 if the maximum pressure is not limited by API 526.

* Pressure- Temperature Rating acc. to API 526 and ASME B 16.34 Table 2-2.2

Type 526 IC
Orifice L
Selection charts

	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 150	2500 x 300
WCB	5260.0471	5260.0481	5260.0491	5260.0501	5260.0511	5260.0521	–
SIZE	3" X 4"	3" X 4"	4" X 6"	4" X 6"	4" X 6"	4" X 6"	–





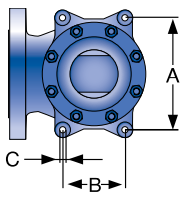
Type 526 IC
Orifice L
Article numbers, dimensions and weights

Article numbers		5260.0471	5260.0481	5260.0491	5260.0501	5260.0511	5260.0521
	Valve size	3 L 4	3 L 4	4 L 6	4 L 6	4 L 6	4 L 6
	Flange rating class Inlet x Outlet	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 150
	Actual Orifice diameter d_0 [mm]	53.5	53.5	53.5	53.5	53.5	53.5
	Actual Orifice area A_0 [mm²]	2248	2248	2248	2248	2248	2248

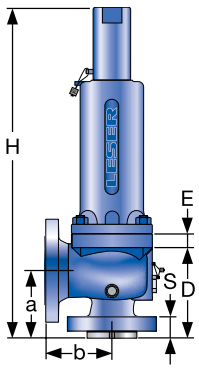
Dimensions and weights

Metric units							
Weight [kg]		70.1	70.1	112.2	122	134.1	127.5
	with bellows	75.7	75.7	118.8	128.6	140.7	134.1
Center to face [mm]	Inlet a	156	156	179	179	197	197
	Outlet b	165	165	181	203	222	222
	s	49	49	49	57	72	72
Height (H4) [mm]	Standard H max.	758	758	853	853	871	871
	Bellows H max.	796	796	886	886	904	904
Support brackets [mm]	A	238	238	278	278	278	278
	B	140	140	160	160	160	160
	C	Ø 18	Ø 18	Ø 18	Ø 18	Ø 18	Ø 18
	D	206	206	262	262	280	280
	E	25	25	25	25	25	25
US units							
Weight [lbs]		154.6	154.6	247.4	269	295.7	281.1
	with bellows	166.9	166.9	262	283.6	310.2	295.7
Center to face [inch]	Inlet a	6 1/8	6 1/8	7 1/16	7 1/16	7 3/4	7 3/4
	Outlet b	6 1/2	6 1/2	7 1/8	8	8 3/4	8 3/4
	s	1 15/16	1 15/16	1 15/16	2 1/4	2 3/4	2 3/4
Height (H4) [inch]	Standard H max.	29 27/32	29 27/32	33 19/32	33 19/32	34 9/32	34 9/32
	Bellows H max.	31 11/32	31 11/32	34 7/8	34 7/8	35 19/32	35 19/32
Support brackets [inch]	A	9 3/8	9 3/8	10 15/16	10 15/16	10 15/16	10 15/16
	B	5 1/2	5 1/2	6 5/16	6 5/16	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	10 15/16	10 15/16	11	11
	E	31/32	31/32	31/32	31/32	31/32	31/32

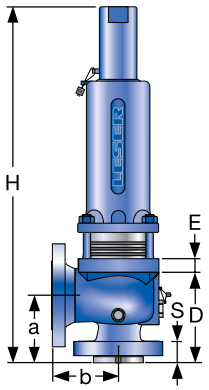
Code for lifting device		
Lifting device	**H2**	**H4**
Bonnet	closed	closed
WCB, WC6, LCB	2	4
CF8M, CF3M	2	4



Support brackets



Conventional design



Balanced bellows design

Type 526 IC
Orifice L
Pressure temperature ratings
Metric units

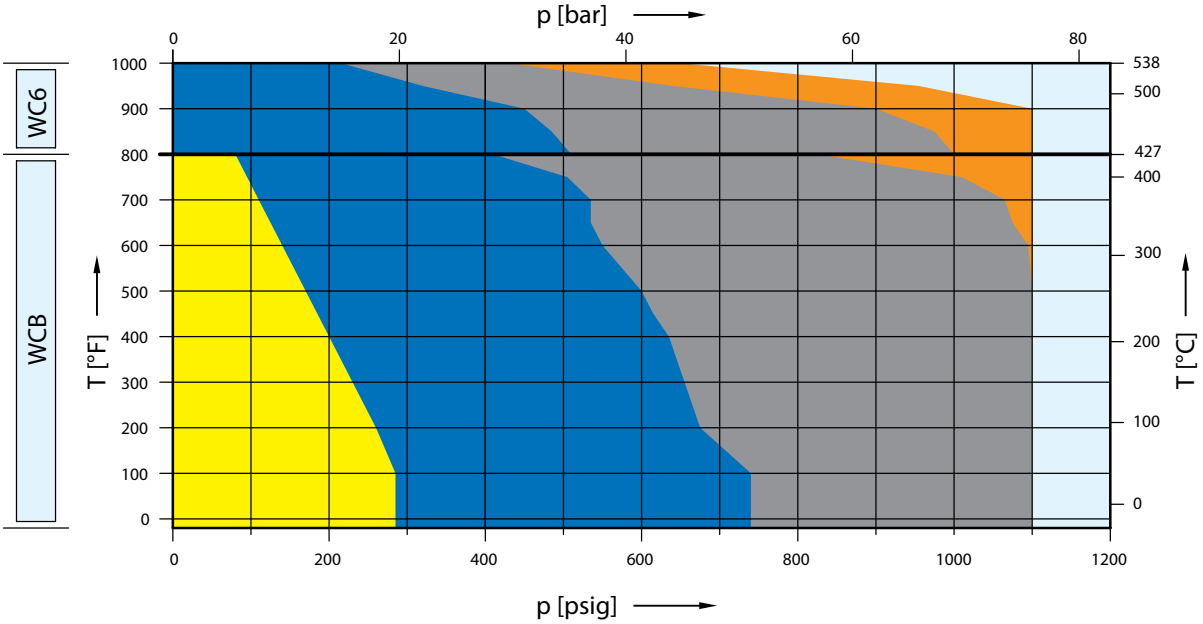
Article numbers		5260.0471	5260.0481	5260.0491	5260.0501	5260.0511	5260.0521
Valve size		3 L 4	3 L 4	4 L 6	4 L 6	4 L 6	4 L 6
Flange rating class Inlet x Outlet		150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 150
Actual Orifice diameter d_0 [mm]		53.5	53.5	53.5	53.5	53.5	53.5
Actual Orifice area A_0 [mm²]		2248	2248	2248	2248	2248	2248
Minimum set pressure [bar] S/G/L		0.3	0.3	0.2	0.2	0.2	0.2
Minimum set pressure [bar] S/G		3.5	3.5	3.5	3.5	3.5	3.5
Balanced bellows Inconel [bar] L		3.5	3.5	6.0	6.0	6.0	6.0
Body material: WCB		**Pressure range p [bar] S/G/L**					
Maximum set pressure	-29 to 38 °C	19.7	19.7	51.0	69.0	103.4	103.4
	232 °C	12.8	19.7	42.4	69.0	103.4	103.4
	427 °C	5.5	19.7	28.3	56.9	85.2	103.4
Outlet pressure limit Conventional design		19.7	19.7	19.7	19.7	19.7	19.7
Outlet pressure limit Balanced bellows design		6.9	6.9	11.7	11.7	11.7	11.7
Body material: CF8M / CF3M*		**Pressure range p [bar] S/G/L**					
Maximum set pressure	-268 to -60 °C	19.0	19.0	36.2	36.9	48.3	–
	-59 to -29 °C	19.0	19.0	49.7	69.0	103.4	–
	-28 to 38 °C	19.0	19.0	49.7	69.0	103.4	–
	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	19.0	–
Outlet pressure limit Balanced bellows design		6.9	6.9	11.7	11.7	11.7	–
Body material: WC6		**Pressure range p [bar] S/G/L**					
Maximum set pressure	427 °C	–	–	35.2	69.0	103.4	103.4
	538 °C	–	–	14.8	29.7	44.8	74.5
Outlet pressure limit Conventional design		–	–	19.7	19.7	19.7	19.7
Outlet pressure limit Balanced bellows design		–	–	11.7	11.7	11.7	11.7
Body material: LCB		**Pressure range p [bar] S/G/L**					
Maximum set pressure	-46 to 38 °C	18.4	18.4	48.0	69.0	103.4	103.4
	200 °C	13.8	18.4	42.5	69.0	103.4	103.4
	343 °C	8.4	18.4	36.4	69.0	103.4	103.4
Outlet pressure limit Conventional design		18.4	18.4	18.4	18.4	18.4	18.4
Outlet pressure limit Balanced bellows design		6.9	6.9	11.7	11.7	11.7	11.7

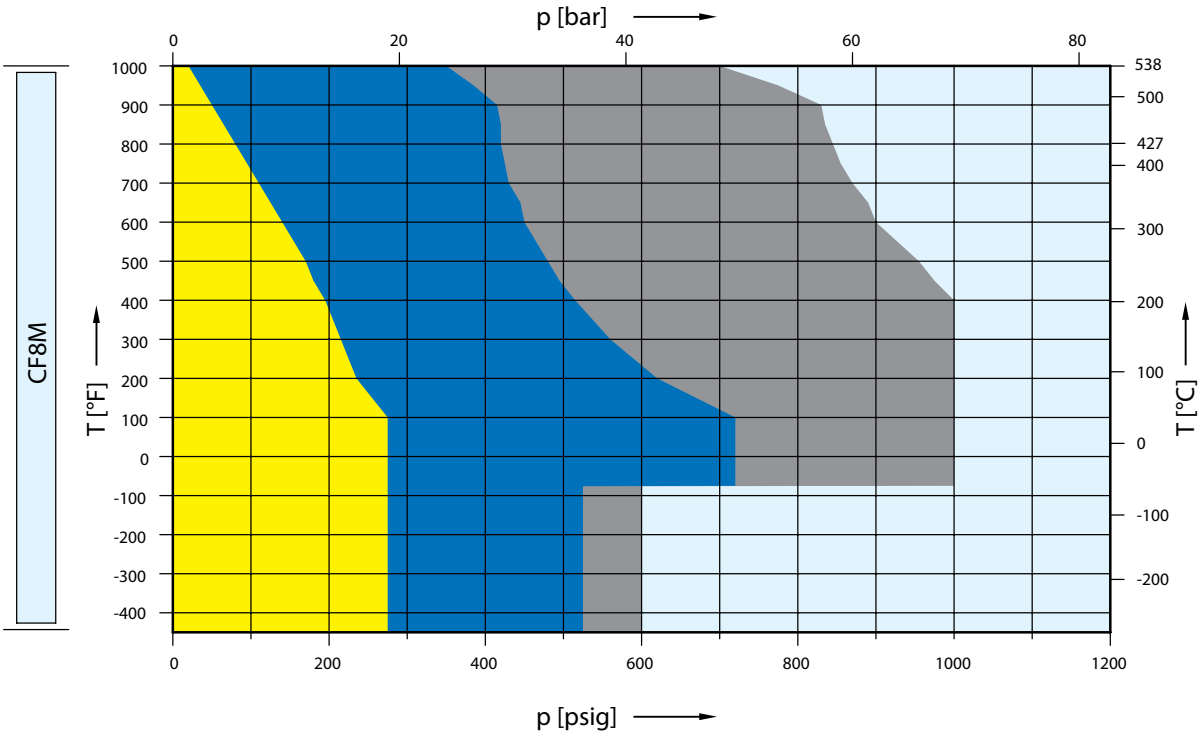
Remark: SA 352 Gr. LCB is not listed in the API 526. Pressure-Temperature Rating acc. to ASME B16.34 Table 2-1.3
The stated Pressure-Temperature Rating are taken from ASME B16.34 Table 2-1.3 if the maximum pressure is not limited by API 526.

* Pressure- Temperature Rating acc. to API 526 and ASME B 16.34 Table 2-2.2

Type 526 IC
Orifice M
Selection charts

	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 150	2500 x 300
WCB	5260.0531	use #300 valve	5260.0551	5260.0561	5260.0571	–	–
SIZE	4" X 6"	4" X 6"	4" X 6"	4" X 6"	4" X 6"	–	–





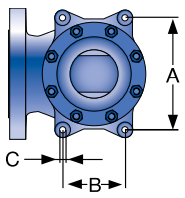
Type 526 IC
Orifice M
Article numbers, dimensions and weights

Article numbers	5260.0531	Use 4 M 6 300 x 150	5260.0551	5260.0561	5260.0571
Valve size	4 M 6	4 M 6	4 M 6	4 M 6	4 M 6
Flange rating class $_{\text{Inlet x Outlet}}$	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150
Actual Orifice diameter d_0 [mm]	60.3	60.3	60.3	60.3	60.3
Actual Orifice area A_0 [mm²]	2856	2856	2856	2856	2856

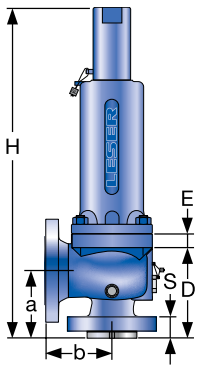
Dimensions and weights

Metric units						
Weight [kg]		112.1	Use 4 M 6 300 x 150	112.1	122	134.1
	with bellows	118.7		118.7	128.6	140.7
Center to face [mm]	Inlet a	178		178	178	197
	Outlet b	184		184	203	222
	s	48		48	56	72
Height (H4) [mm]	Standard H max.	852		852	852	871
	Bellows H max.	885		885	885	904
Support brackets [mm]	A	278		278	278	278
	B	160		160	160	160
	C	Ø 18		Ø 18	Ø 18	Ø 18
	D	260		260	260	280
	E	25		25	25	25
US units						
Weight [lbs]		247.2	Use 4 M 6 300 x 150	247.2	269	295.7
	with bellows	261.7		261.7	283.6	310.2
Center to face [inch]	Inlet a	7		7	7	7 3/4
	Outlet b	7 1/4		7 1/4	8	8 3/4
	s	1 7/8		1 7/8	2 3/16	2 3/4
Height (H4) [inch]	Standard H max.	33 17/32		33 17/32	33 17/32	33 17/32
	Bellows H max.	34 27/32		34 27/32	34 27/32	34 27/32
Support brackets [inch]	A	10 15/16		10 15/16	10 15/16	10 15/16
	B	6 5/16		6 5/16	6 5/16	6 5/16
	C	Ø 23/32		Ø 23/32	Ø 23/32	Ø 23/32
	D	10 1/4		10 1/4	10 1/4	11
	E	31/32		31/32	31/32	31/32

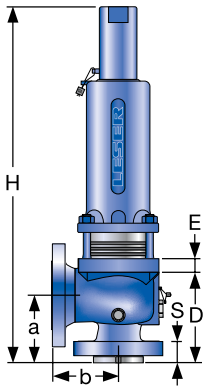
Code for lifting device		
Lifting device	**H2**	**H4**
Bonnet	closed	closed
WCB, WC6, LCB	2	4
CF8M, CF3M	2	4



Support brackets



Conventional design



Balanced bellows design

Type 526 IC
Orifice M
Pressure temperature ratings
Metric units

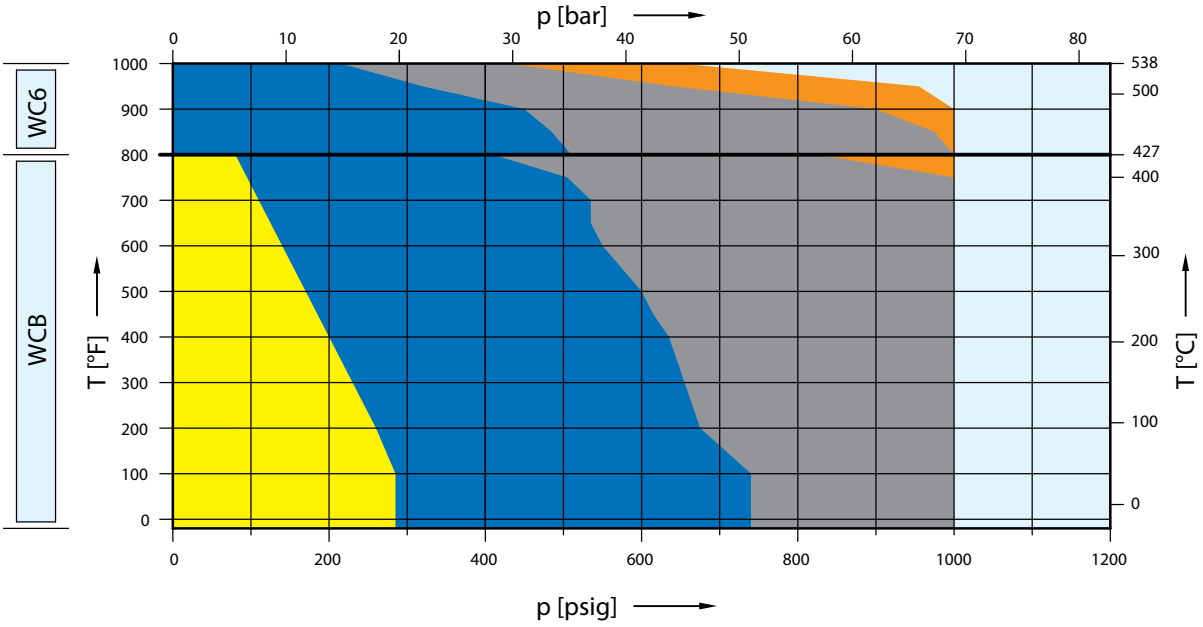
Article numbers		5260.0531	-	5260.0551	5260.0561	5260.0571
Valve size		4 M 6	4 M 6	4 M 6	4 M 6	4 M 6
Flange rating class Inlet x Outlet		150 x 150	300L x 150	300 x 150	600 x 150	900 x 150
Actual Orifice diameter d_0 [mm]		60.3	60.3	60.3	60.3	60.3
Actual Orifice area A_0 [mm²]		2846	2846	2846	2846	2846
Minimum set pressure [bar] S/G/L		0.2	0.2	0.2	0.2	0.2
Minimum set pressure [bar] S/G		2.6	2.6	2.6	6.3	10.5
Balanced bellows Inconel [bar] L		2.2	2.2	2.2	10.5	10.5
Body material: WCB				**Pressure range p [bar] S/G/L**		
Maximum set pressure	-29 to 38 °C	19.7	Use 4 M 6 300 x 150	51.0	75.9	75.9
	232 °C	12.8		42.4	75.9	75.9
	427 °C	5.5		28.3	56.9	75.9
Outlet pressure limit Conventional design		19.7		19.7	19.7	19.7
Outlet pressure limit Balanced bellows design		5.5		11.0	11.0	11.0
Body material: CF8M / CF3M*				**Pressure range p [bar] S/G/L**		
Maximum set pressure	-268 to -60 °C	19.0	Use 4 M 6 300 x 150	36.2	41.4	–
	-59 to -29 °C	19.0		49.7	69.0	–
	-28 to 38 °C	19.0		49.7	69.0	–
	232 °C	12.4		34.1	67.2	–
	427 °C	5.5		29.0	58.3	–
	538 °C	1.4		24.1	48.3	–
Outlet pressure limit Conventional design		19.0		19.0	19.0	–
Outlet pressure limit Balanced bellows design		5.5		11.0	11.0	–
Body material: WC6				**Pressure range p [bar] S/G/L**		
Maximum set pressure	427 °C	–	Use 4 M 6 300 x 150	35.2	69.0	75.8
	538 °C	–		14.8	29.7	44.8
Outlet pressure limit Conventional design		–		19.7	19.7	19.7
Outlet pressure limit Balanced bellows design		–		11.0	11.0	11.0
Body material: LCB				**Pressure range p [bar] S/G/L**		
Maximum set pressure	-46 to 38 °C	18.4	Use 4 M 6 300 x 150	48.0	75.9	75.9
	200 °C	13.8		42.5	75.9	75.9
	343 °C	8.4		36.4	72.8	75.9
Outlet pressure limit Conventional design		18.4		18.4	18.4	18.4
Outlet pressure limit Balanced bellows design		5.5		11.0	11.0	11.0

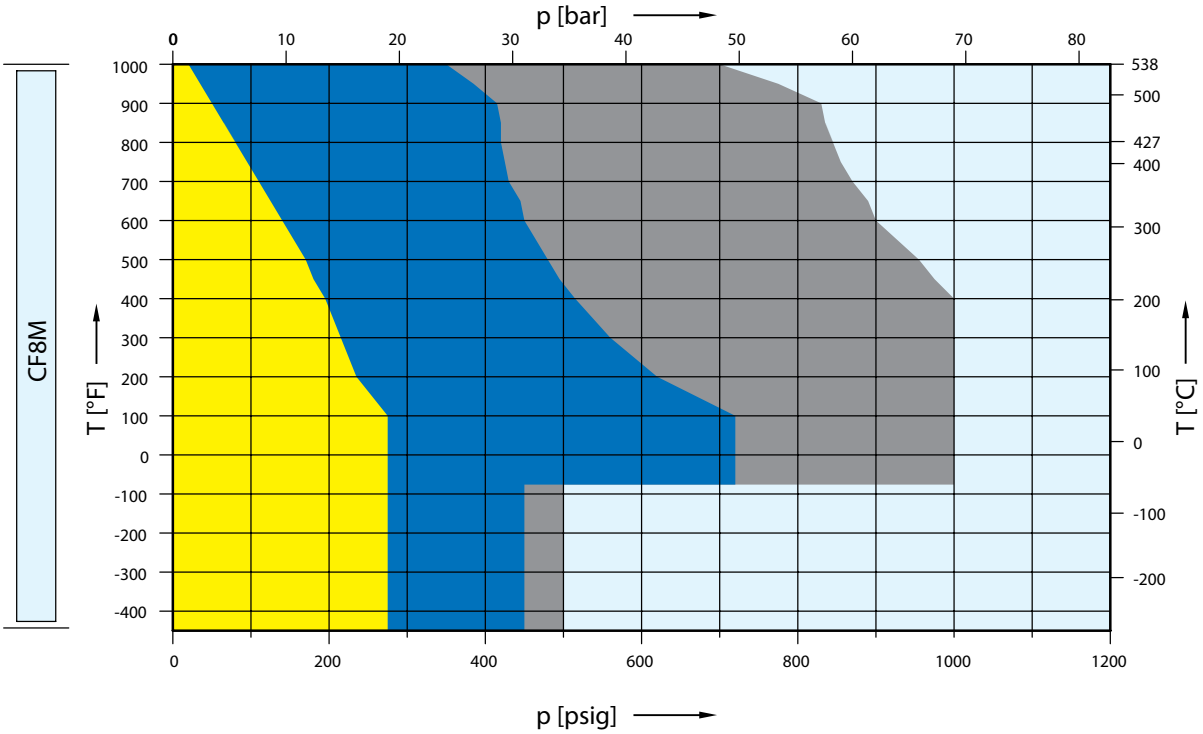
Remark: SA 352 Gr. LCB is not listed in the API 526. Pressure-Temperature Rating acc. to ASME B16.34 Table 2-1.3
The stated Pressure-Temperature Rating are taken from ASME B16.34 Table 2-1.3 if the maximum pressure is not limited by API 526.

* Pressure- Temperature Rating acc. to API 526 and ASME B 16.34 Table 2-2.2

Type 526 IC
Orifice N
Selection charts

	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 150	2500 x 300
WCB	5260.0581	use #300 valve	5260.0601	5260.0611	5260.0621	–	–
SIZE	4" X 6"	4" X 6"	4" X 6"	4" X 6"	4" X 6"	–	–





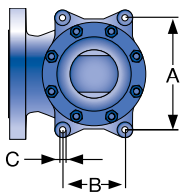
Type 526 IC
Orifice N
Article numbers, dimensions and weights

Article numbers		5260.0581	Use 4 N 6 300 x 150	5260.0601	5260.0611	5260.0621
Valve size		4 N 6	4 N 6	4 N 6	4 N 6	4 N 6
Flange rating class $_{\text{Inlet x Outlet}}$		150 x 150	300L x 150	300 x 150	600 x 150	900 x 150
Actual Orifice diameter d_0 [mm]		66.0	66.0	66.0	66.0	66.0
Actual Orifice area A_0 [mm²]		3421	3421	3421	3421	3421

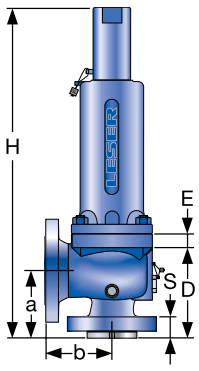
Dimensions and weights

Metric units						
Weight [kg]		128.6	Use 4 N 6 300 x 150	128.6	134.1	134.1
	with bellows	135.2		135.2	140.7	140.7
Center to face [mm]	Inlet a	197		197	197	197
	Outlet b	210		210	222	222
	s	48		48	72	72
Height (H4) [mm]	Standard H max.	871		871	871	871
	Bellows H max.	904		904	904	904
Support brackets [mm]	A	278		278	278	278
	B	160		160	160	160
	C	Ø 18		Ø 18	Ø 18	Ø 18
	D	280		280	280	280
	E	25		25	25	25
US units						
Weight [lbs]		283.6	Use 4 N 6 300 x 150	283.6	295.7	295.7
	with bellows	298.1		298.1	310.2	310.2
Center to face [inch]	Inlet a	7 3/4		7 3/4	7 3/4	7 3/4
	Outlet b	8 1/4		8 1/4	8 3/4	8 3/4
	s	1 7/8		1 7/8	2 3/4	2 3/4
Height (H4) [inch]	Standard H max.	34 9/32		34 9/32	34 9/32	34 9/32
	Bellows H max.	35 19/32		35 19/32	35 19/32	35 19/32
Support brackets [inch]	A	10 15/16		10 15/16	10 15/16	10 15/16
	B	6 5/16		6 5/16	6 5/16	6 5/16
	C	Ø 23/32		Ø 23/32	Ø 23/32	Ø 23/32
	D	11		11	11	11
	E	31/32		31/32	31/32	31/32

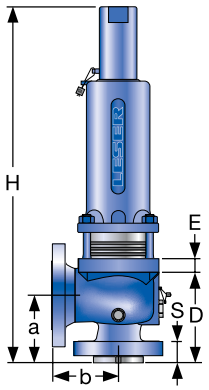
Code for lifting device		
Lifting device	**H2**	**H4**
Bonnet	closed	closed
WCB, WC6, LCB	2	4
CF8M, CF3M	2	4



Support brackets



Conventional design



Balanced bellows design

Type 526 IC
Orifice N
Pressure temperature ratings
Metric units

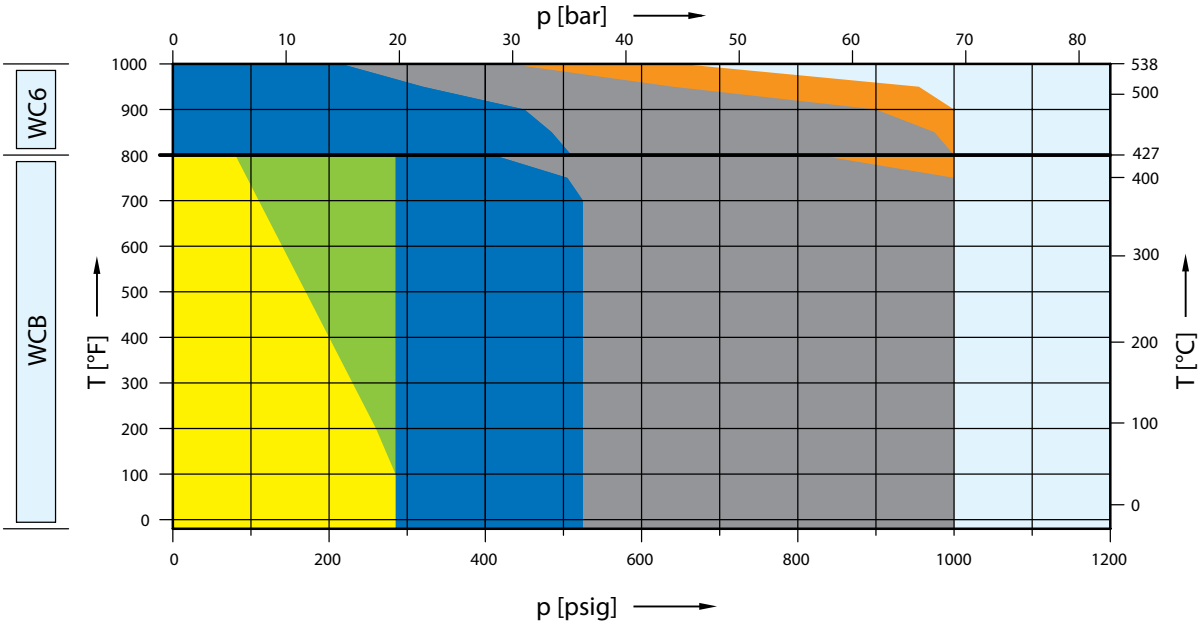
Article numbers		5260.0581	-	5260.0601	5260.0611	5260.0621
Valve size		4 N 6	4 N 6	4 N 6	4 N 6	4 N 6
Flange rating class Inlet x Outlet		150 x 150	300L x 150	300 x 150	600 x 150	900 x 150
Actual Orifice diameter d_0 [mm]		66.0	66.0	66.0	66.0	66.0
Actual Orifice area A_0 [mm²]		3421	3421	3421	3421	3421
Minimum set pressure [bar] S/G/L		0.2	0.2	0.2	0.2	0.2
Minimum set pressure [bar] S/G		1.8	1.8	1.8	5.2	5.2
Balanced bellows Inconel [bar] L		1.8	1.8	1.8	8.9	8.9
Body material: WCB				**Pressure range p [bar] S/G/L**		
Maximum set pressure	-29 to 38 °C	19.7	Use 4 N 6 300 x 150	51.0	69.0	69.0
	232 °C	12.8		42.4	69.0	69.0
	427 °C	5.5		28.3	56.9	69.0
Outlet pressure limit Conventional design		19.7		19.7	19.7	19.7
Outlet pressure limit Balanced bellows design		5.5		11.0	11.0	11.0
Body material: CF8M / CF3M*				**Pressure range p [bar] S/G/L**		
Maximum set pressure	-268 to -60 °C	19.0	Use 4 N 6 300 x 150	31.0	34.5	–
	-59 to -29 °C	19.0		49.7	69.0	–
	-28 to 38 °C	19.0		49.7	69.0	–
	232 °C	12.4		34.1	67.2	–
	427 °C	5.5		29.0	58.3	–
	538 °C	1.4		24.1	48.3	–
Outlet pressure limit Conventional design		19.0		19.0	19.0	–
Outlet pressure limit Balanced bellows design		5.5		11.0	11.0	–
Body material: WC6				**Pressure range p [bar] S/G/L**		
Maximum set pressure	427 °C	–	Use 4 N 6 300 x 150	35.2	69.0	69.0
	538 °C	–		14.8	29.7	44.8
Outlet pressure limit Conventional design		–		19.7	19.7	19.7
Outlet pressure limit Balanced bellows design		–		11.0	11.0	11.0
Body material: LCB				**Pressure range p [bar] S/G/L**		
Maximum set pressure	-46 to 38 °C	18.4	Use 4 N 6 300 x 150	48.0	69.0	69.0
	200 °C	13.8		42.5	69.0	69.0
	343 °C	8.4		36.4	69.0	69.0
Outlet pressure limit Conventional design		18.4		18.4	18.4	18.4
Outlet pressure limit Balanced bellows design		5.5		11.0	11.0	11.0

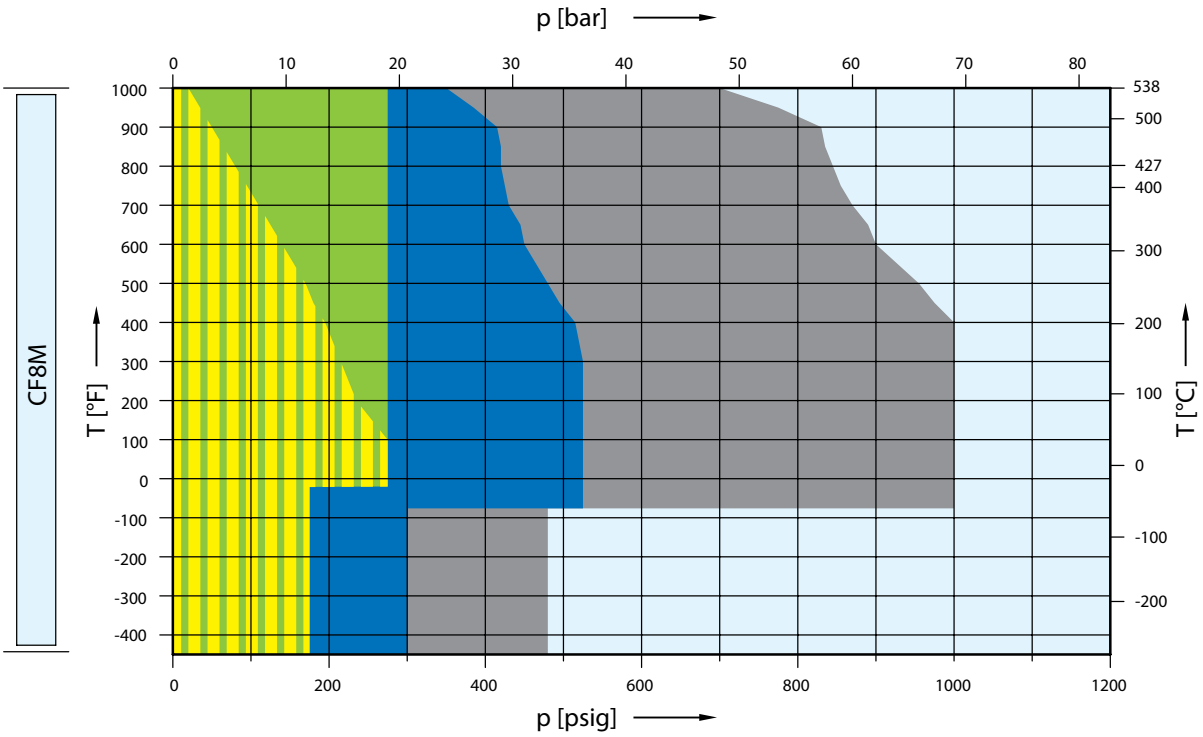
Remark: SA 352 Gr. LCB is not listed in the API 526. Pressure-Temperature Rating acc. to ASME B16.34 Table 2-1.3
The stated Pressure-Temperature Rating are taken from ASME B16.34 Table 2-1.3 if the maximum pressure is not limited by API 526.

* Pressure- Temperature Rating acc. to API 526 and ASME B 16.34 Table 2-2.2

Type 526 IC
Orifice P
Selection charts

	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 150	2500 x 300
WCB	5260.0631	5260.0641	5260.0651	5260.0661	5260.0671	–	–
SIZE	4" X 6"	4" X 6"	4" X 6"	4" X 6"	4" X 6"	–	–





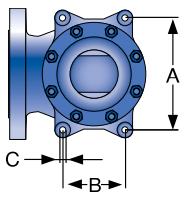
Type 526 IC
Orifice P
Article numbers, dimensions and weights

Article numbers		5260.0631	5260.0641	5260.0651	5260.0661	5260.0671
	Valve size	4 P 6	4 P 6	4 P 6	4 P 6	4 P 6
	Flange rating class Inlet x Outlet	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150
	Actual Orifice diameter d_0 [mm]	80.0	80.0	80.0	80.0	80.0
	Actual Orifice area A_0 [mm²]	5027	5027	5027	5027	5027

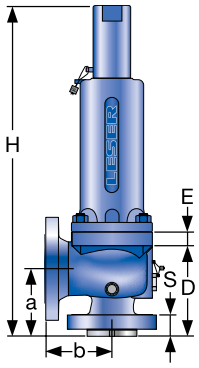
Dimensions and weights

Metric units						
Weight [kg]		107.7	107.7	164	164	164
	with bellows	114.8	114.8	172	172	172
Center to face [mm]	Inlet a	181	181	225	225	225
	Outlet b	229	229	254	254	254
	s	48	48	62	62	62
Height (H4) [mm]	Standard H max.	855	855	1079	1079	1079
	Bellows H max.	888	888	1138	1138	1138
Support brackets [mm]	A	278	278	370	370	370
	B	160	160	210	210	210
	C	Ø 18	Ø 18	Ø 18	Ø 18	Ø 18
	D	262	262	306	306	306
	E	25	25	25	25	25
US units						
Weight [lbs]		237.5	237.5	361.6	361.6	361.6
	with bellows	253.1	253.1	379.2	379.2	379.2
Center to face [inch]	Inlet a	7 1/8	7 1/8	8 7/8	8 7/8	8 7/8
	Outlet b	9	9	10	10	10
	s	1 7/8	1 7/8	2 7/16	2 7/16	2 7/16
Height (H4) [inch]	Standard H max.	33 21/32	33 21/32	42 1/2	42 1/2	42 1/2
	Bellows H max.	34 31/32	34 31/32	44 13/16	44 13/16	44 13/16
Support brackets [inch]	A	10 15/16	10 15/16	14 9/16	14 9/16	14 9/16
	B	6 5/16	6 5/16	8 9/32	8 9/32	8 9/32
	C	Ø 23/32	Ø 23/32	Ø 23/32	Ø 23/32	Ø 23/32
	D	10 5/16	10 5/16	12 1/16	12 1/16	12 1/16
	E	31/32	31/32	31/32	31/32	31/32

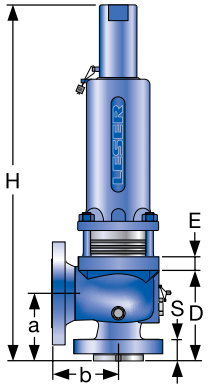
Code for lifting device		
Lifting device	**H2**	**H4**
Bonnet	closed	closed
WCB, WC6, LCB	2	4
CF8M, CF3M	2	4



Support brackets



Conventional design



Balanced bellows design

Type 526 IC
Orifice P
Pressure temperature ratings
Metric units

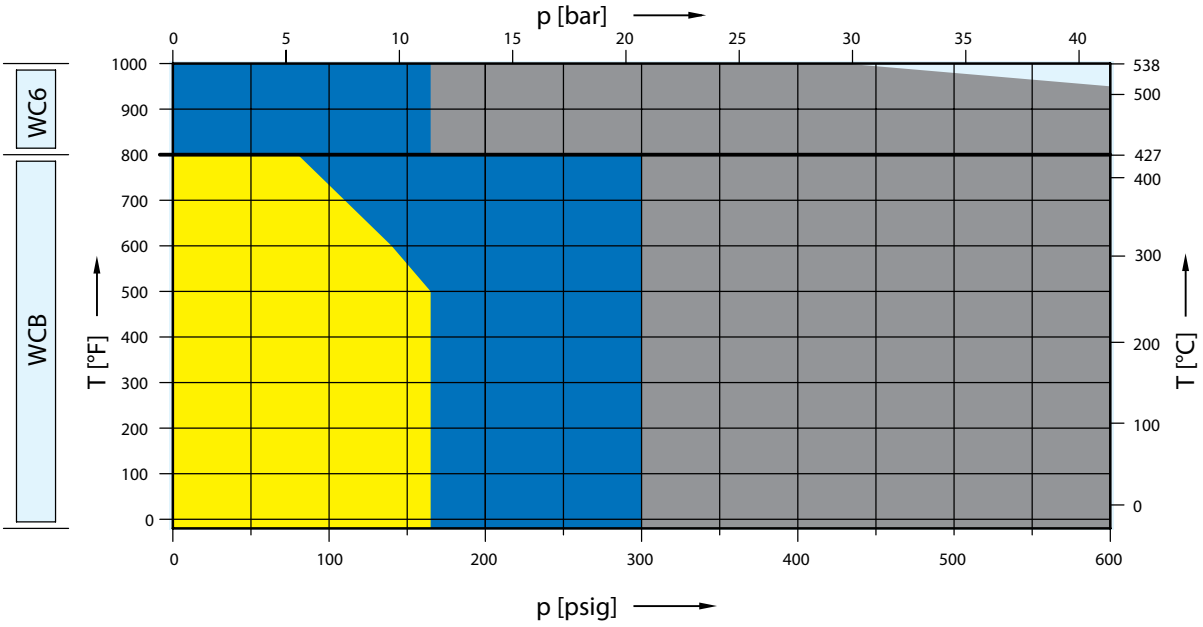
Article numbers		5260.0631	5260.0641	5260.0651	5260.0661	5260.0671
Valve size		4 P 6	4 P 6	4 P 6	4 P 6	4 P 6
Flange rating class $_{\text{Inlet x Outlet}}$		150 x 150	300L x 150	300 x 150	600 x 150	900 x 150
Actual Orifice diameter d_0 [mm]		80.0	80.0	80.0	80.0	80.0
Actual Orifice area A_0 [mm²]		5027	5027	5027	5027	5027
Minimum set pressure [bar] S/G/L		0.12	0.12	0.25	0.25	0.25
Minimum set pressure [bar] S/G		2.3	2.3	2.3	2.3	2.3
Balanced bellows Inconel [bar] L		2.5	2.5	2.5	2.5	2.5
Body material: WCB		**Pressure range p [bar] S/G/L**				
Maximum set pressure	-29 to 38 °C	19.7	19.7	36.2	69.0	69.0
	232 °C	12.8	19.7	36.2	69.0	69.0
	427 °C	5.5	19.7	28.3	56.9	69.0
Outlet pressure limit Conventional design		19.7	19.7	19.7	19.7	19.7
Outlet pressure limit Balanced bellows design		5.5	5.5	10.3	10.3	10.3
Body material: CF8M / CF3M*		**Pressure range p [bar] S/G/L**				
Maximum set pressure	-268 to -60 °C	12.1	12.1	20.7	33.1	–
	-59 to -29 °C	19.0	19.0	36.2	69.0	–
	-28 to 38 °C	19.0	19.0	36.2	69.0	–
	232 °C	12.4	19.0	34.1	67.2	–
	427 °C	5.5	19.0	29.0	58.3	–
	538 °C	1.4	19.0	24.1	48.3	–
Outlet pressure limit Conventional design		19.0	19.0	19.0	19.0	–
Outlet pressure limit Balanced bellows design		5.5	5.5	10.3	10.3	–
Body material: WC6		**Pressure range p [bar] S/G/L**				
Maximum set pressure	427 °C	–	–	35.2	69.0	69.0
	538 °C	–	–	14.8	29.7	44.8
Outlet pressure limit Conventional design		–	–	19.7	19.7	19.7
Outlet pressure limit Balanced bellows design		–	–	10.3	10.3	10.3
Body material: LCB		**Pressure range p [bar] S/G/L**				
Maximum set pressure	-46 to 38 °C	18.4	18.4	36.2	69.0	69.0
	200 °C	13.8	18.4	36.2	69.0	69.0
	343 °C	8.4	18.4	36.2	69.0	69.0
Outlet pressure limit Conventional design		18.4	18.4	18.4	18.4	18.4
Outlet pressure limit Balanced bellows design		5.5	5.5	10.3	10.3	10.3

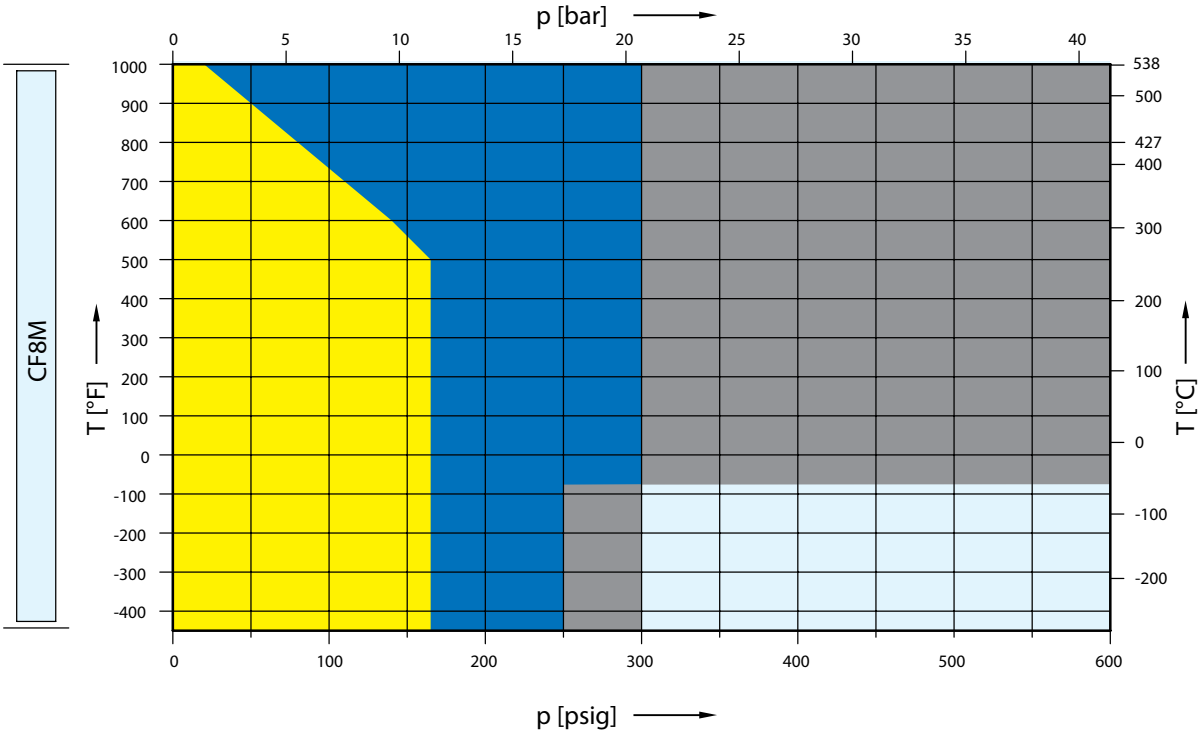
Remark: SA 352 Gr. LCB is not listed in the API 526. Pressure-Temperature Rating acc. to ASME B16.34 Table 2-1.3
The stated Pressure-Temperature Rating are taken from ASME B16.34 Table 2-1.3 if the maximum pressure is not limited by API 526.

* Pressure- Temperature Rating acc. to API 526 and ASME B 16.34 Table 2-2.2

Type 526 IC
Orifice Q
Selection charts

	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 150	2500 x 300
WCB	5260.0681	use #300 valve	5260.0701	5260.0711	–	–	–
SIZE	6″X 8″	6″X 8″	6″X 8″	6″X 8″	–	–	–





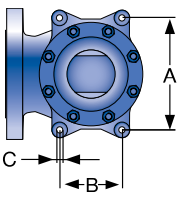
Type 526 IC
Orifice Q
Article numbers, dimensions and weights

Article numbers		5260.0681	Use 6 Q 8 300 x 150	5260.0701	5260.0711
	Valve size	6 Q 8	6 Q 8	6 Q 8	6 Q 8
	Flange rating class Inlet x Outlet	150 x 150	300L x 150	300 x 150	600 x 150
	Actual Orifice diameter d_0 [mm]	105.5	105.5	105.5	105.5
	Actual Orifice area A_0 [mm²]	8742	8742	8742	8742

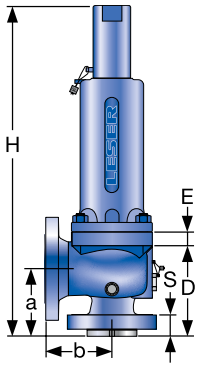
Dimensions and weights

Metric units					
Weight [kg]		221	Use 6 Q 8 300 x 150	221	221
	with bellows	230		230	230
Center to face [mm]	Inlet a	240		240	240
	Outlet b	241		241	241
	s	68		68	68
Height (H4) [mm]	Standard H max.	1120		1120	1120[1]
	Bellows H max.	1200		1200	1200[2]
Support brackets [mm]	A	370		370	370
	B	210		210	210
	C	Ø 18		Ø 18	Ø 18
	D	346		346	346
	E	25		25	25
US units					
Weight [lbs]		487.3	Use 6 Q 8 300 x 150	487.3	487.3
	with bellows	507.2		507.2	507.2
Center to face [inch]	Inlet a	9 7/16		9 7/16	9 7/16
	Outlet b	9 1/2		9 1/2	9 1/2
	s	2 11/16		2 11/16	2 11/16
Height (H4) [inch]	Standard H max.	44 1/8		44 1/8	44 1/8 [1]
	Bellows H max.	47 1/4		47 1/4	47 1/4 [2]
Support brackets [inch]	A	14 9/16		14 9/16	14 9/16
	B	8 9/32		8 9/32	8 9/32
	C	Ø 23/32		Ø 23/32	Ø 23/32
	D	13 5/8		13 5/8	13 5/8
	E	31/32		31/32	31/32

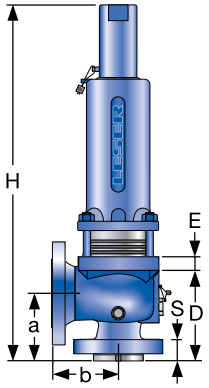
Code for lifting device		
Lifting device	**H2**	**H4**
Bonnet	closed	closed
WCB, WC6, LCB	2	4
CF8M, CF3M	2	4



Support brackets



Conventional design



Balanced bellows design

[1] Type 526 high pressure design: 1202 mm / 47 5/16 inch
[2] Type 526 high pressure design: 1282 mm / 50 1/2 inch

Type 526 IC
Orifice Q
Pressure temperature ratings
Metric units

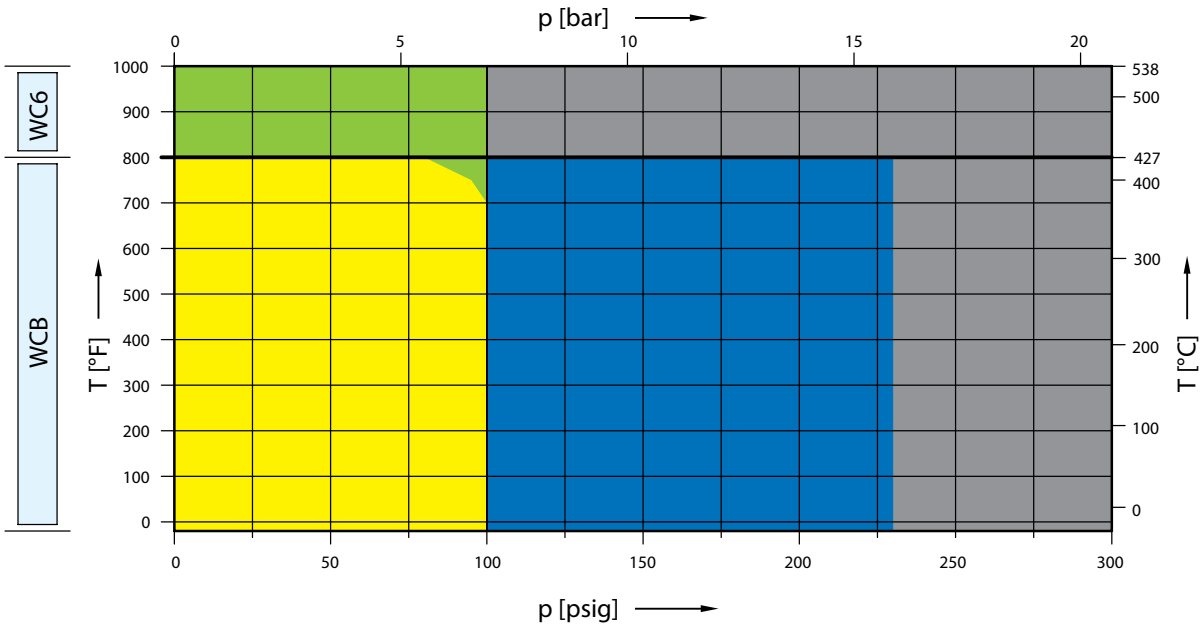
Article numbers		5260.0681	-	5260.0701	5260.0711
Valve size		6 Q 8	6 Q 8	6 Q 8	6 Q 8
Flange rating class Inlet x Outlet		150 x 150	300L x 150	300 x 150	600 x 150
Actual Orifice diameter d_0 [mm]		105.5	105.5	105.5	105.5
Actual Orifice area A_0 [mm²]		8742	8742	8742	8742
Minimum set pressure [bar] S/G/L		0.2	0.2	0.2	0.2
Minimum set pressure [bar] S/G		1.3	1.3	1.3	1.3
Balanced bellows Inconel [bar] L		2.3	2.3	2.3	2.3
Body material: WCB			**Pressure range p [bar] S/G/L**		
Maximum set pressure	-29 to 38 °C	11.4	Use 6 Q 8 300 x 150	20.7	41.4 (70)
	232 °C	11.4		20.7	41.4 (70)
	427 °C	5.5		20.7	41.4 (56.9)
Outlet pressure limit Conventional design		7.9		7.9	7.9
Outlet pressure limit Balanced bellows design		4.8		7.9	7.9
Body material: CF8M / CF3M*			**Pressure range p [bar] S/G/L**		
Maximum set pressure	-268 to -60 °C	11.4	Use 6 Q 8 300 x 150	17.2	20.7
	-59 to -29 °C	11.4		20.7	41.4
	-28 to 38 °C	11.4		20.7	41.4
	232 °C	11.4		20.7	41.4
	427 °C	5.5		20.7	41.4
	538 °C	1.4		20.7	41.4
Outlet pressure limit Conventional design		7.9		7.9	7.9
Outlet pressure limit Balanced bellows design		4.8		7.9	7.9
Body material: WC6			**Pressure range p [bar] S/G/L**		
Maximum set pressure	427 °C	–	Use 6 Q 8 300 x 150	11.4	41.4 (70)
	538 °C	–		11.4	29.7 (29.7)
Outlet pressure limit Conventional design		–		7.9	7.9
Outlet pressure limit Balanced bellows design		–		7.9	7.9
Body material: LCB			**Pressure range p [bar] S/G/L**		
Maximum set pressure	-46 to 38 °C	11.4	Use 6 Q 8 300 x 150	20.7	41.4 (70)
	200 °C	11.4		20.7	41.4 (70)
	343 °C	8.4		20.7	41.4 (70)
Outlet pressure limit Conventional design		7.9		7.9	7.9
Outlet pressure limit Balanced bellows design		4.8		7.9	7.9

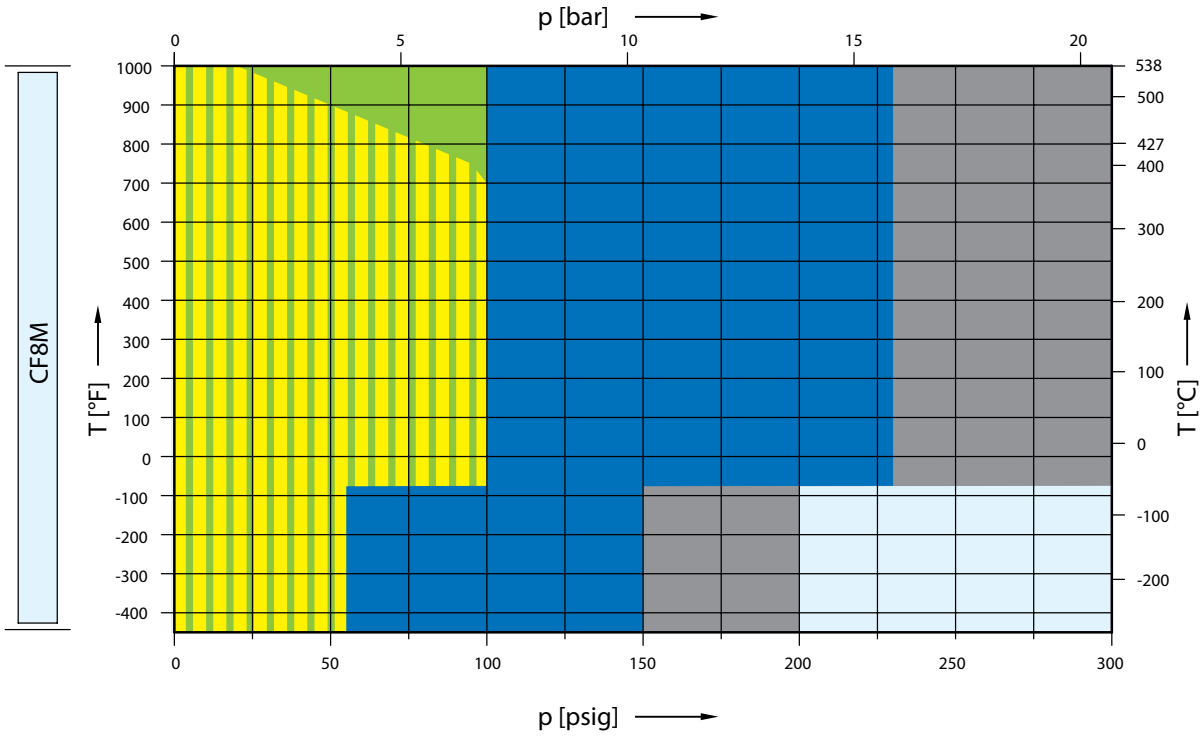
Remark: SA 352 Gr. LCB is not listed in the API 526. Pressure-Temperature Rating acc. to ASME B16.34 Table 2-1.3
The stated Pressure-Temperature Rating are taken from ASME B16.34 Table 2-1.3 if the maximum pressure is not limited by API 526.

* Pressure- Temperature Rating acc. to API 526 and ASME B 16.34 Table 2-2.2

Type 526 IC
Orifice R
Selection charts

	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 150	2500 x 300
WCB	5260.0721	5260.0731	5260.0741	5260.0751	–	–	–
SIZE	6″ X 8″	6″ X 8″	6″ X 10″	6″ X 10″	–	–	–





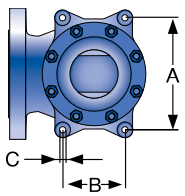
Type 526 IC
Orifice R
Article numbers, dimensions and weights

Article numbers		5260.0721	5260.0731	5260.0741	5260.0751
	Valve size	6 R 8	6 R 8	6 R 10	6 R 10
	Flange rating class $_{\text{Inlet x Outlet}}$	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

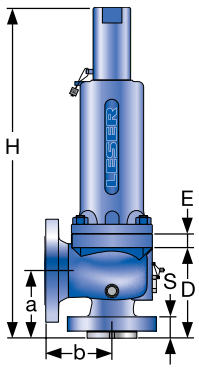
Dimensions and weights

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

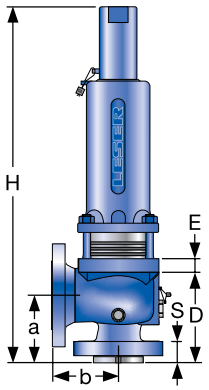
Code for lifting device		
Lifting device	**H2**	**H4**
Bonnet	closed	closed
WCB, WC6, LCB	2	4
CF8M, CF3M	2	4



Support brackets



Conventional design



Balanced bellows design

Type 526 IC
Orifice R
Pressure temperature ratings
Metric units

Article numbers		5260.0721	5260.0731	5260.0741	5260.0751
Valve size		6 R 8	6 R 8	6 R 10	6 R 10
Flange rating class $_{\text{Inlet x Outlet}}$		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			**Pressure range p [bar] S/G/L**		
Maximum Set pressure	-29 to 38 °C	6.9	6.9	15.9	20.7 (63)
	232 °C	6.9	6.9	15.9	20.7 (63)
	427 °C	5.5	6.9	15.9	20.7 (56.7)
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 / CF3M*			**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
	232 °C	6.9	6.9	15.9	20.7
	427 °C	5.5	6.9	15.9	20.7
	538 °C	1.4	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: WC6			**Pressure range p [bar] S/G/L**		
Maximum Set pressure	427 °C	–	6.9	–	20.7 (63)
	538 °C	–	6.9	–	20.7 (29.7)
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 (63)
	200 °C	6.9	6.9	15.9	20.7 (63)
	343 °C	6.9	6.9	15.9	20.7 (63)
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

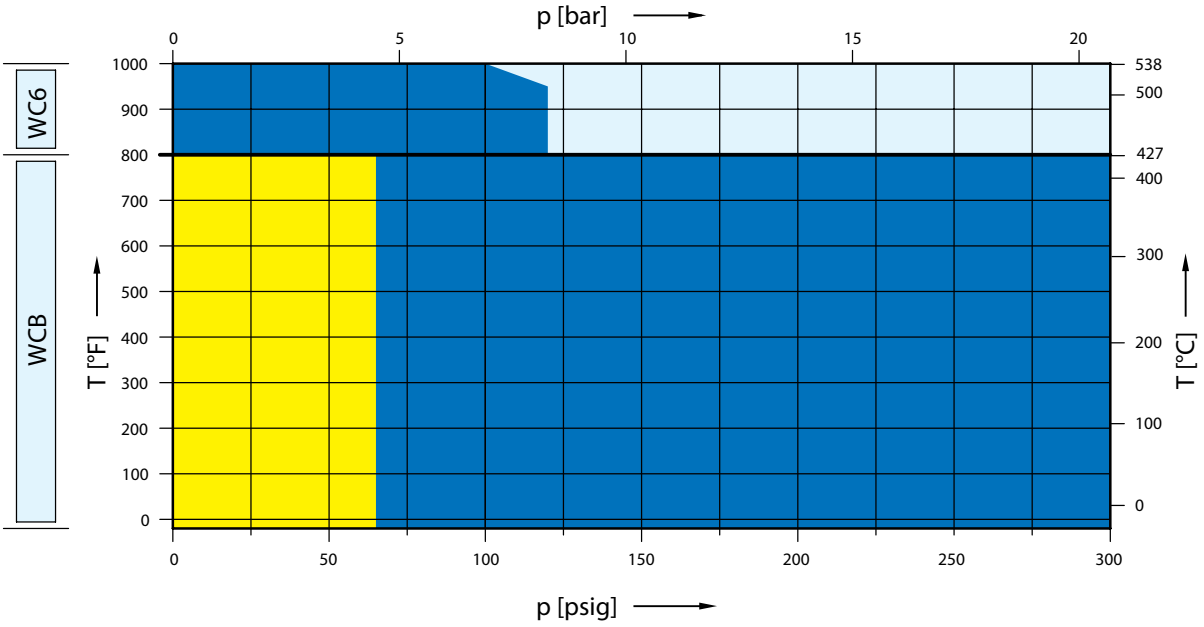
( ) = maximum set pressure of Type 526 high pressure design (Option code Z90)

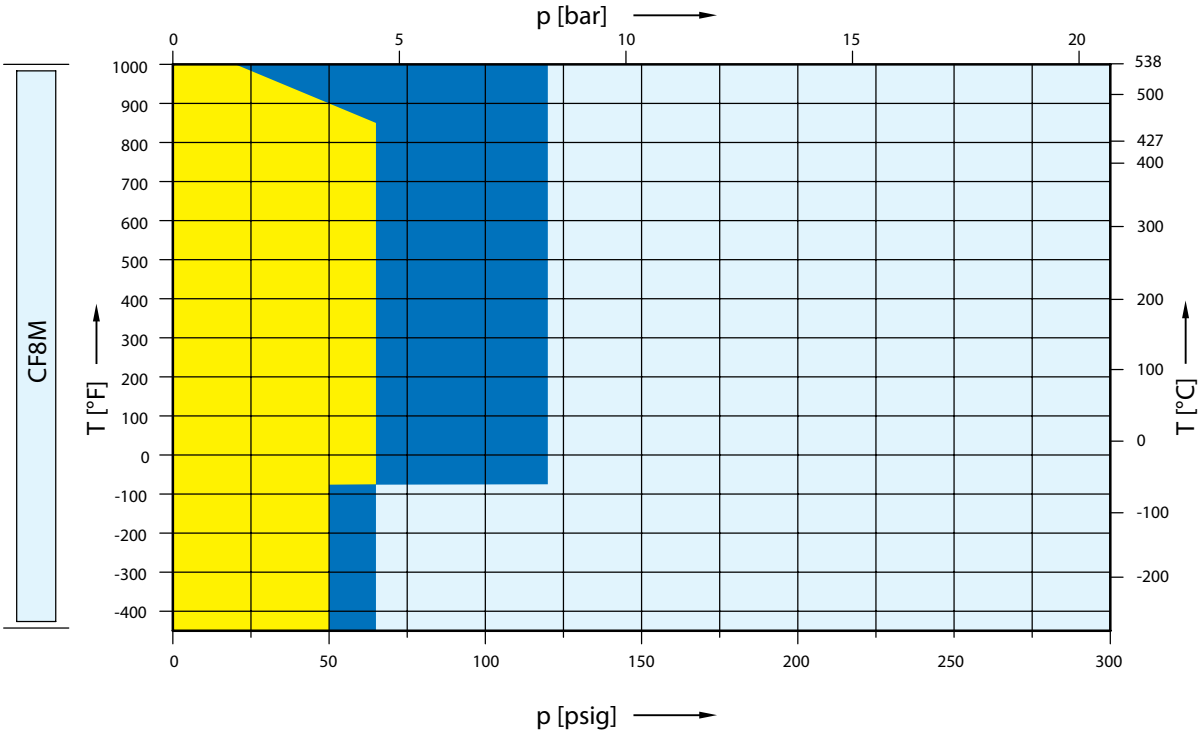
Remark: SA 352 Gr. LCB is not listed in the API 526. Pressure-Temperature Rating acc. to ASME B16.34 Table 2-1.3
The stated Pressure-Temperature Rating are taken from ASME B16.34 Table 2-1.3 if the maximum pressure is not limited by API 526.

* Pressure- Temperature Rating acc. to API 526 and ASME B 16.34 Table 2-2.2

Type 526 IC
Orifice T
Selection charts

	150 x 150	300L x 150	300 x 150	600 x 150	900 x 150	1500 x 150	2500 x 300
WCB	5260.0761	use #300 valve	5260.0781	–	–	–	–
SIZE	8″X 10″	8″X 10″	8″X 10″	–	–	–	–





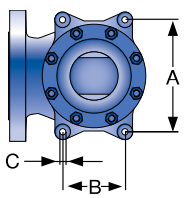
Type 526 IC
Orifice T
Article numbers, dimensions and weights

Article numbers		5260.0761	Use 8 T 10 300 x 150	5260.0781
	Valve size	8 T 10	8 T 10	8 T 10
	Flange rating class $_{\text{Inlet x Outlet}}$	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 [mm²]	20485	20485	20485

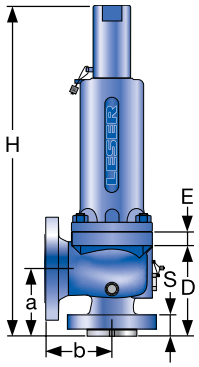
Dimensions and weights

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

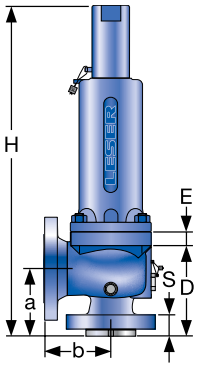
Code for lifting device		
Lifting device	**H2**	**H4**
Bonnet	closed	closed
WCB, WC6, LCB	2	4
CF8M, CF3M	2	4



Support brackets



Conventional design



Balanced bellows design

Type 526 IC
Orifice T
Pressure temperature ratings
Metric units

Article numbers		5260.0761	-	5260.0781
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 [mm²]		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			**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 (36)
	232 °C	4.5		20.7 (36)
	427 °C	4.5		20.7 (28.3)
Outlet pressure limit Conventional design		2.1		6.9
Outlet pressure limit Balanced bellows design		2.1		6.9
Body material: CF8M / CF3M*			**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
	232 °C	4.5		8.3
	427 °C	4.5		8.3
	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			**Pressure range p [bar] S/G/L**	
Maximum Set pressure	427 °C	–	Use 8 T 10 300 x 150	20.7 (35.2)
	538 °C	–		15.5 (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 (36)
	200 °C	4.5		20.7 (36)
	343 °C	4.5		20.7 (36)
Outlet pressure limit Conventional design		2.1		6.9
Outlet pressure limit Balanced bellows design		2.1		6.9

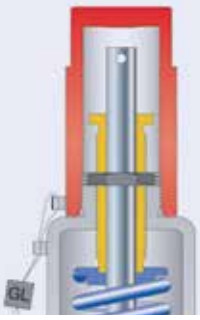
( ) = maximum set pressure of Type 526 high pressure design (Option code Z90)

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.

* Pressure- Temperature Rating acc. to API 526 and ASME B 16.34 Table 2-2.2

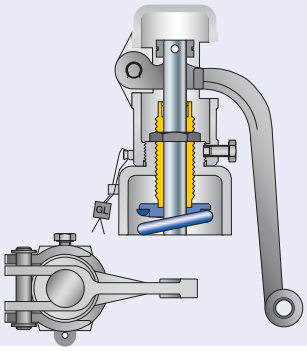
Type 526 IC
Available options

Screwed cap H2
FF2



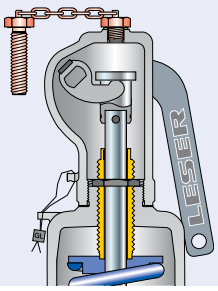
Lifting device H4
FF3

Plain lever H3

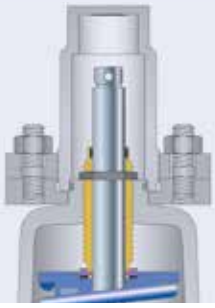


Open bonnet
F7C

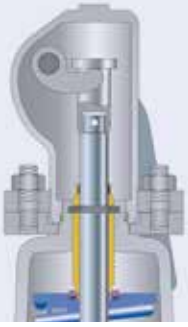
Test gag
F5H



Bolted cap H1
F2H



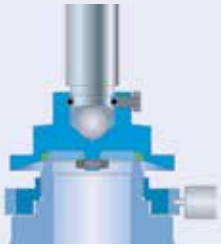
Bolted lifting device H6
F4H



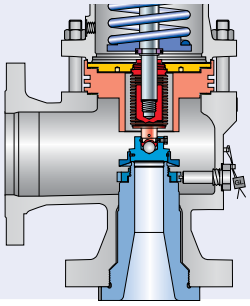
Outlet flange rating class 300

300 X 300 = H65, H80
600 X 300 = H67, H80
900 X 300 = H68, H80
(1500 X 300)

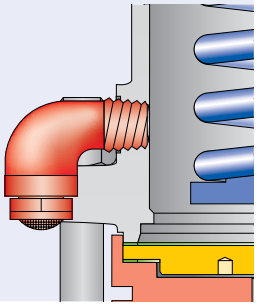
O-ring disc
FW3: CR "K"
FW9: EPDM "D"
FB1: FKM "L"
FW2: FFKM "C"



Inconel bellows
J83/J82



Bug screen
M70



INCONEL X-750 spring
X08

Spare parts kits

NACE sour gas application
F1U

NACE® INTERNATIONAL

Heating Jacket

Type 526 IC
Specification Sheet

		Item No.			1		2	
GENERAL	1	Tag Number						
	2	Quantity						
	3	Service						
	4	Nozzle (Full / Modified)						
	5	Design	(Safety / Relief / Safety Relief)					
	6	Type	(Conventional / Bellows / Pilot Operated)					
PROCESS CONDITIONS	7	Fluid		State				
	8	Required Capacity				Kg/hr		Kg/hr
	9	Molecular Mass						
	10	Oper. Pressure		Set Pressure	Barg	Barg	Barg	Barg
	11	Oper. Temperature		RelievingTemperature	^{0}C	^{0}C	^{0}C	^{0}C
	12	Back Pressure		Constant	Barg	Barg	Barg	Barg
	13			Variable		Barg		Barg
	14			Total		Barg		Barg
	15	Allowable overpressure				%		%
	16	Compressibility Factor						
	17	Ratio of Specific Heats						
	18	Relief Density				kg/m3		kg/m3
	19	Relief Viscosity				cP		cP
BASIS AND SELECTION	20	Design Code						
	21	Sizing Basis **						
	22	Calculated Area				Sq. inch		Sq. inch
	23	Selected Area				Sq. inch		Sq. inch
	24	Orifice Designation						
CONNECTIONS	25	Size: Inlet		Outlet				
	26	Connections (Flanged / Threaded)						
	27	Rating		Facing				
MATERIALS	28	Body and Bonnet						
	29	Nozzle and Disc						
	30	Resilient Seat Seal						
	31	Spring						
	32	Bellows						
	33	Gasket						
	34							
OPTIONS	35	Bonnet Type		Closed / Open				
	36	Cap type		Closed / Packed lever				
	37	Test Gag						
	38							
INSPECTION / CERTIFICATION	39	ASME Code Stamp (Required / Not required)						
	40	IBR Certificate (Required / Not required)						
	41	CCOE Certificate (Required / Not required)						
	42	Others						
PRODUCT DETAILS	43	Model (Article) No.						

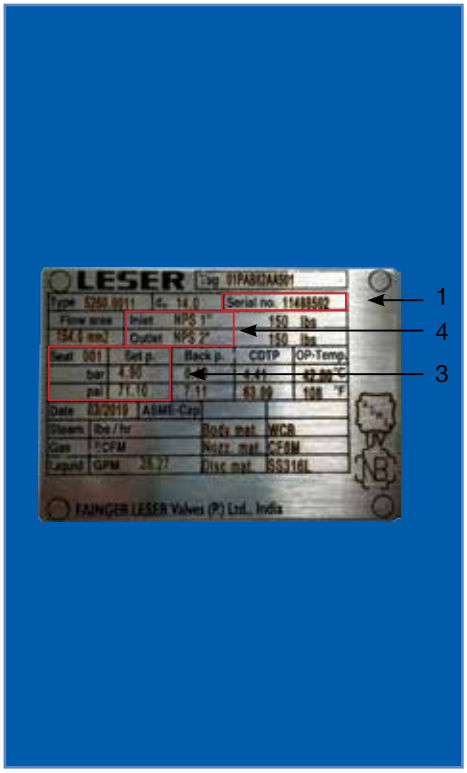
** If sizing basis is FIRE EXPOSURE, the tank dimensions / tank area and latent heat of vaporization shall be required.

Type 526 IC
Ordering Information

A- Replacement of valves

To replace a valve in service, the valve serial number, set pressure, material, valve article (model) number and previous order number / our sales order (work order) number should be specified.

The above information would be available on the nameplate/ paper tag of the valve as shown below:



1 Valve Serial Number

2 Extended Article No.

3 Set Pressure

4 Inlet and Outlet size

5 FL Job Number

Tag Plate on Valve

Paper Tag on Valve

B- Replacement of spares

Springs

For ordering of springs, the set pressure also must be specified. If the spring is for a conventional valve, and if there is a constant back pressure, the same should be specified.

Other valve components

For ordering of other spare components, Nozzle, Disc, gasket etc.. following information would be required:

1. Quantity
2. Part name / part number / Material
3. Valve Size, Valve type and valve article (model) number
4. Valve Sr. No. from the nameplate
5. Original purchase order number or our sales order (work order) number

Type 526 IC

Type 526 IC -

The advanced safety valves for the requirements of the Indian Oil & Gas, petrochemical & chemical industry

Other products

Type 441 IC

Flanged standard pressure series suitable for steam, gas and liquid service. They have proven themselves as a universal safery valve for many applications. IBR & CCoE approved.

Type 237 IC

For all smaller capacity applications of steam, gases and liquids. Available with “UV” Stamp, IBR and CCoE approval.

Type 459 IC

Safety valve for gas, liquid or steam, also for thermal relief application. Available in screwed and flanged connection for all utility applications. Available with “UV” Stamp, IBR and CCoE approval.

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Type 526 IC
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