

SPENCE SAFETY VALVE SELECTION CHART

SAFETY RELIEF VALVE SELECTION CHART

Valve Series	Inlet Sizes inches (mm)	Min/Max* Set Pressures PSIG (barg)	Min/Max* Temperatures °F (°C)	Connections		Fluid					O ₂ Cleaning	ASME Section ⁺	PED [†]	Page
				Threaded	Flanged	Steam	Air	Gas	Liquid	Vacuum				
10	3/4 - 3 (20 - 80)	5 - 15 (.3 - 1)	-10 to 250 (-29 to 121)	X		X						IV		230
15C/15LC	3/4 - 3 (20 - 80)	5 - 15 (.3 - 1)	-20 to 400 (-29 to 204)	X			X	X				VIII (2" only)		232
15A/15LA	3/4 - 3 (20 - 80)	5 - 15 (.3 - 1)	-20 to 400 (-29 to 204)	X			X	X				None		232
15V/15LV	3/4 - 3 (20 - 80)	5 - 30 in HG (169.3 - 1015.9 mbarg)	-20 to 400 (-29 to 204)	X						X		None		234
31/33 Bronze	1/2 - 2-1/2 (15 - 65)	5 - 250 (.3 - 17.2)	-20 to 406 (-29 to 208)	X		X						I	†	204
32 Bronze	1/2 - 2-1/2 (15 - 65)	5 - 300 (.3 - 20.7)	-20 to 422 (-29 to 216)	X		X						I	†	204
41/43 Bronze	1/2 - 2-1/2 (15 - 65)	5 - 250 (.3 - 17.2)	-20 to 406 (-29 to 208)	X		X						VIII	†	204
42 Bronze	1/2 - 2-1/2 (15 - 65)	5 - 300 (.3 - 20.7)	-20 to 422 (-29 to 216)	X		X						VIII	†	204
41A/43A Bronze	1/2 - 2-1/2 (15 - 65)	5 - 250 (.3 - 17.2)	-20 to 406 (-29 to 208)	X			X					VIII	†	204
42A Bronze	1/2 - 2-1/2 (15 - 65)	5 - 300 (.3 - 20.7)	-20 to 422 (-29 to 216)	X			X					VIII	†	204
41AA Bronze	1/2 - 3/4 (15 - 20)	5 - 250 (.3 - 17.2)	-20 to 406 (-29 to 208)	X			X	X				VIII	†	204
42AA Bronze	1/2 - 3/4 (15 - 20)	5 - 300 (.3 - 20.7)	-20 to 422 (-29 to 216)	X			X	X				VIII	†	204
41AT/43AT Bronze	1/2 - 2 (15 - 50)	5 - 250 (.3 - 17.2)	-20 to 406 (-29 to 208)	X			X					VIII	†	204
42AT Bronze	1/2 - 2 (15 - 50)	5 - 300 (.3 - 20.7)	-20 to 422 (-29 to 216)	X			X					VIII	†	204
31/32 Cast Iron	1-1/2 - 6 (40 - 150)	5 - 250 (.3 - 17.2)	-20 to 406 (-29 to 208)	X	X	X						I		212
41/42 Cast Iron	1-1/2 - 6 (40 - 150)	5 - 250 (.3 - 17.2)	-20 to 406 (-29 to 208)	X	X	X						VIII		212
41A/42A Cast Iron	1-1/2 - 6 (40 - 150)	5 - 250 (.3 - 17.2)	-20 to 406 (-29 to 208)	X	X		X					VIII		212
810/812/814/816	1/2 - 1-1/2 (15 - 40)	5 - 250 (.3 - 17.2)	-20 to 406 (-29 to 208)	X		X	X	X	X	X		VIII	†	218
		10 to 30 in HG (338.6 to 1015.9 mbarg)												
820/822/824/826	1/2 - 1-1/2 (15 - 40)	5 - 900* (.3 - 62.0)	-20 to 422 (-29 to 216)	X		X	X	X	X	X		VIII	†	218
		10 to 30 in HG (338.6 to 1015.9 mbarg)												
860/862/864/866	1/2 - 1-1/2 (15 - 40)	5 - 900* (.3 - 62.0)	-20 to 422 (-29 to 216)	X		X	X	X	X	X		VIII	†	218
		10 to 30 in HG (338.6 to 1015.9 mbarg)												
50/52	2 (50)	10 - 30 (.7 - 2.1)	-20 to 225 (-29 to 107)	X			X					None		236
51/53	2 (50)	10 - 30 (.7 - 2.1)	-20 to 225 (-29 to 107)	X			X					VIII		236
710/715 RXSO	1/2 - 2 (15 - 50)	10-400 (.7 - 27.6)	-423 - 400 (-252 - 204)	X			X	X			X	VIII	†	242
760/765 RXSO-S	1/2 - 1 (15 - 25)	10-400 (.7 - 27.6)	-423 - 400 (-252 - 204)	X			X	X			X	VIII	†	244
770 RSL	1/2 - 2 (15 - 50)	10-300 (.7 - 27.6)	0 - 300 (-17 - 148)	X					X		X	None		246
775 RLS-S	1/2 - 2 (15 - 50)	10-300 (.7 - 27.6)	0 - 300 (-17 - 148)	X					X		X	None		246

* Pressure and temperature ranges may vary, depending upon valve size, material, etc. Please consult the appropriate product catalog for specific data.

+ ASME does not certify valves below 15 PSIG.

† Consult Factory for PED availability.

