1900/P Series

Safety Relief Valve

Consolidated®

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The 1900/P Series Safety Relief Valves are for the following applications only:

ASME B & PVC, Section I Steam and Flashing Water Applications and Organic Vapor Service

The P1 and P3 Series designs are not for ASME B & PVC, Section I Boiler Drum, Superheater or Reheater Applications.

1900/P1 Series

Conventional design - An exclusive with CONSOLIDATED valves, the Eductor Tube removes pressure from the bonnet when the valve is open. "D" through "T" orifice sizes. The D & E orifice are restricted lift.

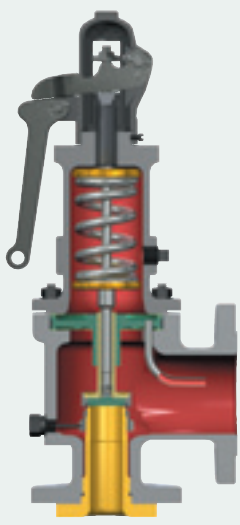
1900-30/P1 Series

Balanced bellows design - Sealing off the guiding area and upper valve parts protects the internal parts above the bellows from exposure to the process fluid. The balanced bellows also cancels out the effects of variable or constant back pressure at the outlet side. "D" through "T" orifice sizes. The D & E orifice are restricted lift.

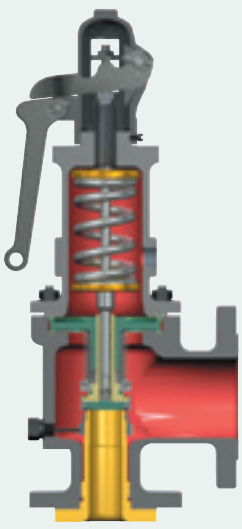
1900/P3 Series

Exposed spring design - The spring in this design is exposed for atmospheric cooling. "D" through "T" orifice sizes.

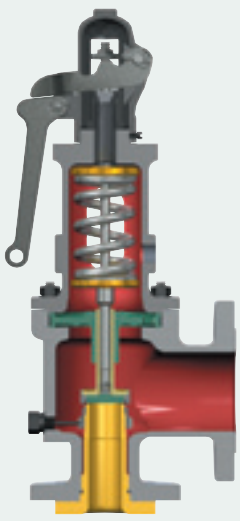
Standard in all three types, the Thermodisc™ Seat is designed for a high degree of seat tightness for steam service or organic fluid applications.



1900/P1 Series



1900-30/P1 Series



1900/P3 Series

1900/P Series Overview

1900/P Inlet x Outlet Size (in.) & Flange Rating Combinations - Orifice Area (Sq. in.)

ASME API ORIFICE	0.1279 0.11 D	0.2279 0.196 E	0.3568 0.307 F	0.5849 0.503 G	0.9127 0.7851 H	1.496 1.287 J
1905	1 - 150 x 2 - 150	1 - 150 x 2 - 150	1-1/2 - 150 x 2 - 150	1-1/2 - 150 x 3 - 150	1-1/2 - 150 x 3 - 150	2 - 150 x 3 - 150
1906	1 - 300 x 2 - 150	1 - 300 x 2 - 150	1-1/2 - 300 x 2 - 150	1-1/2 - 300 x 3 - 150	1-1/2 - 300 x 3 - 150	2 - 300 x 3 - 150
1910	1 - 300 x 2 - 150	1 - 300 x 2 - 150	1-1/2 - 300 x 2 - 150	1-1/2 - 300 x 3 - 150	2 - 300 x 3 - 150	3 - 300 x 4 - 150
1912	1 - 600 x 2 - 150	1 - 600 x 2 - 150	1-1/2 - 600 x 2 - 150	1-1/2 - 600 x 3 - 150	2 - 600 x 3 - 150	3 - 600 x 4 - 150
1914	1-1/2 - 900 x 2 - 300	1-1/2 - 900 x 2 - 300	1-1/2 - 900 x 3 - 300	1-1/2 - 900 x 3 - 300	2 - 900 x 3 - 150	3 - 900 x 4 - 150
1916	1-1/2 - 1500 x 2 - 300	1-1/2 - 1500 x 2 - 300	1-1/2 - 1500 x 3 - 300	2 - 1500 x 3 - 300	2 - 1500 x 3 - 300	3 - 1500 x 4 - 300
1918	1-1/2 - 2500 x 3 - 300	1-1/2 - 2500 x 3 - 300	1-1/2 - 2500 x 3 - 300	2 - 2500 x 3 - 300	—	—
1920	1 - 300 x 2 - 150	1 - 300 x 2 - 150	1-1/2 - 300 x 2 - 150	1-1/2 - 300 x 3 - 150	2 - 300 x 3 - 150	3 - 300 x 4 - 150
1921	—	—	—	—	—	—
1922	1 - 600 x 2 - 150	1 - 600 x 2 - 150	1-1/2 - 600 x 2 - 150	1-1/2 - 600 x 3 - 150	2 - 600 x 3 - 150	3 - 600 x 4 - 150
1923	—	—	—	—	—	—
1924	1-1/2 - 900 x 2 - 300	1-1/2 - 900 x 2 - 300	1-1/2 - 900 x 3 - 300	1-1/2 - 900 x 3 - 300	2 - 900 x 3 - 150	3 - 900 x 4 - 150
1926	1-1/2 - 1500 x 2 - 300	1-1/2 - 1500 x 2 - 300	1-1/2 - 1500 x 3 - 300	2 - 1500 x 3 - 300	2 - 1500 x 3 - 300	3 - 1500 x 4 - 300
1928	1-1/2 - 2500 x 3 - 300	1-1/2 - 2500 x 3 - 300	1-1/2 - 2500 x 3 - 300	2 - 2500 x 3 - 300	—	—

1900/P Inlet x Outlet Size (in.) & Flange Rating Combinations - Orifice Area (Sq. in.)

ASME API ORIFICE	2.138 1.838 K	3.317 2.853 L	4.186 3.6 M	5.047 4.34 N	7.417 6.38 P	12.85 11.05 Q	18.6 16 R	30.21 26 T
1905	3 - 150 x 4 - 150	3 - 150 x 4 - 150	4 - 150 x 6 - 150	4 - 150 x 6- 150	4 - 150 x 6 - 150	6 - 150 x 8 - 150	6 - 150 x 8 - 150	8 - 150 x 10 - 150
1906	3 - 300 x 4 - 150	3 - 300 x 4 - 150	4 - 300 x 6 - 150	4 - 300 x 6 - 150	4 - 300 x 6 - 150	6 - 300 x 8 - 150	6 - 300 x 8 - 150	8 - 300 x 10 - 150
1910	3 - 300 x 4 - 150	4 - 300 x 6 - 150	4 - 300 x 6 - 150	4 - 300 x 6 - 150	4 - 300 x 6 - 150	6 - 300 x 8 - 150	6 - 300 x 10 - 150	8 - 300 x 10 - 150
1912	3 - 600 x 4 - 150	4 - 600 x 6 - 150	4 - 600 x 6 - 150	4 - 600 x 6 - 150	4 - 600 x 6 - 150	6 - 600 x 8 - 150	6 - 600 x 10 - 150	8 - 600 x 10 - 150
1914	3 - 900 x 6 - 150	4 - 900 x 6 - 150	4 - 900 x 6 - 150	4 - 900 x 6 - 150	4 - 900 x 6 - 150	—	—	—
1916	3 - 1500 x 6 - 300	4 - 1500 x 6 - 150	—	—	—	—	—	—
1918	—	—	—	—	—	—	—	—
1920	3 - 300 x 4 - 150	4 - 300 x 6 - 150	4 - 300 x 6 - 150	4 - 300 x 6 - 150	4 - 300 x 6 - 150	6 - 300 x 8 - 150	6 - 300 x 8 - 150	8 - 300 x 10 - 150
1921	—	—	—	—	—	—	—	—
1922	3 - 600 x 4 - 150	4 - 600 x 6 - 150	4 - 600 x 6 - 150	4 - 600 x 6 - 150	—	6 - 600 x 8 - 150	6 - 600 x 10 - 150	8 - 300 x 10 - 150
1923	—	—	—	—	4 - 600 x 6 - 150	—	—	—
1924	3 - 900 x 6 - 150	4 - 900 x 6 - 150	4 - 900 x 6 - 150	4 - 900 x 6 - 150	4 - 900 x 6 - 150	—	—	—
1926	3 - 1500 x 6 - 300	4 - 1500 x 6 - 150	—	—	—	—	—	—
1928	—	—	—	—	—	—	—	—

NOTES: Inlet and outlet size combinations as well as Orifice sizes shown in the table above are compliant with API standard 526 - Fourth Edition, 1995.
Inlet and outlet flange ratings per ANSI B16.5
For inlet facing selections refer to General Information Section.

1900/P1 Conventional Safety Relief Valves For Steam and Organic Fluids

ASME B & PVC, Section I Organic Fluid, Steam & Flashing Water Applications

Steel, Flat Seat, High Capacity, Stainless Steel Trim

Class Ratings
150, 300, 600, 900, 1500, 2500 psig

Temperature Ratings
1905-1918 – 0°F(17.8°C) to 800°F(426.7°C)
1920-1928 – 801°F(427.2°C) to 850°F(454.4°C)

Orifice Sizes
Lettered "D" through "T"

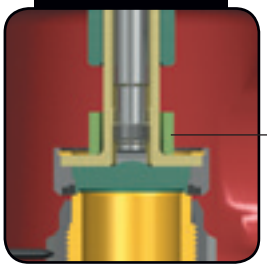
Inlets-Outlets
1" x 2" through 8" x 10" ANSI Flanged

Standard Material for 1900/P1 Conventional Safety Relief Valves

	Part	Material
1	Base: Types 1905 thru 1918	SA216 Grade WCC Carbon Steel
	Base: Types 1920 thru 1928	SA217 Grade WC6 Alloy Steel
2	Nozzle	316 SS
3	Adjusting Ring	316 SS
4	Adjusting Ring Pin	316 SS
5	Adjusting Ring Pin Gasket	Soft Iron
6	Disc	616 SS
7	Disc Holder	316 SS
8	Disc Holder Ring	410 SS
9	Holder Ring Retainer	Electroless Nickel Plated Carbon Steel
10	Guide	Alloy C97800 Leaded Nickel Silver
11	Guide Gasket	Soft Iron
12	Bonnet	SA216 Grade WCC Carbon Steel
13	Bonnet Gasket	Soft Iron
14	Base Stud	B7 Alloy Steel
15	Base Stud Nut	2H Carbon Steel
16	Spindle	410 SS
17	Spring Washer	Carbon Steel
18	Spring: Types 1905 thru 1918	Alloy Steel
	Spring: Types 1920 thru 1928	Inconel X750 or Tungsten Steel
19	Adjusting Screw	416 SS
20	Adjusting Screw Nut	416 SS
22	Plain Cap	Malleable Iron
38	Eductor Tube	304 SS
39	Pipe Plug	Carbon Steel
40	Limit Washer (D & E orifice only)	316 SS

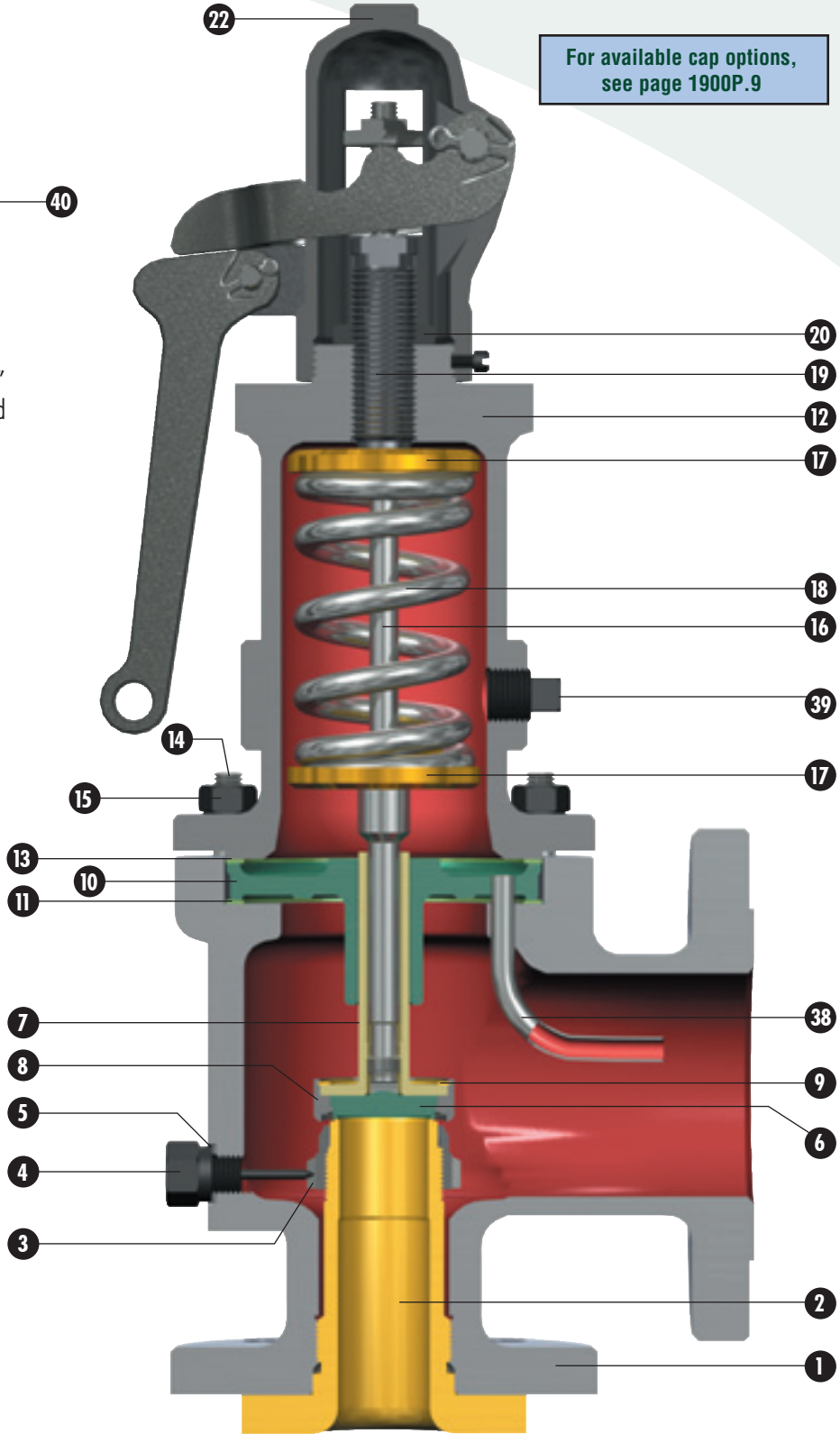
NOTE: (1900/P1 Series design is not for ASME B & PVC Section I Boiler Drum, Superheater or Reheater applications.)

D & E Orifice only Restricted Lift



The D and E valves are restricted lift versions of the "F" orifice valve. The lift is restricted by a limit washer to provide the equivalent effective orifice area for a "D" or "E" orifice. This design is available with a balanced bellows configuration and is designed for back pressure applications.

For available cap options, see page 1900P.9



1900/P1 Series

1900-30/P1 Balanced Bellows Safety Relief Valves For Steam and Organic Fluids

ASME B & PVC, Section I Organic Fluid, Steam & Flashing Water Applications

Steel, Flat Seat, High Capacity, Stainless Steel Trim With Backpressure Compensating Bellows

Class Ratings
150, 300, 600, 900, 1500, 2500 psig

Temperature Ratings
1905-1918 – 0°F(17.8°C) to 800°F(426.7°C)
1920-1928 – 801°F(427.2°C) to 850°F(454.4°C)

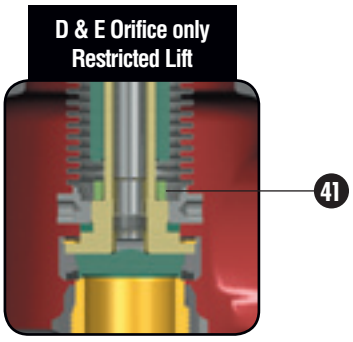
Orifice Sizes
Lettered "D" through "T"

Inlets-Outlets
1" x 2" through 8" x 10" ANSI Flanged

Standard Material for 1900-30/P1 Bellows Safety Relief Valves

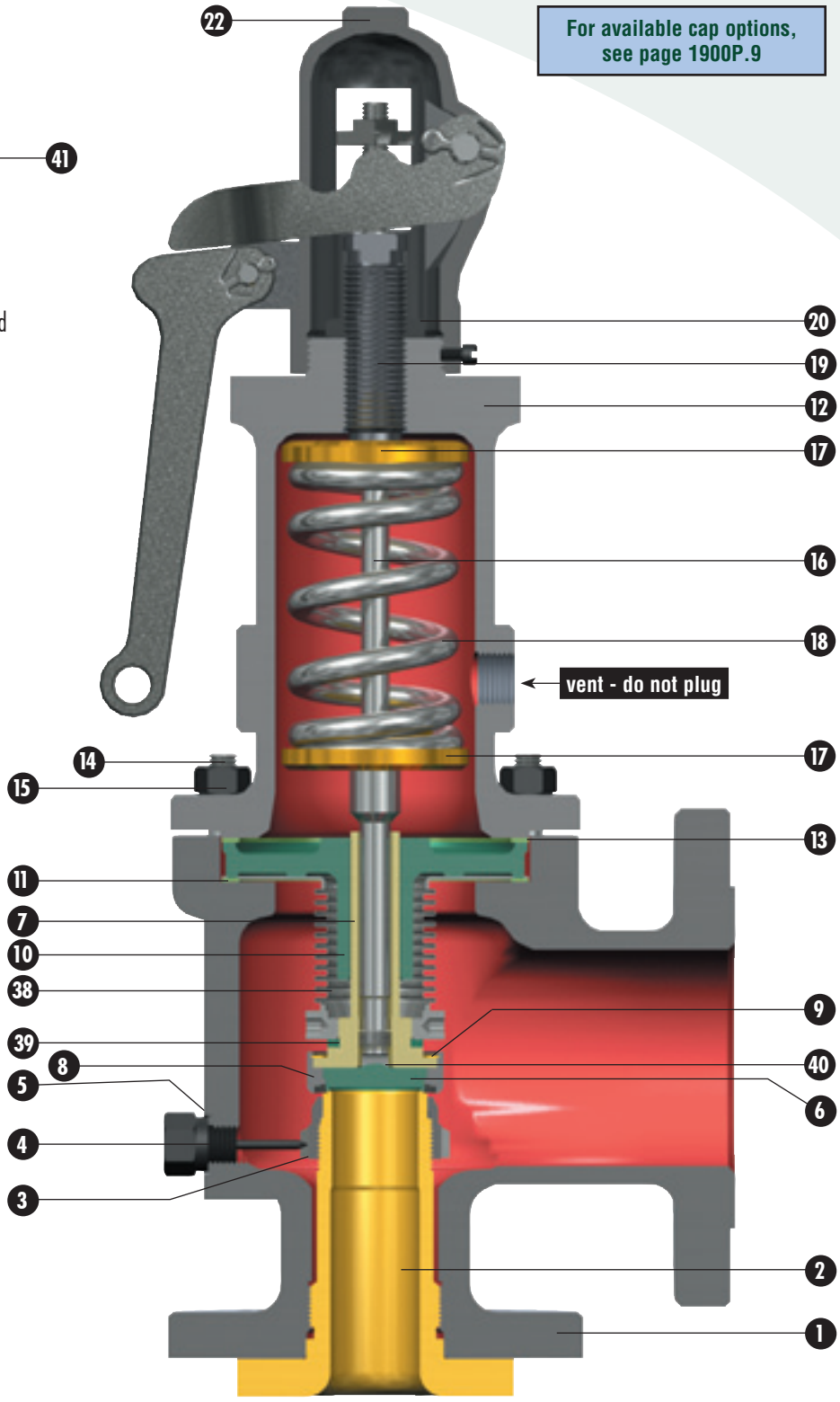
	Part	Material
1	Base: Types 1905-30 thru 1918-30	SA216 Grade WCC Carbon Steel
	Base: Types 1920-30 thru 1928-30	SA217 Grade WC6 Alloy Steel
2	Nozzle	316 SS
3	Adjusting Ring	316 SS
4	Adjusting Ring Pin	316 SS
5	Adjusting Ring Pin Gasket	Soft Iron
6	Disc	616 SS
7	Disc Holder	316 SS
8	Disc Holder Ring	410 SS
9	Holder Ring Retainer	Electroless Nickel Plated Carbon Steel
10	Guide	Alloy C97800 Leaded Nickel Silver
11	Guide Gasket	Soft Iron
12	Bonnet	SA216 Grade WCC Carbon Steel
13	Bonnet Gasket	Soft Iron
14	Base Stud	B7 Alloy Steel
15	Base Stud Nut	2H Carbon Steel
16	Spindle	410 Stainless Steel
17	Spring Washer	Carbon Steel
18	Spring: Types 1905 thru 1918	Alloy Steel
	Spring: Types 1920 thru 1928	Inconel X750 or Tungsten Steel
19	Adjusting Screw	416 SS
20	Adjusting Screw Nut	416 SS
22	Plain Cap	Malleable Iron
38	Bellows Assembly	—
	Bellows	Inconel 625 LCF
	Bellows Flange & Bellows Ring	316L SS
39	Bellows Gasket	Soft Iron
40	Seal Plate	304L SS
41	Limit Washer (D & E orifice only)	316 SS

NOTE: (1900-30/P1 Series design is not for ASME B & PVC Section I Boiler Drum, Superheater or Reheater applications.)



The D and E valves are restricted lift versions of the "F" orifice valve. The lift is restricted by a limit washer to provide the equivalent effective orifice area for a "D" or "E" orifice. This configuration is designed for back pressure applications.

For available cap options, see page 1900P.9



1900-30/P1 Series

1900/P3 Exposed Spring Safety Relief Valves for Steam Service

ASME B & PVC, Section I Steam Generator Applications

Steel, Flat Seat, High Capacity, Stainless Steel Trim

Class Ratings
150, 300, 600, 900, 1500, 2500 psig

Temperature Ratings
0°F(17.8°C) to 850°F(454.4°C)

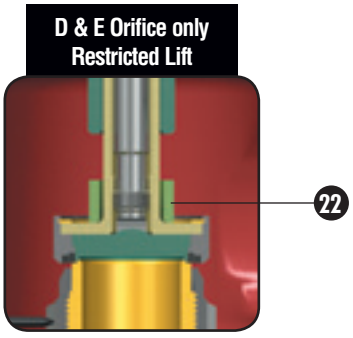
Orifice Sizes
Lettered "D" through "T"

Inlets-Outlets
1" x 2" through 8" x 10" ANSI Flanged

Standard Material for 1900/P3 Conventional Safety Relief Valves

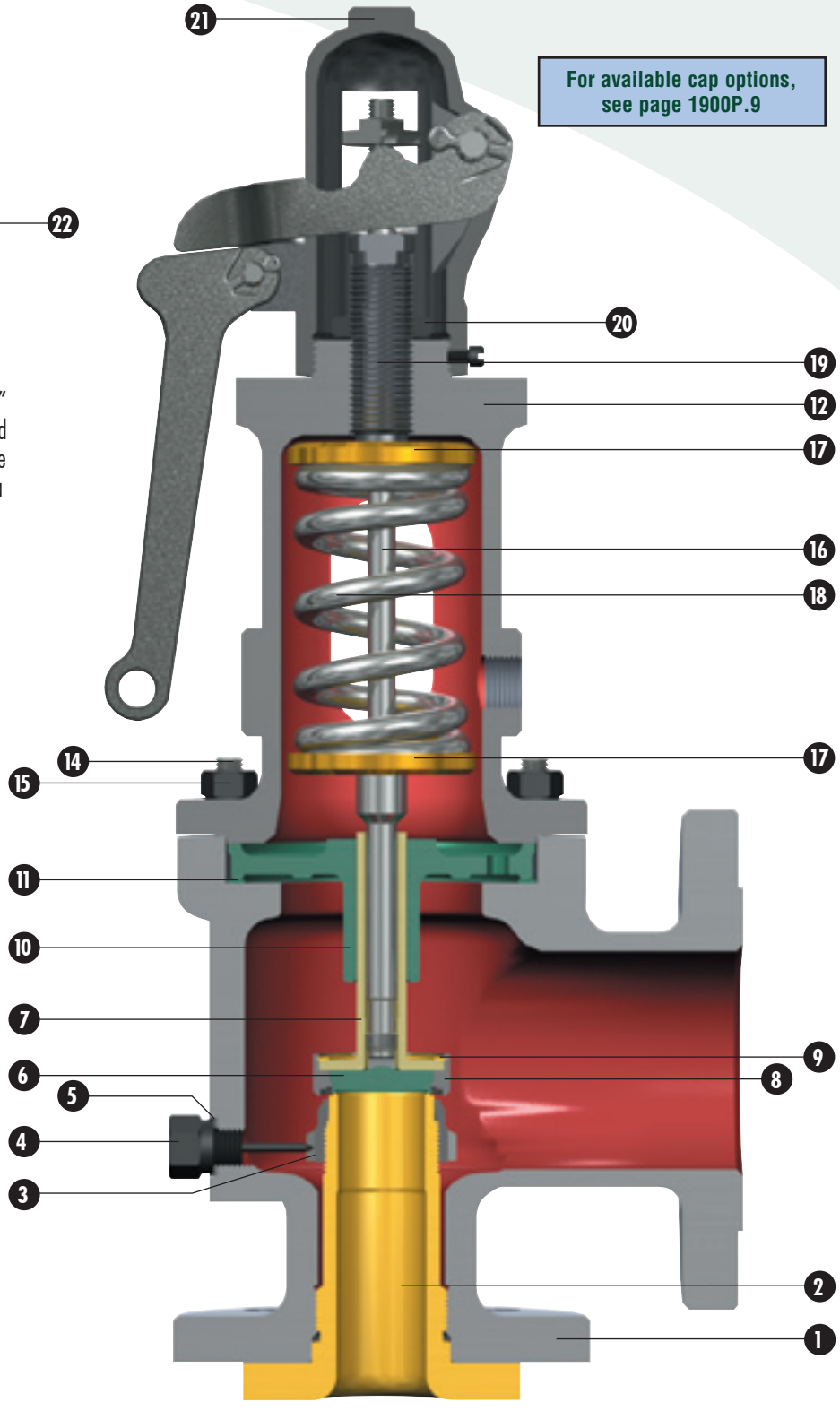
	Part	Material
1	Base: Types 1905 thru 1918	SA216 Grade WCC Carbon Steel
	Base: Types 1920 thru 1928	SA217 Grade WC6 Alloy Steel
2	Nozzle	316 SS
3	Adjusting Ring	316 SS
4	Adjusting Ring Pin	316 SS
5	Adjusting Ring Pin Gasket	Soft Iron
6	Disc	616 SS
7	Disc Holder	316 SS
8	Disc Holder Ring	410 SS
9	Holder Ring Retainer	Electroless Nickel Plated Carbon Steel
10	Guide	Alloy C97800 Leaded Nickel Silver
11	Guide Gasket	Soft Iron
12	Bonnet/Slotted	SA216 Grade WCC Carbon Steel
14	Base Stud	B7 Alloy Steel
15	Base Stud Nut	2H Carbon Steel
16	Spindle	410 SS
17	Spring Washer	Carbon Steel
18	Spring	Alloy Steel
19	Adjusting Screw	416 SS
20	Adjusting Screw Nut	416 SS
21	Plain Cap	Malleable Iron
22	Limit Washer (D & E orifice only)	316 SS

NOTE: (1900/P3 Series design is not for ASME B & PVC Section I Boiler Drum, Superheater or Reheater applications.)



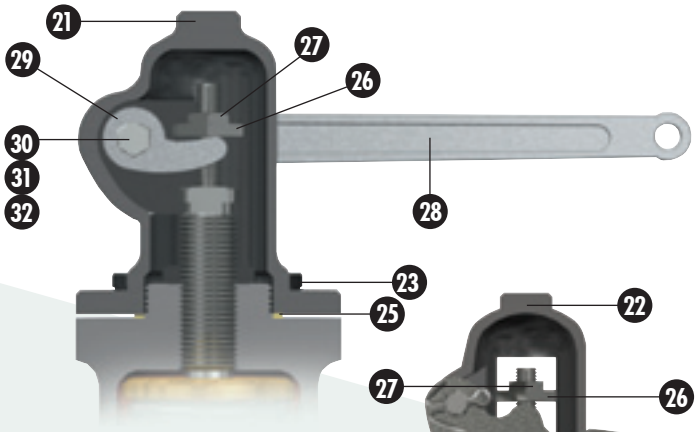
The D and E valves are restricted lift versions of the "F" orifice valve. The lift is restricted by a limit washer to provide the equivalent effective orifice area for a "D" or "E" orifice.

For available cap options, see page 1900P.9

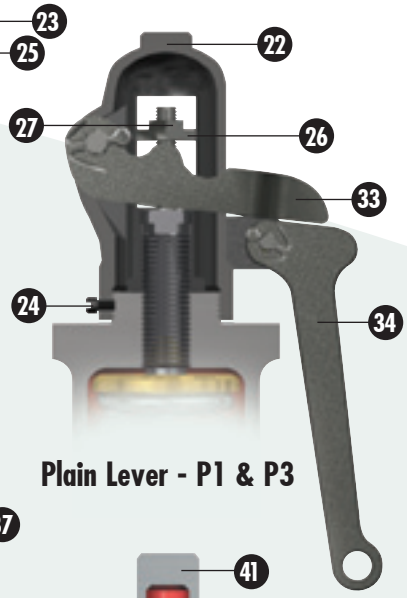


1900/P3 Series

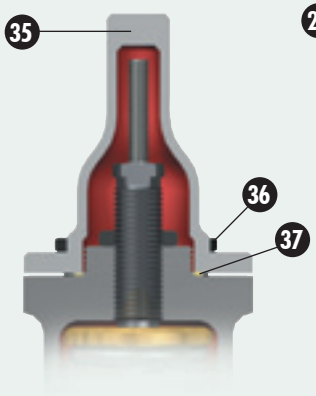
Materials



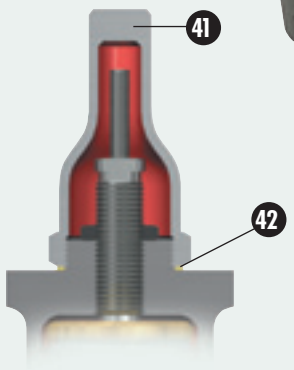
Packed Lever - P1



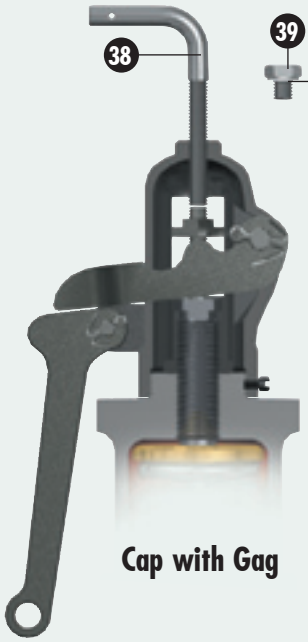
Plain Lever - P1 & P3



Bolted Cap
Organic Fluid Vaporizer Application



Screwed Cap
Organic Fluid Vaporizer Application



Cap with Gag

Standard Material

		Part	Material
Packed	21	Packed Cap	Carbon Steel
	23	Cap Screw	Carbon Steel
	25	Cap Gasket	Soft Iron
	26	Release Nut	Carbon Steel
	27	Release Locknut	Carbon Steel
	28	Lever	Malleable Iron
	29	Lifting Fork	Malleable Iron
	30	Lever Shaft	410/416SS
	31	Packing	Grafoil
	32	Packing Nut	410/416SS
Plain	22	Plain Cap	Malleable Iron
	24	Cap Set Screw	Carbon Steel
	26	Release Nut	Carbon Steel
	27	Release Locknut	Carbon Steel
	33	Top Lever	Malleable Iron
	34	Drop Lever	Malleable Iron
Bolted	35	Bolted Cap	Carbon Steel
	36	Cap Screw	Carbon Steel
	37	Cap Gasket	Soft Iron
Gag	38	Gag Bolt	Carbon Steel
	39	Sealing Plug	Carbon Steel
	40	Plug Gasket	Soft Iron
Screwed	41	Screwed Cap	Carbon Steel
	42	Cap Gasket	Soft Iron

Cap Selection

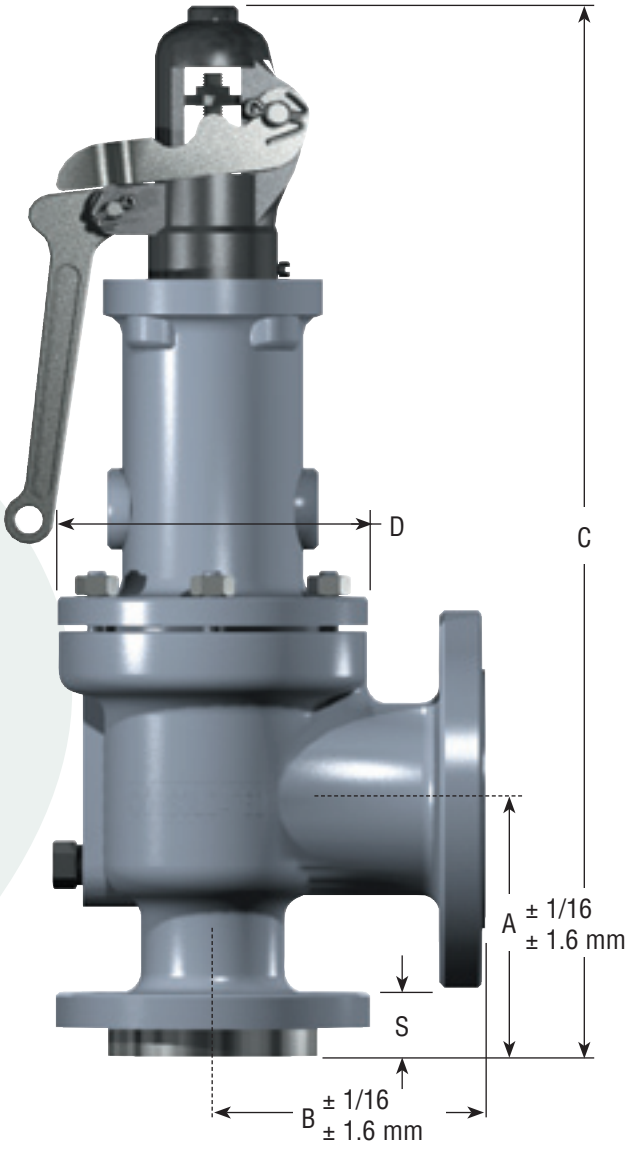
Safety Valve Application	Valve Type	Screwed Cap[1]	Bolted Cap[1]	Packed Lever	Plain Lever	Gag[2]
Steam Service - Economizer	1900/P1			X	X	X
Steam Service - Steam Generator	1900/P3				X	X
Organic Fluid Vapor	1900/P1	X	X			X

NOTES: 1 ASME B & PVC, Section I (Part PVG-12) requires the safety valve to be a totally enclosed type that is designed so that vapors escaping beyond the valve seat shall not discharge into atmosphere. Safety valves used to protect organic fluid vaporizers are not to be equipped with lifting levers.
2 All caps may be supplied with a gag.

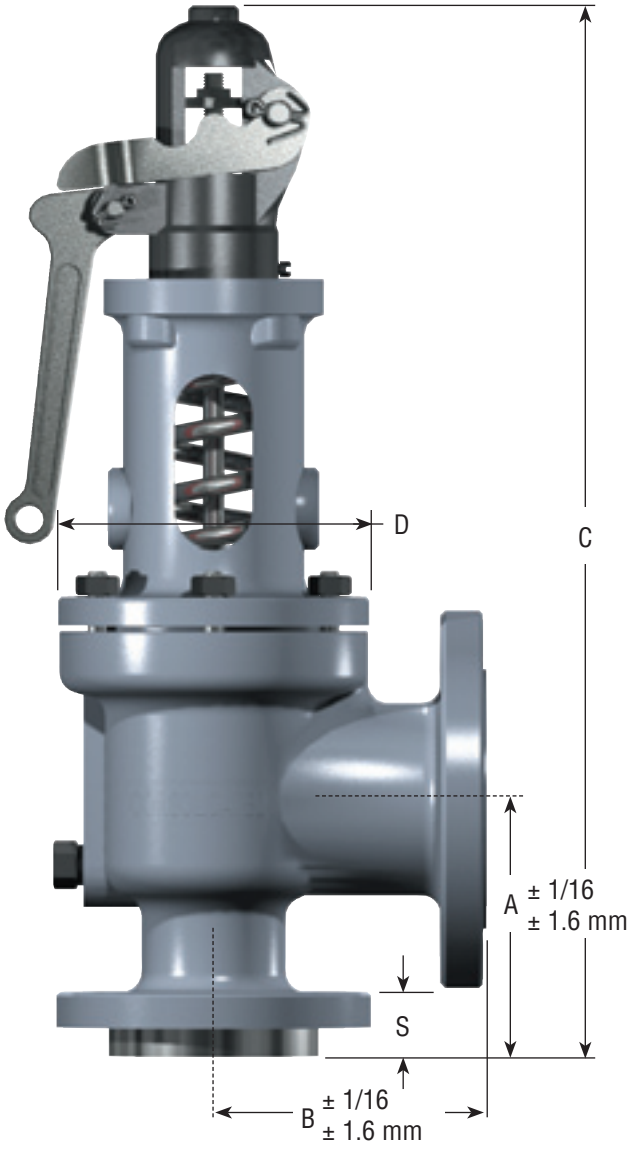
1900/P Series

This table applies to the standard 1900/P Series regardless of materials of construction. If the valve you are reviewing has an inlet or outlet size different from that stated, the dimensions "A" through "S" and weight may not apply.

NOTE: USCS Units refers to "U.S. Customary System" Units, the adapted U.S. standard formerly recognized as "English" Units.



1900/P1 Series



1900/P3 Series

1900/P1 & P3 Series Valves – USCS Units

1900 Steam Internal - Dimensions (in.) & Weights (lbs.) - USCS Units

Size	Type	A	B	C		D	S	Approx. Weight
				STD	Bellows			
1 x 2	1905D / P1	4-1/8	4-1/2	17	18	5-7/16	1-1/8	45
	1905D / P3	4-1/8	4-1/2	17	—	5-7/16	1-1/8	45
1 x 2	1905E / P1	4-1/8	4-1/2	17	18	5-7/16	1-1/8	45
	1905E / P3	4-1/8	4-1/2	17	—	5-7/16	1-1/8	45
1-1/2 x 2	1905F / P1	4-7/8	4-3/4	17-3/4	18-3/4	5-7/16	1-1/4	45
	1905F / P3	4-7/8	4-3/4	17-3/4	—	5-7/16	1-1/4	45
1-1/2 x 3	1905G / P1	4-7/8	4-3/4	17-3/4	19	5-7/16	1-1/4	55
	1905G / P3	4-7/8	4-3/4	17-3/4	—	5-7/16	1-1/4	55
1-1/2 x 3	1905H / P1	5-1/8	4-7/8	19-1/2	19-1/2	6-5/16	1-1/4	60
	1905H / P3	5-1/8	4-7/8	19-1/2	—	6-5/16	1-1/4	60
2 x 3	1905J / P1	5-3/8	4-7/8	21-1/4	21-1/4	6-7/8	1-5/16	75
	1905J / P3	5-3/8	4-7/8	21-1/4	—	6-7/8	1-5/16	75
3 x 4	1905K / P1	6-1/8	6-3/8	24-1/2	24-1/2	7-1/4	1-7/16	110
	1905K / P3	6-1/8	6-3/8	24-1/2	—	7-1/4	1-7/16	110
3 x 4	1905L / P1	6-1/8	6-1/2	28-3/4	28-3/4	8-7/8	1-7/16	140
	1905L / P3	6-1/8	6-1/2	28-3/4	—	8-7/8	1-7/16	140
4 x 6	1905M / P1	7	7-1/4	29-3/4	29-3/4	9-3/8	1-5/8	185
	1905M / P3	7	7-1/4	29-3/4	—	9-3/8	1-5/8	185
4 x 6	1905N / P1	7-3/4	8-1/4	33	33	10-1/8	1-5/8	220
	1905N / P3	7-3/4	8-1/4	33	—	10-1/8	1-5/8	220
4 x 6	1905P / P1	7-1/8	9	34-1/4	34-1/4	11	1-5/8	260
	1905P / P3	7-1/8	9	34-1/4	—	11	1-5/8	260
6 x 8	1905Q / P1	9-7/16	9-1/2	41	41	13-5/8	1-13/16	430
	1905Q / P3	9-7/16	9-1/2	41	—	13-5/8	1-13/16	430
6 X 8	1905R / P1	9-7/16	9-1/2	43	43	14-1/2	1-13/16	495
	1905R / P3	9-7/16	9-1/2	43	—	14-1/2	1-13/16	495
8 x 10	1905T / P1	10-7/8	11	47-1/4	47-1/4	16-1/2	1-15/16	620
	1905T / P3	10-7/8	11	47-1/4	—	16-1/2	1-15/16	620
1 x 2	1906D / P1	4-1/8	4-1/2	17	18	5-7/16	1-3/8	45
	1906D / P3	4-1/8	4-1/2	17	—	5-7/16	1-3/8	45
1 x 2	1906E / P1	4-1/8	4-1/2	17	18	5-7/16	1-3/8	45
	1906E / P3	4-1/8	4-1/2	17	—	5-7/16	1-3/8	45
1-1/2 x 2	1906F / P1	4-7/8	4-3/4	17-3/4	18-3/4	5-7/16	1-1/2	45
	1906F / P3	4-7/8	4-3/4	17-3/4	—	5-7/16	1-1/2	45
1-1/2 x 3	1906G / P1	4-7/8	4-3/4	17-3/4	19	5-7/16	1-1/2	55
	1906G / P3	4-7/8	4-3/4	17-3/4	—	5-7/16	1-1/2	55
1-1/2 x 3	1906H / P1	5-1/8	4-7/8	19-1/2	19-1/2	6-5/16	1-9/16	60
	1906H / P3	5-1/8	4-7/8	19-1/2	—	6-5/16	1-9/16	60
2 x 3	1906J / P1	5-3/8	4-7/8	21-1/4	21-1/4	6-7/8	1-9/16	75
	1906J / P3	5-3/8	4-7/8	21-1/4	—	6-7/8	1-9/16	75
3 x 4	1906K / P1	6-1/8	6-3/8	24-1/2	24-1/2	7-1/4	1-13/16	115
	1906K / P3	6-1/8	6-3/8	24-1/2	—	7-1/4	1-13/16	115

1900/P1 & P3 Series Valves – USCS Units

1900 Steam Internal - Dimensions (in.) & Weights (lbs.) - USCS Units

Size	Type	A	B	C		D	S	Approx. Weight
				STD	Bellows			
3 x 4	1906L / P1	6-1/8	6-1/2	28-3/4	28-3/4	8-7/8	1-13/16	145
	1906L / P3	6-1/8	6-1/2	28-3/4	—	8-7/8	1-13/16	145
4 x 6	1906M / P1	7	7-1/4	29-3/4	29-3/4	9-3/8	1-15/16	190
	1906M / P3	7	7-1/4	29-3/4	—	9-3/8	1-15/16	190
4 x 6	1906N / P1	7-3/4	8-1/4	33	33	10-1/8	1-15/16	225
	1906N / P3	7-3/4	8-1/4	33	—	10-1/8	1-15/16	225
4 x 6	1906P / P1	7-1/8	9	34-1/4	34-1/4	11	1-15/16	270
	1906P / P3	7-1/8	9	34-1/4	—	11	1-15/16	270
6 x 8	1906Q / P1	9-7/16	9-1/2	41	41	13-5/8	2-1/4	445
	1906Q / P3	9-7/16	9-1/2	41	—	13-5/8	2-1/4	445
6 x 8	1906R / P1	9-7/16	9-1/2	43	43	14-1/2	2-1/4	510
	1906R / P3	9-7/16	9-1/2	43	—	14-1/2	2-1/4	510
8 x 10	1906T / P1	10-7/8	11	47-1/4	47-1/4	16-1/2	2-7/16	640
	1906T / P3	10-7/8	11	47-1/4	—	16-1/2	2-7/16	640
1 x 2	1910D / P1	4-1/8	4-1/2	17-1/2	18-1/2	5-7/16	1-3/8	50
	1910D / P3	4-1/8	4-1/2	17-1/2	—	5-7/16	1-3/8	50
1 x 2	1910E / P1	4-1/8	4-1/2	17-1/2	18-1/2	5-7/16	1-3/8	50
	1910E / P3	4-1/8	4-1/2	17-1/2	—	5-7/16	1-3/8	50
1-1/2 x 2	1910F / P1	4-7/8	6	18-1/4	19-1/4	5-7/16	1-9/16	50
	1910F / P3	4-7/8	6	18-1/4	—	5-7/16	1-9/16	50
1-1/2 x 3	1910G / P1	4-7/8	6	18-1/4	19-1/2	5-7/16	1-9/16	60
	1910G / P3	4-7/8	6	18-1/4	—	5-7/16	1-9/16	60
2 x 3	1910H / P1	5-1/8	4-7/8	20-1/4	20-1/4	6-5/16	1-11/16	65
	1910H / P3	5-1/8	4-7/8	20-1/4	—	6-5/16	1-11/16	65
3 x 4	1910J / P1	7-1/4	7-1/8	25-5/8	25-5/8	7-3/8	1-15/16	100
	1910J / P3	7-1/4	7-1/8	25-5/8	—	7-3/8	1-15/16	100
3 x 4	1910K / P1	6-1/8	6-3/8	28	28	7-3/4	1-15/16	140
	1910K / P3	6-1/8	6-3/8	28	—	7-3/4	1-15/16	140
4 x 6	1910L / P1	7-1/16	7-1/8	32	32	9-1/2	1-15/16	220
	1910L / P3	7-1/16	7-1/8	32	—	9-1/2	1-15/16	220
4 x 6	1910M / P1	7	7-1/4	32	32	9-3/8	1-15/16	230
	1910M / P3	7	7-1/4	32	—	9-3/8	1-15/16	230
4 x 6	1910N / P1	7-3/4	8-1/4	34-1/4	34-1/4	10-1/2	1-15/16	260
	1910N / P3	7-3/4	8-1/4	34-1/4	—	10-1/2	1-15/16	260
4 x 6	1910P / P1	8-7/8	10	41	41	11-1/2	1-15/16	350
	1910P / P3	8-7/8	10	41	—	11-1/2	1-15/16	350
6 x 8	1910Q / P1	9-7/16	9-1/2	43-1/4	43-1/4	14	2-1/4	530
	1910Q / P3	9-7/16	9-1/2	43-1/4	—	14	2-1/4	530
6 x 10	1910R / P1	9-7/16	10-1/2	45-1/2	45-1/2	14-1/2	2-1/4	550
	1910R / P3	9-7/16	10-1/2	45-1/2	—	14-1/2	2-1/4	550
8 x 10	1910T / P1	10-7/8	11	53-3/8	53-3/8	16-1/2	2-7/16	840
	1910T / P3	10-7/8	11	53-3/8	—	16-1/2	2-7/16	840

1900/P1 & P3 Series Valves – USCS Units

1900 Steam Internal - Dimensions (in.) & Weights (lbs.) - USCS Units

Size	Type	A	B	C		D	S	Approx. Weight
				STD	Bellows			
1 x 2	1912D / P1	4-1/8	4-1/2	18-1/4	19-1/4	6-5/16	1-3/8	55
	1912D / P3	4-1/8	4-1/2	18-1/4	—	6-5/16	1-3/8	55
1 x 2	1912E / P1	4-1/8	4-1/2	18-1/4	19-1/4	6-5/16	1-3/8	55
	1912E / P3	4-1/8	4-1/2	18-1/4	—	6-5/16	1-3/8	55
1-1/2 x 2	1912F / P1	4-7/8	6	19	20	6-5/16	1-9/16	60
	1912F / P3	4-7/8	6	19	—	6-5/16	1-9/16	60
1-1/2 x 3	1912G / P1	4-7/8	6	19	20-1/4	6-5/16	1-9/16	65
	1912G / P3	4-7/8	6	19	—	6-5/16	1-9/16	65
2 x 3	1912H / P1	6-1/16	6-3/8	23	23	7	1-11/16	85
	1912H / P3	6-1/16	6-3/8	23	—	7	1-11/16	85
3 x 4	1912J / P1	7-1/4	7-1/8	29-7/8	29-7/8	9	1-13/16	170
	1912J / P3	7-1/4	7-1/8	29-7/8	—	9	1-13/16	170
3 x 4	1912K / P1	7-1/4	7-1/8	29-1/4	29-1/4	7-3/4	1-15/16	150
	1912K / P3	7-1/4	7-1/8	29-1/4	—	7-3/4	1-15/16	150
4 x 6	1912L / P1	7-1/16	8	32	32	9-1/2	2-3/16	230
	1912L / P3	7-1/16	8	32	—	9-1/2	2-3/16	230
4 x 6	1912M / P1	7	8	36-1/4	36-1/4	10-3/4	2-3/16	300
	1912M / P3	7	8	36-1/4	—	10-3/4	2-3/16	300
4 x 6	1912N / P1	7-3/4	8-3/4	39	39	11-3/4	2-3/16	360
	1912N / P3	7-3/4	8-3/4	39	—	11-3/4	2-3/16	360
4 x 6	1912P / P1	8-7/8	10	43-1/2	43-1/2	13-7/8	2-3/16	530
	1912P / P3	8-7/8	10	43-1/2	—	13-7/8	2-3/16	530
6 x 8	1912Q / P1	9-7/16	9-1/2	46	46	14-1/4	2-11/16	645
	1912Q / P3	9-7/16	9-1/2	46	—	14-1/4	2-11/16	645
6 x 10	1912R / P1	9-7/16	10-1/2	47-1/2	47-1/2	15-1/8	2-11/16	675
	1912R / P3	9-7/16	10-1/2	47-1/2	—	15-1/8	2-11/16	675
8 x 10	1912T / P1	10-7/8	11	53-7/8	53-7/8	16-1/2	2-7/16	840
	1912T / P3	10-7/8	11	53-7/8	—	16-1/2	2-7/16	840
1-1/2 x 2	1914D / P1	4-1/8	5-1/2	21-3/4	22-3/4	7-13/16	1-15/16	95
	1914D / P3	4-1/8	5-1/2	21-3/4	—	7-13/16	1-15/16	95
1-1/2 x 2	1914E / P1	4-1/8	5-1/2	21-3/4	22-3/4	7-13/16	1-15/16	95
	1914E / P3	4-1/8	5-1/2	21-3/4	—	7-13/16	1-15/16	95
1-1/2 x 3	1914F / P1	4-7/8	6-1/2	22-1/2	23-1/2	7-13/16	1-15/16	100
	1914F / P3	4-7/8	6-1/2	22-1/2	—	7-13/16	1-15/16	100
1-1/2 x 3	1914G / P1	4-7/8	6-1/2	22-1/2	23-3/4	7-13/16	1-15/16	95
	1914G / P3	4-7/8	6-1/2	22-1/2	—	7-13/16	1-15/16	95
2 x 3	1914H / P1	6-1/16	6-3/8	26	26	8-1/4	2-3/16	130
	1914H / P3	6-1/16	6-3/8	26	—	8-1/4	2-3/16	130
3 x 4	1914J / P1	7-1/4	7-1/8	29-3/4	29-3/4	9	2-3/16	195
	1914J / P3	7-1/4	7-1/8	29-3/4	—	9	2-3/16	195
3 x 6	1914K / P1	7-13/16	8-1/2	35-1/4	35-1/4	10-1/2	2-3/16	300
	1914K / P3	7-13/16	8-1/2	35-1/4	—	10-1/2	2-3/16	300
4 x 6	1914L / P1	7-3/4	8-3/4	37-1/4	37-1/4	12-1/4	2-7/16	360
	1914L / P3	7-3/4	8-3/4	37-1/4	—	12-1/4	2-7/16	360
4 x 6	1914M / P1	7-3/4	8-3/4	37	37	10-3/4	2-7/16	340
	1914M / P3	7-3/4	8-3/4	37	—	10-3/4	2-7/16	340

1900/P1 & P3 Series Valves – USCS Units

1900 Steam Internal - Dimensions (in.) & Weights (lbs.) - USCS Units

Size	Type	A	B	C		D	S	Approx. Weight
				STD	Bellows			
4 x 6	1914N / P1	7-3/4	8-3/4	39	39	11-3/4	2-7/16	380
	1914N / P3	7-3/4	8-3/4	39	—	11-3/4	2-7/16	380
4 x 6	1914P / P1	8-7/8	10	43-1/2	43-1/2	13-7/8	2-7/16	545
	1914P / P3	8-7/8	10	43-1/2	—	13-7/8	2-7/16	545
1-1/2 x 2	1916D / P1	4-1/8	5-1/2	21-3/4	22-3/4	7-13/16	1-15/16	95
	1916D / P3	4-1/8	5-1/2	21-3/4	—	7-13/16	1-15/16	95
1-1/2 x 2	1916E / P1	4-1/8	5-1/2	21-3/4	22-3/4	7-13/16	1-15/16	95
	1916E / P3	4-1/8	5-1/2	21-3/4	—	7-13/16	1-15/16	95
1-1/2 x 3	1916F / P1	4-7/8	6-1/2	22-1/2	23-1/2	7-13/16	1-15/16	100
	1916F / P3	4-7/8	6-1/2	22-1/2	—	7-13/16	1-15/16	100
2 x 3	1916G / P1	6-1/8	6-3/4	23-3/4	25	7-13/16	2-3/16	100
	1916G / P3	6-1/8	6-3/4	23-3/4	—	7-13/16	2-3/16	100
2 x 3	1916H / P1	6-1/16	6-3/8	26	26	8-1/4	2-3/16	140
	1916H / P3	6-1/16	6-3/8	26	—	8-1/4	2-3/16	140
3 x 4	1916J / P1	7-1/4	7-1/8	29-3/4	29-3/4	9	2-9/16	220
	1916J / P3	7-1/4	7-1/8	29-3/4	—	9	2-9/16	220
3 x 6	1916K / P1	7-3/4	8-1/2	35-1/4	35-1/4	10-1/2	2-9/16	320
	1916K / P3	7-3/4	8-1/2	35-1/4	—	10-1/2	2-9/16	320
4 x 6	1916L / P1	7-3/4	8-3/4	37-1/4	37-1/4	12-1/4	2-13/16	370
	1916L / P3	7-3/4	8-3/4	37-1/4	—	12-1/4	2-13/16	370
1-1/2 x 3	1918D / P1	5-1/2	7	26-1/2	27-1/2	8-7/8	2-7/16	150
	1918D / P3	5-1/2	7	26-1/2	—	8-7/8	2-7/16	150
1-1/2 x 3	1918E / P1	5-1/2	7	26-1/2	27-1/2	8-7/8	2-7/16	150
	1918E / P3	5-1/2	7	26-1/2	—	8-7/8	2-7/16	150
1-1/2 x 3	1918F / P1	5-1/2	7	26-1/2	27-1/2	8-7/8	2-7/16	150
	1918F / P3	5-1/2	7	26-1/2	—	8-7/8	2-7/16	150
2 x 3	1918G / P1	6-1/8	6-3/4	23-3/4	25	7-13/16	2-11/16	110
	1918G / P3	6-1/8	6-3/4	23-3/4	—	7-13/16	2-11/16	110
1 x 2	1920D / P1	4-1/8	4-1/2	17-1/2	18-1/2	5-7/16	1-3/8	50
	1920D / P3	4-1/8	4-1/2	17-1/2	—	5-7/16	1-3/8	50
1 x 2	1920E / P1	4-1/8	4-1/2	17-1/2	18-1/2	5-7/16	1-3/8	50
	1920E / P3	4-1/8	4-1/2	17-1/2	—	5-7/16	1-3/8	50
1-1/2 x 2	1920F / P1	4-7/8	6	18-1/4	19-1/4	5-7/16	1-9/16	50
	1920F / P3	4-7/8	6	18-1/4	—	5-7/16	1-9/16	50
1-1/2 x 3	1920G / P1	4-7/8	6	18-1/4	19-1/2	5-7/16	1-9/16	60
	1920G / P3	4-7/8	6	18-1/4	—	5-7/16	1-9/16	60
2 x 3	1920H / P1	5-1/8	4-7/8	20-1/4	20-1/4	6-5/16	1-11/16	65
	1920H / P3	5-1/8	4-7/8	20-1/4	—	6-5/16	1-11/16	65
3 x 4	1920J / P1	7-1/4	7-1/8	25-5/8	25-5/8	7-3/8	1-13/16	100
	1920J / P3	7-1/4	7-1/8	25-5/8	—	7-3/8	1-13/16	100
3 x 4	1920K / P1	6-1/8	6-3/8	28	28	7-3/4	1-15/16	140
	1920K / P3	6-1/8	6-3/8	28	—	7-3/4	1-15/16	140

1900/P1 & P3 Series Valves – USCS Units

1900 Steam Internal - Dimensions (in.) & Weights (lbs.) - USCS Units

Size	Type	A	B	C		D	S	Approx. Weight
				STD	Bellows			
4 x 6	1920L / P1	7-1/16	7-1/8	32	32	9-1/2	1-15/16	220
	1920L / P3	7-1/16	7-1/8	32	—	9-1/2	1-15/16	220
4 x 6	1920M / P1	7	7-1/4	32	32	9-3/8	1-15/16	230
	1920M / P3	7	7-1/4	32	—	9-3/8	1-15/16	230
4 x 6	1920N / P1	7-3/4	8-1/4	34-1/4	34-1/4	10-1/2	1-15/16	260
	1920N / P3	7-3/4	8-1/4	34-1/4	—	10-1/2	1-15/16	260
4 x 6	1920P / P1	8-7/8	10	41	41	11-1/2	1-15/16	350
	1920P / P3	8-7/8	10	41	—	11-1/2	1-15/16	350
6 x 8	1920Q / P1	9-7/16	9-1/2	41	41	13-5/8	2-1/4	445
	1920Q / P3	9-7/16	9-1/2	41	—	13-5/8	2-1/4	445
6 x 8	1920R / P1	9-7/16	9-1/2	43	43	14-1/2	2-1/4	510
	1920R / P3	9-7/16	9-1/2	43	—	14-1/2	2-1/4	510
8 x 10	1920T / P1	10-7/8	11	53-3/8	53-3/8	16-1/2	2-7/16	840
	1920T / P3	10-7/8	11	53-3/8	—	16-1/2	2-7/16	840
1 x 2	1922D / P1	4-1/8	4-1/2	17-1/2	18-1/2	5-7/16	1-3/8	50
	1922D / P3	4-1/8	4-1/2	17-1/2	—	5-7/16	1-3/8	50
1 x 2	1922E / P1	4-1/8	4-1/2	17-1/2	18-1/2	5-7/16	1-3/8	50
	1922E / P3	4-1/8	4-1/2	17-1/2	—	5-7/16	1-3/8	50
1-1/2 x 2	1922F / P1	4-7/8	6	18-1/4	19-1/4	5-7/16	1-9/16	50
	1922F / P3	4-7/8	6	18-1/4	—	5-7/16	1-9/16	50
1-1/2 x 3	1922G / P1	4-7/8	6	19	20-1/4	6-5/16	1-9/16	65
	1922G / P3	4-7/8	6	19	—	6-5/16	1-9/16	65
2 x 3	1922H / P1	5-1/8	4-7/8	20-1/4	20-1/4	6-5/16	1-11/16	65
	1922H / P3	5-1/8	4-7/8	20-1/4	—	6-5/16	1-11/16	65
3 x 4	1922J / P1	7-1/4	7-1/8	25-5/8	25-5/8	7-3/8	1-13/16	100
	1922J / P3	7-1/4	7-1/8	25-5/8	—	7-3/8	1-13/16	100
3 x 4	1922K / P1	6-1/8	6-3/8	28	28	7-3/4	1-15/16	140
	1922K / P3	6-1/8	6-3/8	28	—	7-3/4	1-15/16	140
4 x 6	1922L / P1	7-1/8	8	32	32	9-1/2	2-3/16	230
	1922L / P3	7-1/8	8	32	—	9-1/2	2-3/16	230
4 x 6	1922M / P1	7	8	36-1/4	36-1/4	10-3/4	2-3/16	300
	1922M / P3	7	8	36-1/4	—	10-3/4	2-3/16	300
4 x 6	1922N / P1	7-3/4	8-3/4	39	39	11-3/4	2-3/16	360
	1922N / P3	7-3/4	8-3/4	39	—	11-3/4	2-3/16	360
6 x 8	1922Q / P1	9-7/16	9-1/2	46	46	14-1/4	2-11/16	645
	1922Q / P3	9-7/16	9-1/2	46	—	14-1/4	2-11/16	645
6 x 10	1922R / P1	9-7/16	10-1/2	47-1/2	47-1/2	15-1/8	2-11/16	675
	1922R / P3	9-7/16	10-1/2	47-1/2	—	15-1/8	2-11/16	675
8 x 10	1922T / P1	10-7/8	11	53-3/8	53-3/8	16-1/2	2-7/16	840
	1922T / P3	10-7/8	11	53-3/8	—	16-1/2	2-7/16	840
4 x 6	1923P / P1	8-7/8	10	43-1/2	43-1/2	13-7/8	2-3/16	530
	1923P / P3	8-7/8	10	43-1/2	—	13-7/8	2-3/16	530

1900/P1 & P3 Series Valves – USCS Units

1900 Steam Internal - Dimensions (in.) & Weights (lbs.) - USCS Units

Size	Type	A	B	C		D	S	Approx. Weight
				STD	Bellows			
1-1/2 x 2	1924D / P1	4-1/8	5-1/2	21-3/4	22-3/4	7-13/16	1-15/16	95
	1924D / P3	4-1/8	5-1/2	21-3/4	—	7-13/16	1-15/16	95
1-1/2 x 2	1924E / P1	4-1/8	5-1/2	21-3/4	22-3/4	7-13/16	1-15/16	95
	1924E / P3	4-1/8	5-1/2	21-3/4	—	7-13/16	1-15/16	95
1-1/2 x 3	1924F / P1	4-7/8	6-1/2	22-1/2	23-1/2	7-13/16	1-15/16	100
	1924F / P3	4-7/8	6-1/2	22-1/2	—	7-13/16	1-15/16	100
1-1/2 x 3	1924G / P1	4-7/8	6-1/2	22-1/2	23-3/4	7-13/16	1-15/16	95
	1924G / P3	4-7/8	6-1/2	22-1/2	—	7-13/16	1-15/16	95
2 x 3	1924H / P1	6-1/16	6-3/8	23	23	7	2-3/16	90
	1924H / P3	6-1/16	6-3/8	23	—	7	2-3/16	90
3 x 4	1924J / P1	7-1/4	7-1/8	29-7/8	29-7/8	9	2-5/16	180
	1924J / P3	7-1/4	7-1/8	29-7/8	—	9	2-5/16	180
3 x 6	1924K / P1	7-13/16	8-1/2	35-1/4	35-1/4	10-1/2	2-3/16	300
	1924K / P3	7-13/16	8-1/2	35-1/4	—	10-1/2	2-3/16	300
4 x 6	1924L / P1	7-3/4	8-3/4	37-1/4	37-1/4	12-1/4	2-7/16	360
	1924L / P3	7-3/4	8-3/4	37-1/4	—	12-1/4	2-7/16	360
4 x 6	1924M / P1	7-3/4	8-3/4	37	37	10-3/4	2-7/16	340
	1924M / P3	7-3/4	8-3/4	37	—	10-3/4	2-7/16	340
4 x 6	1924N / P1	7-3/4	8-3/4	39	39	11-3/4	2-7/16	380
	1924N / P3	7-3/4	8-3/4	39	—	11-3/4	2-7/16	380
4 x 6	1924P / P1	8-7/8	10	43-1/2	43-1/2	13-7/8	2-7/16	545
	1924P / P3	8-7/8	10	43-1/2	-	13-7/8	2-7/16	545
1-1/2 x 2	1926D / P1	4-1/8	5-1/2	21-3/4	22-3/4	7-13/16	1-15/16	95
	1926D / P3	4-1/8	5-1/2	21-3/4	—	7-13/16	1-15/16	95
1-1/2 x 2	1926E / P1	4-1/8	5-1/2	21-3/4	22-3/4	7-13/16	1-15/16	95
	1926E / P3	4-1/8	5-1/2	21-3/4	—	7-13/16	1-15/16	95
1-1/2 x 3	1926F / P1	4-7/8	6-1/2	22-1/2	23-1/2	7-13/16	1-15/16	100
	1926F / P3	4-7/8	6-1/2	22-1/2	—	7-13/16	1-15/16	100
2 x 3	1926G / P1	6-1/8	6-3/4	23-3/4	25	7-13/16	2-3/16	100
	1926G / P3	6-1/8	6-3/4	23-3/4	—	7-13/16	2-3/16	100
2 x 3	1926H / P1	6-1/16	6-3/8	26	26	8-1/4	2-3/16	140
	1926H / P3	6-1/16	6-3/8	26	—	8-1/4	2-3/16	140
3 x 4	1926J / P1	7-1/4	7-1/8	29-3/4	29-3/4	9	2-9/16	220
	1926J / P3	7-1/4	7-1/8	29-3/4	—	9	2-9/16	220
3 x 6	1926K / P1	7-3/4	8-1/2	35-1/4	35-1/4	10-1/2	2-9/16	320
	1926K / P3	7-3/4	8-1/2	35-1/4	—	10-1/2	2-9/16	320
4 x 6	1926L / P1	7-3/4	8-3/4	37-1/4	37-1/4	12-1/4	2-13/16	370
	1926L / P3	7-3/4	8-3/4	37-1/4	—	12-1/4	2-13/16	370

1900/P1 & P3 Series Valves – USCS Units

1900 Steam Internal - Dimensions (in.) & Weights (lbs.) - USCS Units

Size	Type	A	B	C		D	S	Approx. Weight
				STD	Bellows			
1-1/2 x 3	1928D / P1	5-1/2	7	26-1/2	27-1/2	8-7/8	2-7/16	150
	1928D / P3	5-1/2	7	26-1/2	—	8-7/8	2-7/16	150
1-1/2 x 3	1928E / P1	5-1/2	7	26-1/2	27-1/2	8-7/8	2-7/16	150
	1928E / P3	5-1/2	7	26-1/2	—	8-7/8	2-7/16	150
1-1/2 x 3	1928F / P1	5-1/2	7	26-1/2	27-1/2	8-7/8	2-7/16	150
	1928F / P3	5-1/2	7	26-1/2	—	8-7/8	2-7/16	150
2 x 3	1928G / P1	6-1/8	6-3/4	23-3/4	25	7-13/16	2-11/16	110
	1928G / P3	6-1/8	6-3/4	23-3/4	—	7-13/16	2-11/16	110

1900/P1 & P3 Series Valves – Metric Units

1900 Steam Internal - Dimensions (mm) & Weights (kg) - Metric Units

Size	Type	A	B	C		D	S	Approx. Weight
				STD	Bellows			
1 x 2	1905D / P1	104.8	114.3	431.8	457.2	138.1	28.6	20.4
	1905D / P3	104.8	114.3	431.8	—	138.1	28.6	20.4
1 x 2	1905E / P1	104.8	114.3	431.8	457.2	138.1	28.6	20.4
	1905E / P3	104.8	114.3	431.8	—	138.1	28.6	20.4
1-1/2 x 2	1905F / P1	123.8	120.7	450.9	476.3	138.1	31.8	20.4
	1905F / P3	123.8	120.7	450.9	—	138.1	31.8	20.4
1-1/2 x 3	1905G / P1	123.8	120.7	450.9	482.6	138.1	31.8	24.9
	1905G / P3	123.8	120.7	450.9	—	138.1	31.8	24.9
1-1/2 x 3	1905H / P1	130.2	123.8	495.3	495.3	160.3	31.8	27.2
	1905H / P3	130.2	123.8	495.3	—	160.3	31.8	27.2
2 x 3	1905J / P1	136.5	123.8	539.8	539.8	174.6	33.3	34
	1905J / P3	136.5	123.8	539.8	—	174.6	33.3	34
3 x 4	1905K / P1	155.6	161.9	622.3	622.3	184.2	36.5	49.9
	1905K / P3	155.6	161.9	622.3	—	184.2	36.5	49.9
3 x 4	1905L / P1	155.6	165.1	730.3	730.3	225.4	36.5	63.5
	1905L / P3	155.6	165.1	730.3	—	225.4	36.5	63.5
4 x 6	1905M / P1	177.8	184.2	755.7	755.7	238.1	41.3	83.9
	1905M / P3	177.8	184.2	755.7	—	238.1	41.3	83.9
4 x 6	1905N / P1	196.9	209.6	838.2	838.2	257.2	41.3	99.8
	1905N / P3	196.9	209.6	838.2	—	257.2	41.3	99.8
4 x 6	1905P / P1	181	228.6	870	870	279.4	41.3	117.9
	1905P / P3	181	228.6	870	—	279.4	41.3	117.9
6 x 8	1905Q / P1	239.7	241.3	1041.4	1041.4	346.1	46	195
	1905Q / P3	239.7	241.3	1041.4	—	346.1	46	195
6 x 8	1905R / P1	239.7	241.3	1092.2	1092.2	368.3	46	224.5
	1905R / P3	239.7	241.3	1092.2	—	368.3	46	224.5
8 x 10	1905T / P1	276.2	279.4	1200.2	1200.2	419.1	49.2	281.2
	1905T / P3	276.2	279.4	1200.2	—	419.1	49.2	281.2
1 x 2	1906D / P1	104.8	114.3	431.8	457.2	138.1	34.9	20.4
	1906D / P3	104.8	114.3	431.8	—	138.1	34.9	20.4
1 x 2	1906E / P1	104.8	114.3	431.8	457.2	138.1	34.9	20.4
	1906E / P3	104.8	114.3	431.8	—	138.1	34.9	20.4
1-1/2 x 2	1906F / P1	123.8	120.7	450.9	476.3	138.1	38.1	20.4
	1906F / P3	123.8	120.7	450.9	—	138.1	38.1	20.4
1-1/2 x 3	1906G / P1	123.8	120.7	450.9	482.6	138.1	38.1	24.9
	1906G / P3	123.8	120.7	450.9	—	138.1	38.1	24.9
1-1/2 x 3	1906H / P1	130.2	123.8	495.3	495.3	160.3	39.7	27.2
	1906H / P3	130.2	123.8	495.3	—	160.3	39.7	27.2
2 x 3	1906J / P1	136.5	123.8	539.8	539.8	174.6	39.7	34
	1906J / P3	136.5	123.8	539.8	—	174.6	39.7	34
3 x 4	1906K / P1	155.6	161.9	622.3	622.3	184.2	46	52.2
	1906K / P3	155.6	161.9	622.3	—	184.2	46	52.2

1900/P1 & P3 Series Valves – Metric Units

1900 Steam Internal - Dimensions (mm) & Weights (kg) - Metric Units

Size	Type	A	B	C		D	S	Approx. Weight
				STD	Bellows			
3 x 4	1906L / P1	155.6	165.1	730.3	730.3	225.4	46	65.8
	1906L / P3	155.6	165.1	730.3	—	225.4	46	65.8
4 x 6	1906M / P1	177.8	184.2	755.7	755.7	238.1	49.2	86.2
	1906M / P3	177.8	184.2	755.7	—	238.1	49.2	86.2
4 x 6	1906N / P1	196.9	209.6	838.2	838.2	257.2	49.2	102.1
	1906N / P3	196.9	209.6	838.2	—	257.2	49.2	102.1
4 x 6	1906P / P1	181	228.6	870	870	279.4	49.2	122.5
	1906P / P3	181	228.6	870	—	279.4	49.2	122.5
6 x 8	1906Q / P1	239.7	241.3	1041.4	1041.4	346.1	57.2	201.9
	1906Q / P3	239.7	241.3	1041.4	—	346.1	57.2	201.9
6 x 8	1906R / P1	239.7	241.3	1092.2	1092.2	368.3	57.2	231.3
	1906R / P3	239.7	241.3	1092.2	—	368.3	57.2	231.3
8 x 10	1906T / P1	276.2	279.4	1200.2	1200.2	419.1	61.9	290.3
	1906T / P3	276.2	279.4	1200.2	—	419.1	61.9	290.3
1 x 2	1910D / P1	104.8	114.3	444.5	469.9	138.1	34.9	22.7
	1910D / P3	104.8	114.3	444.5	—	138.1	34.9	22.7
1 x 2	1910E / P1	104.8	114.3	444.5	469.9	138.1	34.9	22.7
	1910E / P3	104.8	114.3	444.5	—	138.1	34.9	22.7
1-1/2 x 2	1910F / P1	123.8	152.4	463.6	489	138.1	39.7	22.7
	1910F / P3	123.8	152.4	463.6	—	138.1	39.7	22.7
1-1/2 x 3	1910G / P1	123.8	152.4	463.6	495.3	138.1	39.7	27.2
	1910G / P3	123.8	152.4	463.6	—	138.1	39.7	27.2
2 x 3	1910H / P1	130.2	123.8	514.4	514.4	160.3	42.9	29.5
	1910H / P3	130.2	123.8	514.4	—	160.3	42.9	29.5
3 x 4	1910J / P1	184.2	181	650.9	650.9	187.3	49.2	45.4
	1910J / P3	184.2	181	650.9	—	187.3	49.2	45.4
3 x 4	1910K / P1	155.6	161.9	711.2	711.2	196.9	49.2	63.5
	1910K / P3	155.6	161.9	711.2	—	196.9	49.2	63.5
4 x 6	1910L / P1	179.4	181	812.8	812.8	241.3	49.2	99.8
	1910L / P3	179.4	181	812.8	—	241.3	49.2	99.8
4 x 6	1910M / P1	177.8	184.2	812.8	812.8	238.1	49.2	104.3
	1910M / P3	177.8	184.2	812.8	—	238.1	49.2	104.3
4 x 6	1910N / P1	196.9	209.6	870	870	266.7	49.2	117.9
	1910N / P3	196.9	209.6	870	—	266.7	49.2	117.9
4 x 6	1910P / P1	225.4	254	1041.4	1041.4	292.1	49.2	158.8
	1910P / P3	225.4	254	1041.4	—	292.1	49.2	158.8
6 x 8	1910Q / P1	239.7	241.3	1098.6	1098.6	355.6	57.2	240.4
	1910Q / P3	239.7	241.3	1098.6	—	355.6	57.2	240.4
6 x 10	1910R / P1	239.7	266.7	1155.7	1155.7	368.3	57.2	249.5
	1910R / P3	239.7	266.7	1155.7	—	368.3	57.2	249.5
8 x 10	1910T / P1	276.2	279.4	1355.7	1355.7	419.1	61.9	381
	1910T / P3	276.2	279.4	1355.7	—	419.1	61.9	381

1900/P1 & P3 Series Valves – Metric Units

1900 Steam Internal - Dimensions (mm) & Weights (kg) - Metric Units

Size	Type	A	B	C		D	S	Approx. Weight
				STD	Bellows			
1 x 2	1912D / P1	104.8	114.3	463.6	489	160.3	34.9	25
	1912D / P3	104.8	114.3	463.6	—	160.3	34.9	25
1 x 2	1912E / P1	104.8	114.3	463.6	489	160.3	34.9	25
	1912E / P3	104.8	114.3	463.6	—	160.3	34.9	25
1-1/2 x 2	1912F / P1	123.8	152.4	482.6	508	160.3	39.7	27.2
	1912F / P3	123.8	152.4	482.6	—	160.3	39.7	27.2
1-1/2 x 3	1912G / P1	123.8	152.4	482.6	514.4	160.3	39.7	29.5
	1912G / P3	123.8	152.4	482.6	—	160.3	39.7	29.5
2 x 3	1912H / P1	154	161.9	584.2	584.2	177.8	42.9	38.6
	1912H / P3	154	161.9	584.2	—	177.8	42.9	38.6
3 x 4	1912J / P1	184.2	181	758.8	758.8	228.6	46	77.1
	1912J / P3	184.2	181	758.8	—	228.6	46	77.1
3 x 4	1912K / P1	184.2	181	743	743	196.9	49.2	68
	1912K / P3	184.2	181	743	—	196.9	49.2	68
4 x 6	1912L / P1	179.4	203.2	812.8	812.8	241.3	55.5	104.3
	1912L / P3	179.4	203.2	812.8	—	241.3	55.5	104.3
4 x 6	1912M / P1	177.8	203.2	920.8	920.8	273.1	55.5	136.1
	1912M / P3	177.8	203.2	920.8	—	273.1	55.5	136.1
4 x 6	1912N / P1	196.9	222.3	990.6	990.6	298.5	55.5	163.3
	1912N / P3	196.9	222.3	990.6	—	298.5	55.5	163.3
4 x 6	1912P / P1	225.4	254	1104.9	1104.9	352.4	55.5	240.4
	1912P / P3	225.4	254	1104.9	—	352.4	55.5	240.4
6 x 8	1912Q / P1	239.7	241.3	1168.4	1168.4	362	68.3	292.6
	1912Q / P3	239.7	241.3	1168.4	—	362	68.3	292.6
6 x 10	1912R / P1	239.7	266.7	1206.5	1206.5	384.2	68.3	306.2
	1912R / P3	239.7	266.7	1206.5	—	384.2	68.3	306.2
8 x 10	1912T / P1	276.2	279.4	1368.4	1368.4	419.1	61.9	381
	1912 T / P3	276.2	279.4	1368.4	—	419.1	61.9	381
1-1/2 x 2	1914D / P1	104.8	139.7	552.5	577.9	198.4	49.2	43.1
	1914D / P3	104.8	139.7	552.5	—	198.4	49.2	43.1
1-1/2 x 2	1914E / P1	104.8	139.7	552.5	577.9	198.4	49.2	43.1
	1914E / P3	104.8	139.7	552.5	—	198.4	49.2	43.1
1-1/2 x 3	1914F / P1	123.8	165.1	571.5	596.9	198.4	49.2	45.4
	1914F / P3	123.8	165.1	571.5	—	198.4	49.2	45.4
1-1/2 x 3	1914G / P1	123.8	165.1	571.5	603.3	198.4	49.2	43.1
	1914G / P3	123.8	165.1	571.5	—	198.4	49.2	43.1
2 x 3	1914H / P1	154	161.9	660.4	660.4	209.6	55.5	59
	1914H / P3	154	161.9	660.4	—	209.6	55.5	59
3 x 4	1914J / P1	184.2	181	755.7	755.7	228.6	55.5	88.5
	1914J / P3	184.2	181	755.7	—	228.6	55.5	88.5
3 x 6	1914K / P1	198.4	215.9	895.4	895.4	266.7	55.5	136.1
	1914K / P3	198.4	215.9	895.4	—	266.7	55.5	136.1
4 x 6	1914L / P1	196.9	222.3	946.2	946.2	311.2	61.9	163.3
	1914L / P3	196.9	222.3	946.2	—	311.2	61.9	163.3
4 x 6	1914M / P1	196.9	222.3	939.8	939.8	273.1	61.9	154.2
	1914M / P3	196.9	222.3	939.8	—	273.1	61.9	154.2

1900/P1 & P3 Series Valves – Metric Units

1900 Steam Internal - Dimensions (mm) & Weights (kg) - Metric Units

Size	Type	A	B	C		D	S	Approx. Weight
				STD	Bellows			
4 x 6	1914N / P1	196.9	222.3	990.6	990.6	298.5	61.9	172.4
	1914N / P3	196.9	222.3	990.6	—	298.5	61.9	172.4
4 x 6	1914P / P1	225.4	254	1104.9	1104.9	352.4	61.9	247.2
	1914P / P3	225.4	254	1104.9	—	352.4	61.9	247.2
1-1/2 x 2	1916D / P1	104.8	139.7	552.5	577.9	198.4	49.2	43.1
	1916D / P3	104.8	139.7	552.5	—	198.4	49.2	43.1
1-1/2 x 2	1916E / P1	104.8	139.7	552.5	577.9	198.4	49.2	43.1
	1916E / P3	104.8	139.7	552.5	—	198.4	49.2	43.1
1-1/2 x 3	1916F / P1	123.8	165.1	571.5	596.9	198.4	49.2	45.4
	1916F / P3	123.8	165.1	571.5	—	198.4	49.2	45.4
2 x 3	1916G / P1	155.6	171.5	603.3	635	198.4	55.5	45.4
	1916G / P3	155.6	171.5	603.3	—	198.4	55.5	45.4
2 x 3	1916H / P1	154	161.9	660.4	660.4	209.6	55.5	63.5
	1916H / P3	154	161.9	660.4	—	209.6	55.5	63.5
3 x 4	1916J / P1	184.2	181	755.7	755.7	228.6	65.1	99.8
	1916J / P3	184.2	181	755.7	—	228.6	65.1	99.8
3 x 6	1916K / P1	196.9	215.9	895.4	895.4	266.7	65.1	145.2
	1916K / P3	196.9	215.9	895.4	—	266.7	65.1	145.2
4 x 6	1916L / P1	196.9	222.3	946.2	946.2	311.2	71.4	167.8
	1916L / P3	196.9	222.3	946.2	—	311.2	71.4	167.8
1-1/2 x 3	1918D / P1	139.7	177.8	673.1	698.5	225.4	61.9	68
	1918D / P3	139.7	177.8	673.1	—	225.4	61.9	68
1-1/2 x 3	1918E / P1	139.7	177.8	673.1	698.5	225.4	61.9	68
	1918E / P3	139.7	177.8	673.1	—	225.4	61.9	68
1-1/2 x 3	1918F / P1	139.7	177.8	673.1	698.5	225.4	61.9	68
	1918F / P3	139.7	177.8	673.1	—	225.4	61.9	68
2 x 3	1918G / P1	155.6	171.5	603.3	635	198.4	68.2	49.9
	1918G / P3	155.6	171.5	603.3	—	198.4	68.2	49.9
1 x 2	1920D / P1	104.8	114.3	444.5	469.9	138.1	34.9	22.7
	1920D / P3	104.8	114.3	444.5	—	138.1	34.9	22.7
1 x 2	1920E / P1	104.8	114.3	444.5	469.9	138.1	34.9	22.7
	1920E / P3	104.8	114.3	444.5	—	138.1	34.9	22.7
1-1/2 x 2	1920F / P1	123.8	152.4	463.6	489	138.1	39.7	22.7
	1920F / P3	123.8	152.4	463.6	—	138.1	39.7	22.7
1-1/2 x 3	1920G / P1	123.8	152.4	463.6	495.3	138.1	39.7	27.2
	1920G / P3	123.8	152.4	463.6	—	138.1	39.7	27.2
2 x 3	1920H / P1	130.2	123.8	514.4	514.4	160.3	42.8	29.5
	1920H / P3	130.2	123.8	514.4	—	160.3	42.8	29.5
3 x 4	1920J / P1	184.2	181	651	651	187.3	46	45.4
	1920J / P3	184.2	181	651	—	187.3	46	45.4
3 x 4	1920K / P1	155.6	161.9	711.2	711.2	196.9	49.2	63.5
	1920K / P3	155.6	161.9	711.2	—	196.9	49.2	63.5

1900/P1 & P3 Series Valves – Metric Units

1900 Steam Internal - Dimensions (mm) & Weights (kg) - Metric Units

Size	Type	A	B	C		D	S	Approx. Weight
				STD	Bellows			
4 x 6	1920L / P1	179.4	181	812.8	812.8	241.3	49.2	99.8
	1920L / P3	179.4	181	812.8	—	241.3	49.2	99.8
4 x 6	1920M / P1	177.8	184.2	812.8	812.8	238.1	49.2	104.3
	1920M / P3	177.8	184.2	812.8	—	238.1	49.2	104.3
4 x 6	1920N / P1	196.9	209.6	870	870	266.7	49.2	117.9
	1920N / P3	196.9	209.6	870	—	266.7	49.2	117.9
4 x 6	1920P / P1	225.4	254	1041.4	1041.4	292.1	49.2	158.8
	1920P / P3	225.4	254	1041.4	—	292.1	49.2	158.8
6 x 8	1920Q /P1	239.7	241.3	1041.4	1041.4	346.1	57.2	201.9
	1920Q / P3	239.7	241.3	1041.4	—	346.1	57.2	201.9
6 x 8	1920R / P1	239.7	241.3	1092.2	1092.2	368.3	57.2	231.3
	1920R / P3	239.7	241.3	1092.2	—	368.3	57.2	231.3
8 x 10	1920T / P1	276.2	279.4	1355.7	1355.7	419.1	61.9	381
	1920T / P3	276.2	279.4	1355.7	—	419.1	61.9	381
1 x 2	1922D / P1	104.8	114.3	444.5	469.9	138.1	34.9	22.7
	1922D / P3	104.8	114.3	444.5	—	138.1	34.9	22.7
1 x 2	1922E / P1	104.8	114.3	444.5	469.9	138.1	34.9	22.7
	1922E / P3	104.8	114.3	444.5	—	138.1	34.9	22.7
1-1/2 x 2	1922F / P1	123.8	152.4	463.6	489	138.1	39.7	22.7
	1922F / P3	123.8	152.4	463.6	—	138.1	39.7	22.7
1-1/2 x 3	1922G / P1	123.8	152.4	482.6	514.4	160.3	39.7	29.5
	1922G / P3	123.8	152.4	482.6	—	160.3	39.7	29.5
2 x 3	1922H / P1	130.2	123.8	514.4	514.4	160.3	42.8	29.5
	1922H / P3	130.2	123.8	514.4	—	160.3	42.8	29.5
3 x 4	1922J / P1	184.2	181	650.9	650.9	187.3	46	45.4
	1922J / P3	184.2	181	650.9	—	187.3	46	45.4
3 x 4	1922K / P1	155.6	161.9	711.2	711.2	196.9	49.2	63.5
	1922K / P3	155.6	161.9	711.2	—	196.9	49.2	63.5
4 x 6	1922L / P1	181	203.2	812.8	812.8	241.3	55.6	104.3
	1922L / P3	181	203.2	812.8	—	241.3	55.6	104.3
4 x 6	1922M / P1	177.8	203.2	920.8	920.8	273.1	55.6	136.1
	1922M / P3	177.8	203.2	920.8	-	273.1	55.6	136.1
4 x 6	1922N / P1	196.9	222.3	990.6	990.6	298.5	55.6	163.3
	1922N / P3	196.9	222.3	990.6	—	298.5	55.6	163.3
6 x 8	1922Q / P1	239.7	241.3	1168.4	1168.4	362	68.3	292.6
	1922Q / P3	239.7	241.3	1168.4	—	362	68.3	292.6
6 x 10	1922R / P1	239.7	266.7	1206.5	1206.5	384.2	68.3	306.2
	1922R / P3	239.7	266.7	1206.5	—	384.2	68.3	306.2
8 x 10	1922T / P1	276.2	279.4	1355.7	1355.7	419.1	61.9	381
	1922T / P3	276.2	279.4	1355.7	—	419.1	61.9	381
4 x 6	1923P / P1	225.4	254	1104.9	1104.9	352.4	55.6	240.4
	1923P / P3	225.4	254	1104.9	—	352.4	55.6	240.4

1900/P1 & P3 Series Valves – Metric Units

1900 Steam Internal - Dimensions (mm) & Weights (kg) - Metric Units

Size	Type	A	B	C		D	S	Approx. Weight
				STD	Bellows			
1-1/2 x 2	1924D / P1	104.8	139.7	552.5	577.9	198.4	49.2	43.1
	1924D / P3	104.8	139.7	552.5	—	198.4	49.2	43.1
1-1/2 x 2	1924E / P1	104.8	139.7	552.5	577.9	198.4	49.2	43.1
	1924E / P3	104.8	139.7	552.5	—	198.4	49.2	43.1
1-1/2 x 3	1924F / P1	123.8	165.1	571.5	596.9	198.4	49.2	45.4
	1924F / P3	123.8	165.1	571.5	—	198.4	49.2	45.4
1-1/2 x 3	1924G / P1	123.8	165.1	571.5	603.3	198.4	49.2	43.1
	1924G / P3	123.8	165.1	571.5	—	198.4	49.2	43.1
2 x 3	1924H / P1	154	161.9	584.2	584.2	177.8	55.6	40.8
	1924H / P3	154	161.9	584.2	—	177.8	55.6	40.8
3 x 4	1924J / P1	184.2	181	758.8	758.8	228.6	58.7	81.6
	1924J / P3	184.2	181	758.8	—	228.6	58.7	81.6
3 x 6	1924K / P1	198.4	215.9	895.4	895.4	266.7	55.6	136.1
	1924K / P3	198.4	215.9	895.4	—	266.7	55.6	136.1
4 x 6	1924L / P1	196.9	222.3	946.2	946.2	311.2	61.9	163.3
	1924L / P3	196.9	222.3	946.2	—	311.2	61.9	163.3
4 x 6	1924M / P1	196.9	222.3	939.8	939.8	273.1	61.9	154.2
	1924M / P3	196.9	222.3	939.8	—	273.1	61.9	154.2
4 x 6	1924N / P1	196.9	222.3	990.6	990.6	298.5	61.9	172.4
	1924N / P3	196.9	222.3	990.6	—	298.5	61.9	172.4
4 x 6	1924P / P1	225.4	254	1104.9	1104.9	352.4	61.9	247.2
	1924P / P3	225.4	254	1104.9	—	352.4	61.9	247.2
1-1/2 x 2	1926D / P1	104.8	139.7	552.5	577.9	198.4	49.2	43.1
	1926D / P3	104.8	139.7	552.5	—	198.4	49.2	43.1
1-1/2 x 2	1926E / P1	104.8	139.7	552.5	577.9	198.4	49.2	43.1
	1926E / P3	104.8	139.7	552.5	—	198.4	49.2	43.1
1-1/2 x 3	1926F / P1	123.8	165.1	571.5	596.9	198.4	49.2	45.4
	1926F / P3	123.8	165.1	571.5	—	198.4	49.2	45.4
2 x 3	1926G / P1	155.6	171.5	603.3	635	198.4	55.6	45.4
	1926G / P3	155.6	171.5	603.3	—	198.4	55.6	45.4
2 x 3	1926H / P1	154	161.9	660.4	660.4	209.6	55.6	63.5
	1926H / P3	154	161.9	660.4	—	209.6	55.6	63.5
3 x 4	1926J / P1	184.2	181	755.7	755.7	228.6	65.1	99.8
	1926J / P3	184.2	181	755.7	—	228.6	65.1	99.8
3 x 6	1926K / P1	196.9	215.9	895.4	895.4	266.7	65.1	145.2
	1926K / P3	196.9	215.9	895.4	—	266.7	65.1	145.2
4 x 6	1926L / P1	196.9	222.3	946.2	946.2	311.2	71.4	167.8
	1926L / P3	196.9	222.3	946.2	—	311.2	71.4	167.8

1900/P1 & P3 Series Valves – Metric Units

1900 Steam Internal - Dimensions (mm) & Weights (kg) - Metric Units

Size	Type	A	B	C		D	S	Approx. Weight
				STD	Bellows			
1-1/2 x 3	1928D / P1	139.7	177.8	673.1	698.5	225.4	61.9	68
	1928D / P3	139.7	177.8	673.1	—	225.4	61.9	68
1-1/2 x 3	1928E / P1	139.7	177.8	673.1	698.5	225.4	61.9	68
	1928E / P3	139.7	177.8	673.1	—	225.4	61.9	68
1-1/2 x 3	1928F / P1	139.7	177.8	673.1	698.5	225.4	61.9	68
	1928F / P3	139.7	177.8	673.1	—	225.4	61.9	68
2 x 3	1928G / P1	155.6	171.5	603.3	635	198.4	68.2	49.9
	1928G / P3	155.6	171.5	603.3	—	198.4	68.2	49.9

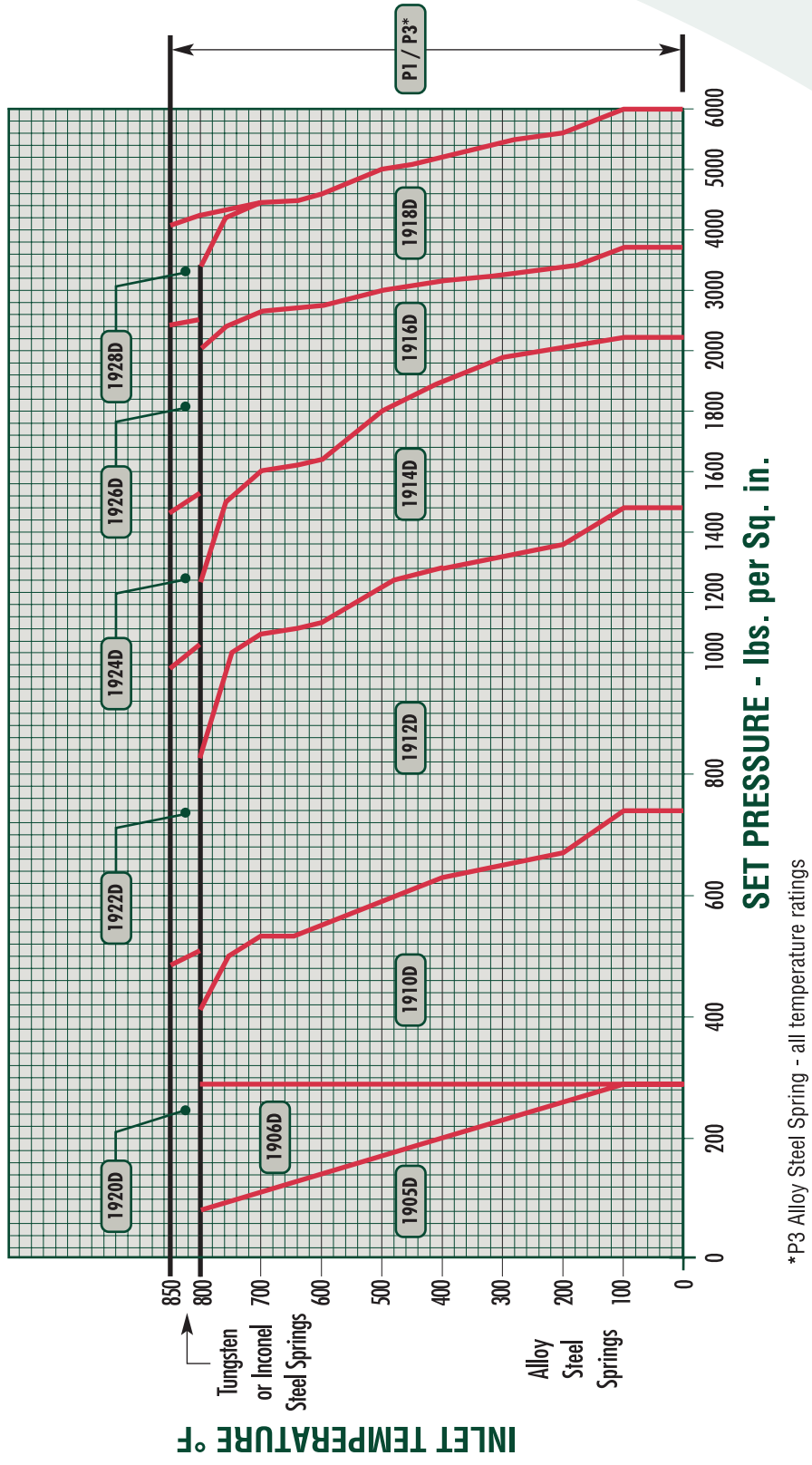
Selection Table for Steam Service

1900 & 1900-30 P1 & P3 Series
D Orifice - API area: 0.110 Sq. in.

Valve Type Number		Valve Size	ANSI Flanged Ratings		Inlet Pressure (psig) & Temperature Limits - °F				Back Press. Limits (psig) at 100°F	
Standard	Bellows	Inlet x Outlet	Inlet R.F. or R.J.	Outlet R.F.	100	Sat. Stm.	800	850	Standard	Bellows
1905D / P1	1905-30D / P1	1 x 2	150	150	285	210	80	—	285	230
1905D / P3	—				285	210	80	—	—	—
1906D / P1	1906-30D / P1	1 x 2	300	150	285	285	285	—	285	230
1906D / P3	—				285	285	285	—	—	—
1910D / P1	1910-30D / P1	1 x 2	300	150	740	625	410	—	285	230
1910D / P3	—				740	625	410	—	—	—
1912D / P1	1912-30D / P1	1 x 2	600	150	1480	1205	825	—	285	230
1912D / P3	—				1480	1205	825	—	—	—
1914D / P1	1914-30D / P1	1-1/2 x 2	900	300	2220	1740	1235	—	600	500
1914D / P3	—				2220	1740	1235	—	—	—
1916D / P1	1916-30D / P1	1-1/2 x 2	1500	300	3705	2735	2060	—	600	500
1916D / P3	—				3705	2735	2060	—	—	—
1918D / P1	1918-30D / P1	1-1/2 x 3	2500	300	6000	4460	3430	—	740	500
1918D / P3	—				6000	4460	3430	—	—	—
1920D / P1	1920-30D / P1	1 x 2	300	150	—	—	510	485	285	230
1920D / P3	—				—	—	510	485	—	—
1922D / P1	1922-30D / P1	1 x 2	600	150	—	—	1015	975	285	230
1922D / P3	—				—	—	1015	975	—	—
1924D / P1	1924-30D / P1	1-1/2 x 2	900	300	—	—	1525	1460	600	500
1924D / P3	—				—	—	1525	1460	—	—
1926D / P1	1926-30D / P1	1-1/2 x 2	1500	300	—	—	2540	2435	600	500
1926D / P3	—				—	—	2540	2435	—	—
1928D / P1	1928-30D / P1	1-1/2 x 3	2500	300	—	—	4230	4060	740	500
1928D / P3	—				—	—	4230	4060	—	—

Selection Chart for Steam Service

1900 & 1900-30 P1 & P3 Series
D Orifice - API area: 0.110 Sq. in.



*P3 Alloy Steel Spring - all temperature ratings

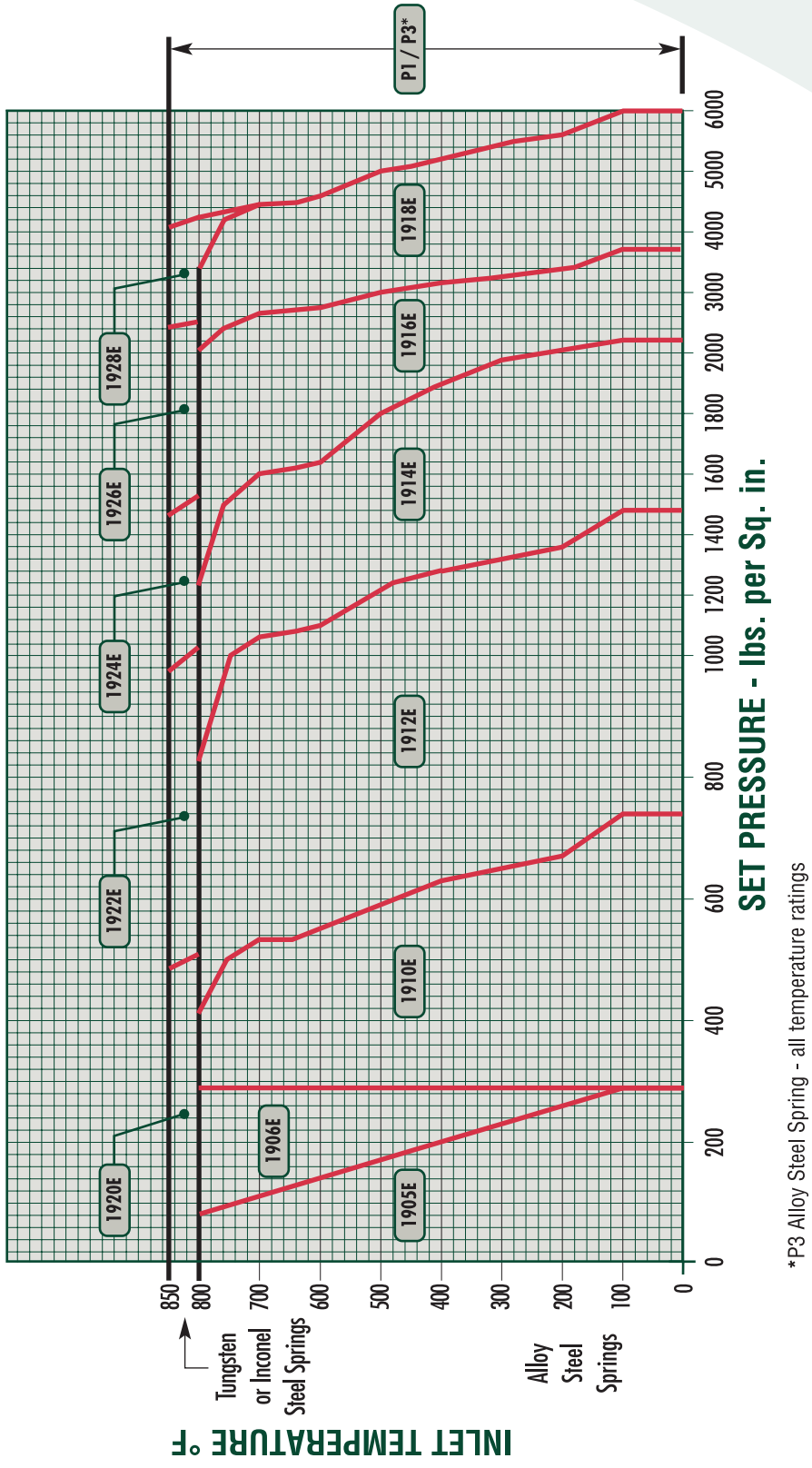
Selection Table for Steam Service

1900 & 1900-30 P1 & P3 Series
E Orifice - API area: 0.196 Sq. in.

Valve Type Number		Valve Size	ANSI Flanged Ratings		Inlet Pressure (psig) & Temperature Limits - °F				Back Press. Limits (psig) at 100°F	
Standard	Bellows	Inlet x Outlet	Inlet R.F. or R.J.	Outlet R.F.	100	Sat. Stm.	800	850	Standard	Bellows
1905E / P1	1905-30E / P1	1 x 2	150	150	285	210	80	—	285	230
1905E / P3	—				285	210	80	—	—	—
1906E / P1	1906-30E / P1	1 x 2	300	150	285	285	285	—	285	230
1906E / P3	—				285	285	285	—	—	—
1910E / P1	1910-30E / P1	1 x 2	300	150	740	625	410	—	285	230
1910E / P3	—				740	625	410	—	—	—
1912E / P1	1912-30E / P1	1 x 2	600	150	1480	1205	825	—	285	230
1912E / P3	—				1480	1205	825	—	—	—
1914E / P1	1914-30E / P1	1-1/2 x 2	900	300	2220	1740	1235	—	600	500
1914E / P3	—				2220	1740	1235	—	—	—
1916E / P1	1916-30E / P1	1-1/2 x 2	1500	300	3705	2735	2060	—	600	500
1916E / P3	—				3705	2735	2060	—	—	—
1918E / P1	1918-30E / P1	1-1/2 x 3	2500	300	6000	4460	3430	—	740	500
1918E / P3	—				6000	4460	3430	—	—	—
1920E / P1	1920-30E / P1	1 x 2	300	150	—	—	510	485	285	230
1920E / P3	—				—	—	510	485	—	—
1922E / P1	1922-30E / P1	1 x 2	600	150	—	—	1015	975	285	230
1922E / P3	—				—	—	1015	975	—	—
1924E / P1	1924-30E / P1	1-1/2 x 2	900	300	—	—	1525	1460	600	500
1924E / P3	—				—	—	1525	1460	—	—
1926E / P1	1926-30E / P1	1-1/2 x 2	1500	300	—	—	2540	2435	600	500
1926E / P3	—				—	—	2540	2435	—	—
1928E / P1	1928-30E / P1	1-1/2 x 3	2500	300	—	—	4230	4060	740	500
1928E / P3	—				—	—	4230	4060	—	—

Selection Chart for Steam Service

1900 & 1900-30 P1 & P3 Series
E Orifice - API area: 0.196 Sq. in.



*P3 Alloy Steel Spring - all temperature ratings

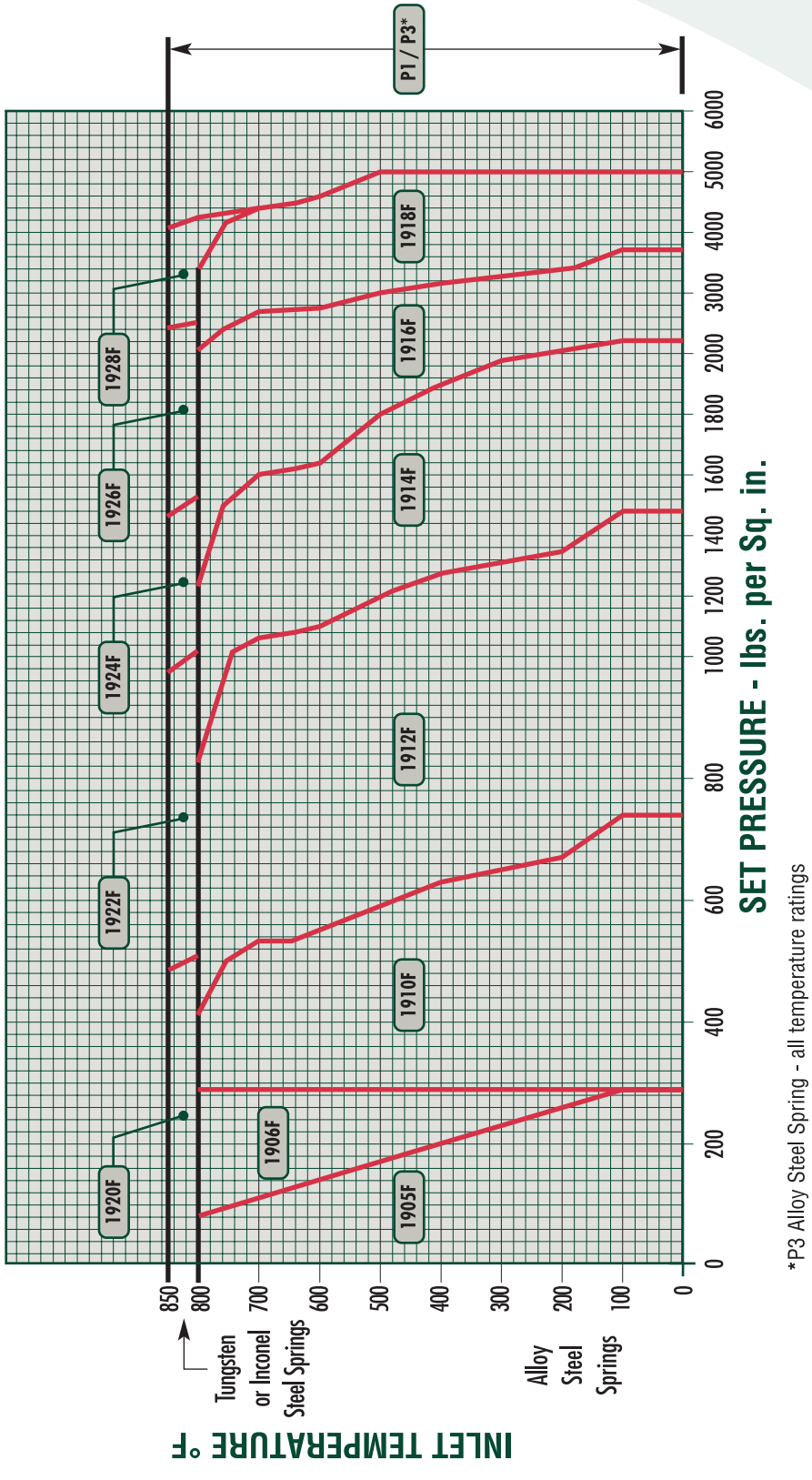
Selection Table for Steam Service

1900 & 1900-30 P1 & P3 Series
F Orifice - API area: 0.307 Sq. in.

Valve Type Number		Valve Size	ANSI Flanged Ratings		Inlet Pressure (psig) & Temperature Limits - °F				Back Press. Limits (psig) at 100°F	
Standard	Bellows	Inlet x Outlet	Inlet R.F. or R.J.	Outlet R.F.	100	Sat. Stm.	800	850	Standard	Bellows
1905F / P1	1905-30F / P1	1-1/2 x 2	150	150	285	210	80	—	285	230
1905F / P3	—				285	210	80	—	—	—
1906F / P1	1906-30F / P1	1-1/2 x 2	300	150	285	285	285	—	285	230
1906F / P3	—				285	285	285	—	—	—
1910F / P1	1910-30F / P1	1-1/2 x 2	300	150	740	625	410	—	285	230
1910F / P3	—				740	625	410	—	—	—
1912F / P1	1912-30F / P1	1-1/2 x 2	600	150	1480	1205	825	—	285	230
1912F / P3	—				1480	1205	825	—	—	—
1914F / P1	1914-30F / P1	1-1/2 x 3	900	300	2220	1740	1235	—	740	500
1914F / P3	—				2220	1740	1235	—	—	—
1916F / P1	1916-30F / P1	1-1/2 x 3	1500	300	3705	2735	2060	—	740	500
1916F / P3	—				3705	2735	2060	—	—	—
1918F / P1	1918-30F / P1	1-1/2 x 3	2500	300	5000	4460	3430	—	740	500
1918F / P3	—				5000	4460	3430	—	—	—
1920F / P1	1920-30F / P1	1-1/2 x 2	300	150	—	—	510	485	285	230
1920F / P3	—				—	—	510	485	—	—
1922F / P1	1922-30F / P1	1-1/2 x 2	600	150	—	—	1015	975	285	230
1922F / P3	—				—	—	1015	975	—	—
1924F / P1	1924-30F / P1	1-1/2 x 3	900	300	—	—	1525	1460	740	500
1924F / P3	—				—	—	1525	1460	—	—
1926F / P1	1926-30F / P1	1-1/2 x 3	1500	300	—	—	2540	2435	740	500
1926F / P3	—				—	—	2540	2435	—	—
1928F / P1	1928-30F / P1	1-1/2 x 3	2500	300	—	—	4230	4060	740	500
1928F / P3	—				—	—	4230	4060	—	—

Selection Chart for Steam Service

1900 & 1900-30 P1 & P3 Series
F Orifice - API area: 0.307 Sq. in.



*P3 Alloy Steel Spring - all temperature ratings

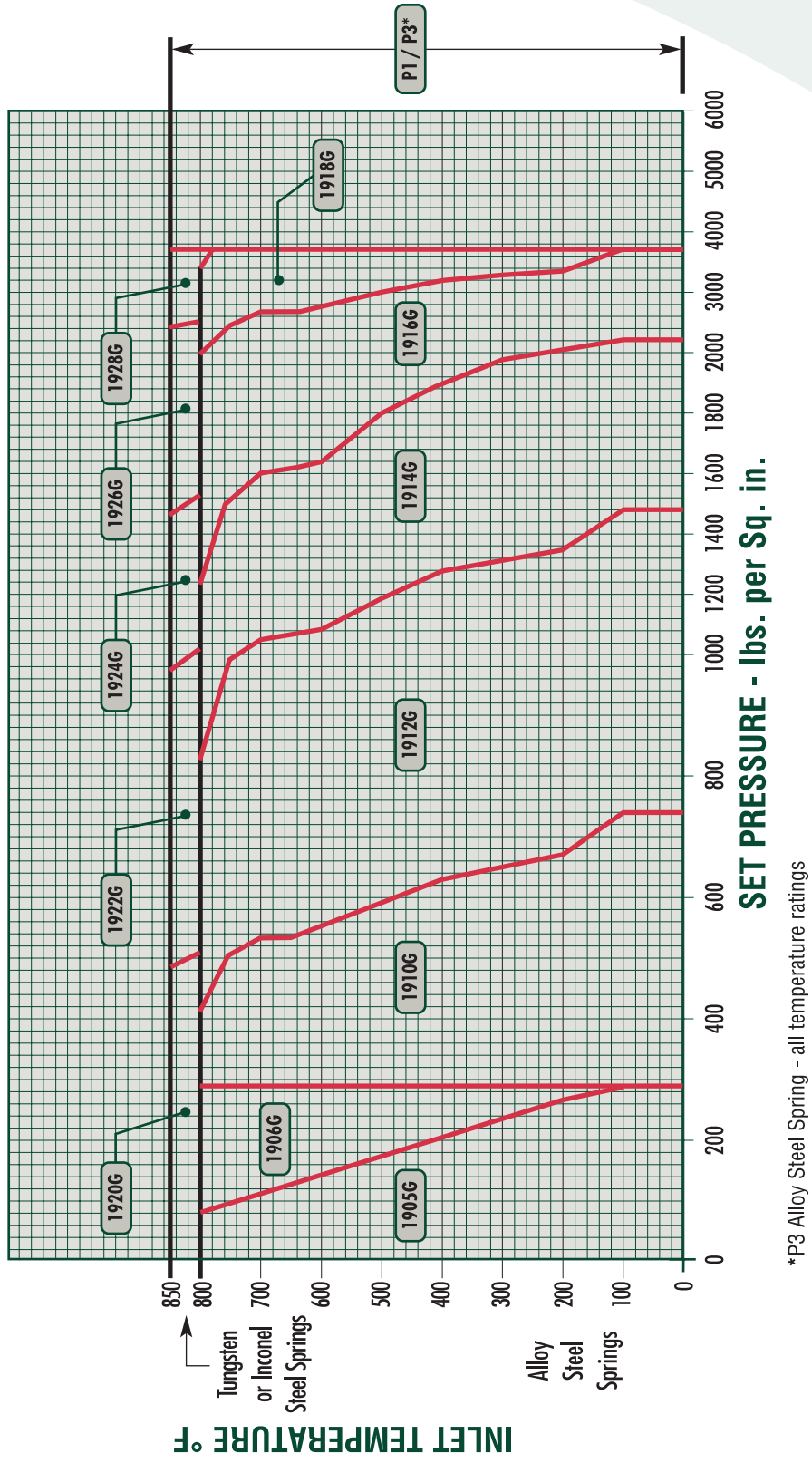
Selection Table for Steam Service

1900 & 1900-30 P1 & P3 Series
G Orifice - API area: 0.503 Sq. in.

Valve Type Number		Valve Size	ANSI Flanged Ratings		Inlet Pressure (psig) & Temperature Limits - °F				Back Press. Limits (psig) at 100°F	
Standard	Bellows	Inlet x Outlet	Inlet R.F. or R.J.	Outlet R.F.	100	Sat. Stm.	800	850	Standard	Bellows
1905G / P1	1905-30G / P1	1-1/2 x 3	150	150	285	210	80	—	285	230
1905G / P3	—				285	210	80	—	—	—
1906G / P1	1906-30G / P1	1-1/2 x 3	300	150	285	285	285	—	285	230
1906G / P3	—				285	285	285	—	—	—
1910G / P1	1910-30G / P1	1-1/2 x 3	300	150	740	625	410	—	285	230
1910G / P3	—				740	625	410	—	—	—
1912G / P1	1912-30G / P1	1-1/2 x 3	600	150	1480	1205	825	—	285	230
1912G / P3	—				1480	1205	825	—	—	—
1914G / P1	1914-30G / P1	1-1/2 x 3	900	300	2230	1740	1235	—	740	470
1914G / P3	—				2230	1740	1235	—	—	—
1916G / P1	1916-30G / P1	2 x 3	1500	300	3600	2735	2060	—	740	470
1916G / P3	—				3600	2735	2060	—	—	—
1918G / P1	1918-30G / P1	2 x 3	2500	300	3600	3600	3430	—	740	470
1918G / P3	—				3600	3600	3430	—	—	—
1920G / P1	1920-30G / P1	1-1/2 x 3	300	150	—	—	510	485	285	230
1920G / P3	—				—	—	510	485	—	—
1922G / P1	1922-30G / P1	1-1/2 x 3	600	150	—	—	1015	975	285	230
1922G / P3	—				—	—	1015	975	—	—
1924G / P1	1924-30G / P1	1-1/2 x 3	900	300	—	—	1525	1460	740	470
1924G / P3	—				—	—	1525	1460	—	—
1926G / P1	1926-30G / P1	2 x 3	1500	300	—	—	2540	2435	740	470
1926G / P3	—				—	—	2540	2435	—	—
1928G / P1	1928-30G / P1	2 x 3	2500	300	—	—	3600	3600	740	470
1928G / P3	—				—	—	3600	3600	—	—

Selection Chart for Steam Service

1900 & 1900-30 P1 & P3 Series
G Orifice - API area: 0.503 Sq. in.



*P3 Alloy Steel Spring - all temperature ratings

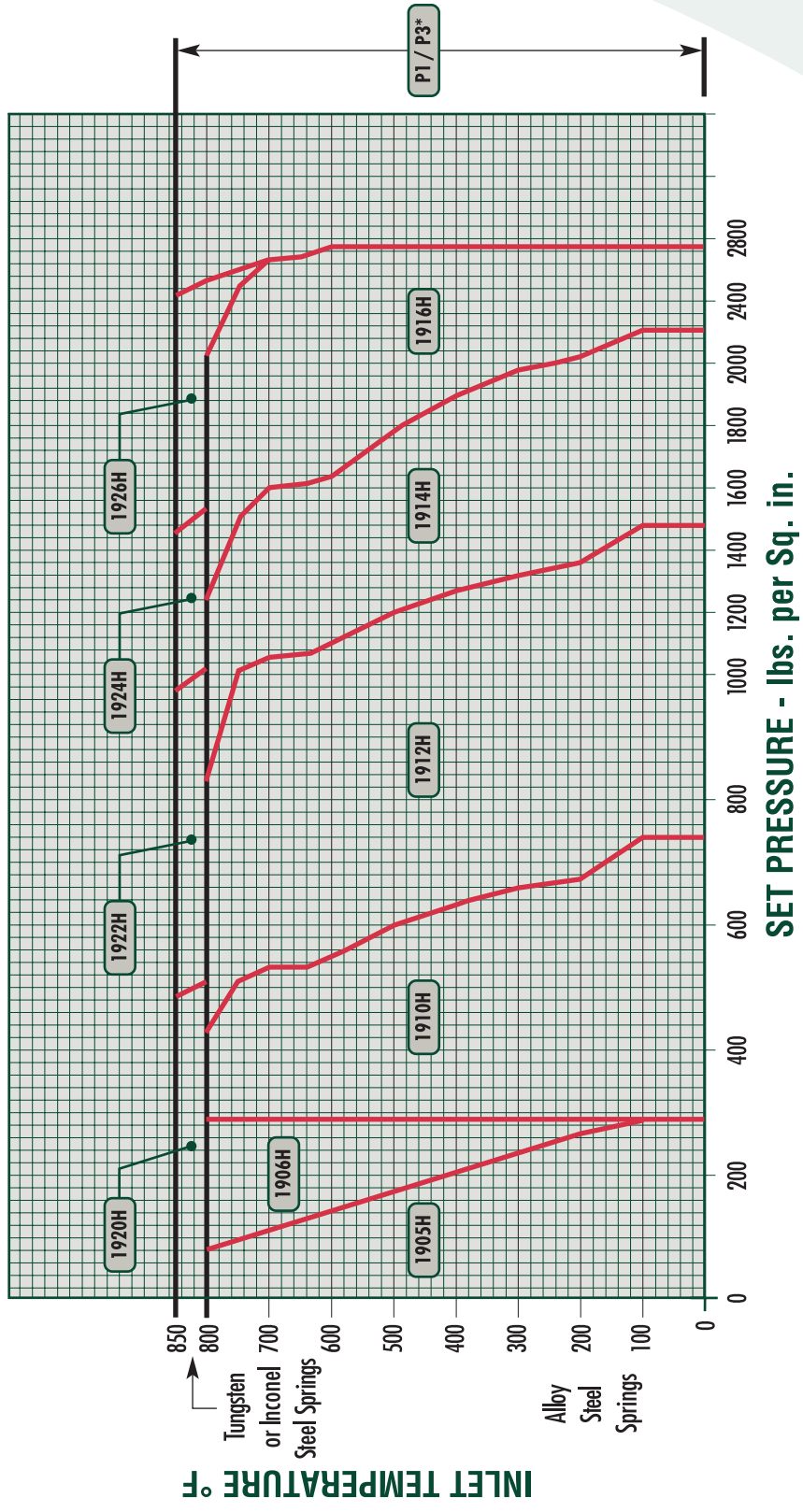
Selection Table for Steam Service

1900 & 1900-30 P1 & P3 Series
H Orifice - API area: 0.785 Sq. in.

Valve Type Number		Valve Size	ANSI Flanged Ratings		Inlet Pressure (psig) & Temperature Limits - °F				Back Press. Limits (psig) at 100°F	
Standard	Bellows	Inlet x Outlet	Inlet R.F. or R.J.	Outlet R.F.	100	Sat. Stm.	800	850	Standard	Bellows
1905H / P1	1905-30H / P1	1-1/2 x 3	150	150	285	210	80	—	285	230
1905H / P3	—				285	210	80	—	—	—
1906H / P1	1906-30H / P1	1-1/2 x 3	300	150	285	285	285	—	285	230
1906H / P3	—				285	285	285	—	—	—
1910H / P1	1910-30H / P1	2 x 3	300	150	740	625	410	—	285	230
1910H / P3	—				740	625	410	—	—	—
1912H / P1	1912-30H / P1	2 x 3	600	150	1480	1205	825	—	285	230
1912H / P3	—				1480	1205	825	—	—	—
1914H / P1	1914-30H / P1	2 x 3	900	150	2220	1740	1235	—	285	230
1914H / P3	—				2220	1740	1235	—	—	—
1916H / P1	1916-30H / P1	2 x 3	1500	300	2750	2735	2060	—	740	415
1916H / P3	—				2750	2735	2060	—	—	—
1920H / P1	1920-30H / P1	2 x 3	300	150	—	—	510	485	285	230
1920H / P3	—				—	—	510	485	—	—
1922H / P1	1922-30H / P1	2 x 3	600	150	—	—	1015	975	285	230
1922H / P3	—				—	—	1015	975	—	—
1924H / P1	1924-30H / P1	2 x 3	900	150	—	—	1525	1460	285	230
1924H / P3	—				—	—	1525	1460	—	—
1926H / P1	1926-30H / P1	2 x 3	1500	300	—	—	2540	2435	740	230
1926H / P3	—				—	—	2540	2435	—	—

Selection Chart for Steam Service

1900 & 1900-30 P1 & P3 Series
H Orifice - API area: 0.785 Sq. in.



*P3 Alloy Steel Spring - all temperature ratings

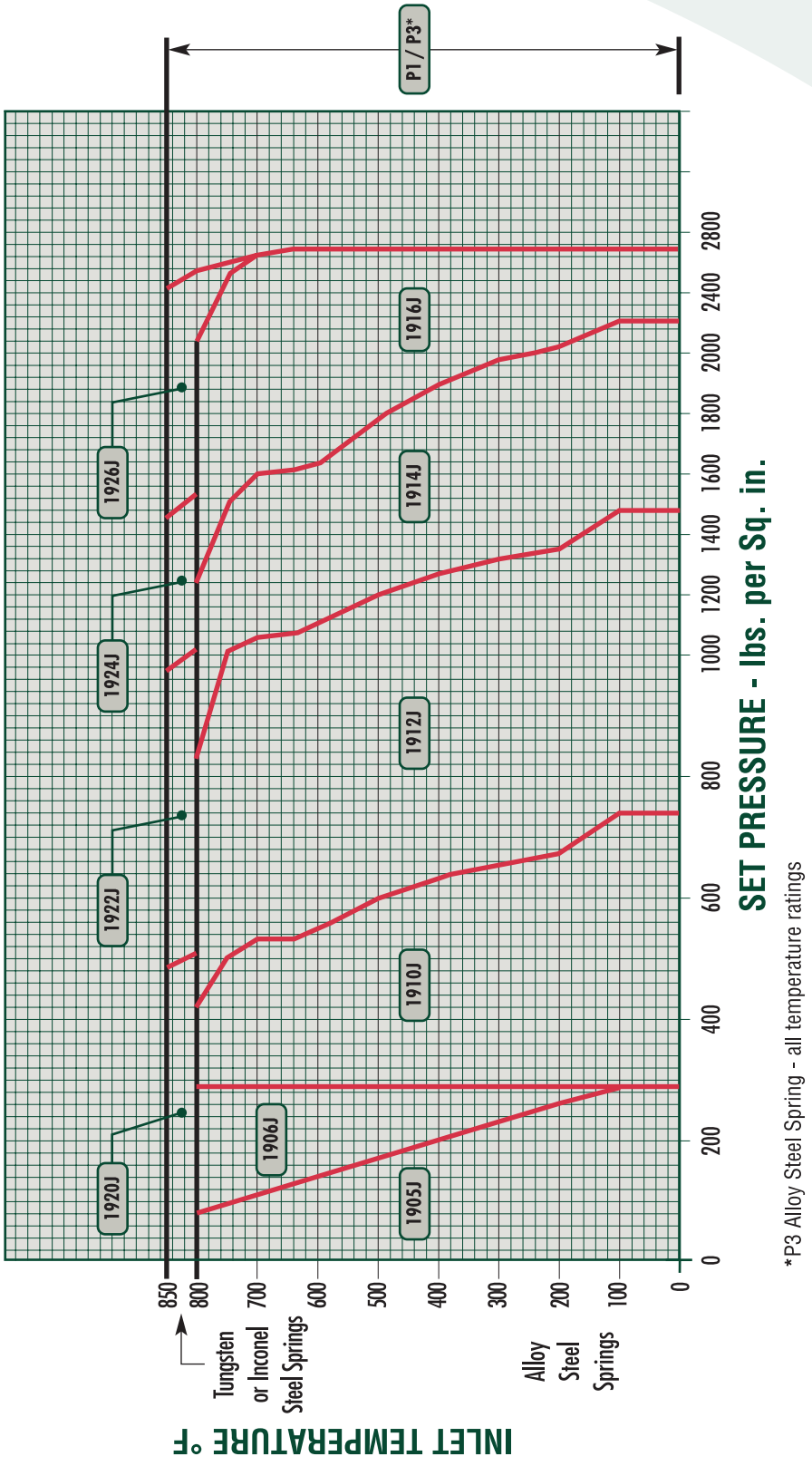
Selection Table for Steam Service

1900 & 1900-30 P1 & P3 Series
J Orifice - API area: 1.287 Sq. in.

Valve Type Number		Valve Size	ANSI Flanged Ratings		Inlet Pressure (psig) & Temperature Limits - °F				Back Press. Limits (psig) at 100°F	
Standard	Bellows	Inlet x Outlet	Inlet R.F. or R.J.	Outlet R.F.	100	Sat. Stm.	800	850	Standard	Bellows
1905J / P1	1905-30J / P1	2 x 3	150	150	285	210	80	—	285	230
1905J / P3	—				285	210	80	—	—	—
1906J / P1	1906-30J / P1	2 x 3	300	150	285	285	285	—	285	230
1906J / P3	—				285	285	285	—	—	—
1910J / P1	1910-30J / P1	3 x 4	300	150	740	625	410	—	285	230
1910J / P3	—				740	625	410	—	—	—
1912J / P1	1912-30J / P1	3 x 4	600	150	1480	1205	825	—	285	230
1912J / P3	—				1480	1205	825	—	—	—
1914J / P1	1914-30J / P1	3 x 4	900	150	2220	1740	1235	—	285	230
1914J / P3	—				2220	1740	1235	—	—	—
1916J / P1	1916-30J / P1	3 x 4	1500	300	2700	2700	2060	—	600	230
1916J / P3	—				2700	2700	2060	—	—	—
1920J / P1	1920-30J / P1	3 x 4	300	150	—	—	510	485	285	230
1920J / P3	—				—	—	510	485	—	—
1922J / P1	1922-30J / P1	3 x 4	600	150	—	—	1015	975	285	230
1922J / P3	—				—	—	1015	975	—	—
1924J / P1	1924-30J / P1	3 x 4	900	150	—	—	1525	1460	285	230
1924J / P3	—				—	—	1525	1460	—	—
1926J / P1	1926-30J / P1	3 x 4	1500	300	—	—	2540	2435	600	230
1926J / P3	—				—	—	2540	2435	—	—

Selection Chart for Steam Service

1900 & 1900-30 P1 & P3 Series
J Orifice - API area: 1.287 Sq. in.



*P3 Alloy Steel Spring - all temperature ratings

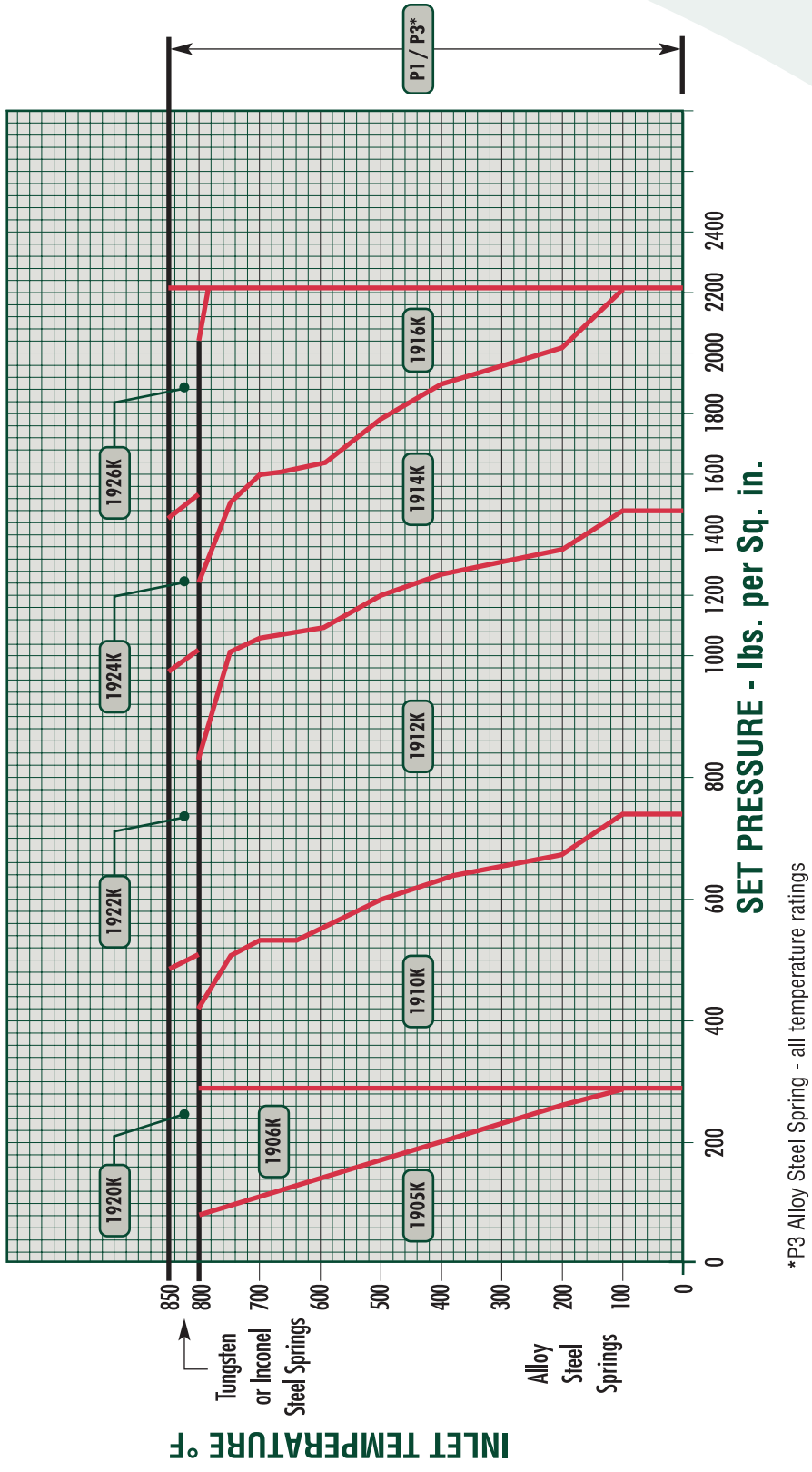
Selection Table for Steam Service

1900 & 1900-30 P1 & P3 Series
K Orifice - API area: 1.838 Sq. in.

Valve Type Number		Valve Size	ANSI Flanged Ratings		Inlet Pressure (psig) & Temperature Limits - °F				Back Press. Limits (psig) at 100°F	
Standard	Bellows	Inlet x Outlet	Inlet R.F. or R.J.	Outlet R.F.	100	Sat. Stm.	800	850	Standard	Bellows
1905K / P1	1905-30K / P1	3 x 4	150	150	285	210	80	—	285	150
1905K / P3	—				285	210	80	—	—	—
1906K / P1	1906-30K / P1	3 x 4	300	150	285	285	285	—	285	150
1906K / P3	—				285	285	285	—	—	—
1910K / P1	1910-30K / P1	3 x 4	300	150	740	625	410	—	285	150
1910K / P3	—				740	625	410	—	—	—
1912K / P1	1912-30K / P1	3 x 4	600	150	1480	1205	825	—	285	200
1912K / P3	—				1480	1205	825	—	—	—
1914K / P1	1914-30K / P1	3 x 6	900	150	2220	1740	1235	—	285	200
1914K / P3	—				2220	1740	1235	—	—	—
1916K / P1	1916-30K / P1	3 x 6	1500	300	2160	2160	2060	—	600	200
1916K / P3	—				2160	2160	2060	—	—	—
1920K / P1	1920-30K / P1	3 x 4	300	150	—	—	510	485	285	150
1920K / P3	—				—	—	510	485	—	—
1922K / P1	1922-30K / P1	3 x 4	600	150	—	—	1015	975	285	200
1922K / P3	—				—	—	1015	975	—	—
1924K / P1	1924-30K / P1	3 x 6	900	150	—	—	1525	1460	285	200
1924K / P3	—				—	—	1525	1460	—	—
1926K / P1	1926-30K / P1	3 x 6	1500	300	—	—	2160	2160	600	200
1926K / P3	—				—	—	2160	2160	—	—

Selection Chart for Steam Service

1900 & 1900-30 P1 & P3 Series
K Orifice - API area: 1.838 Sq. in.



*P3 Alloy Steel Spring - all temperature ratings

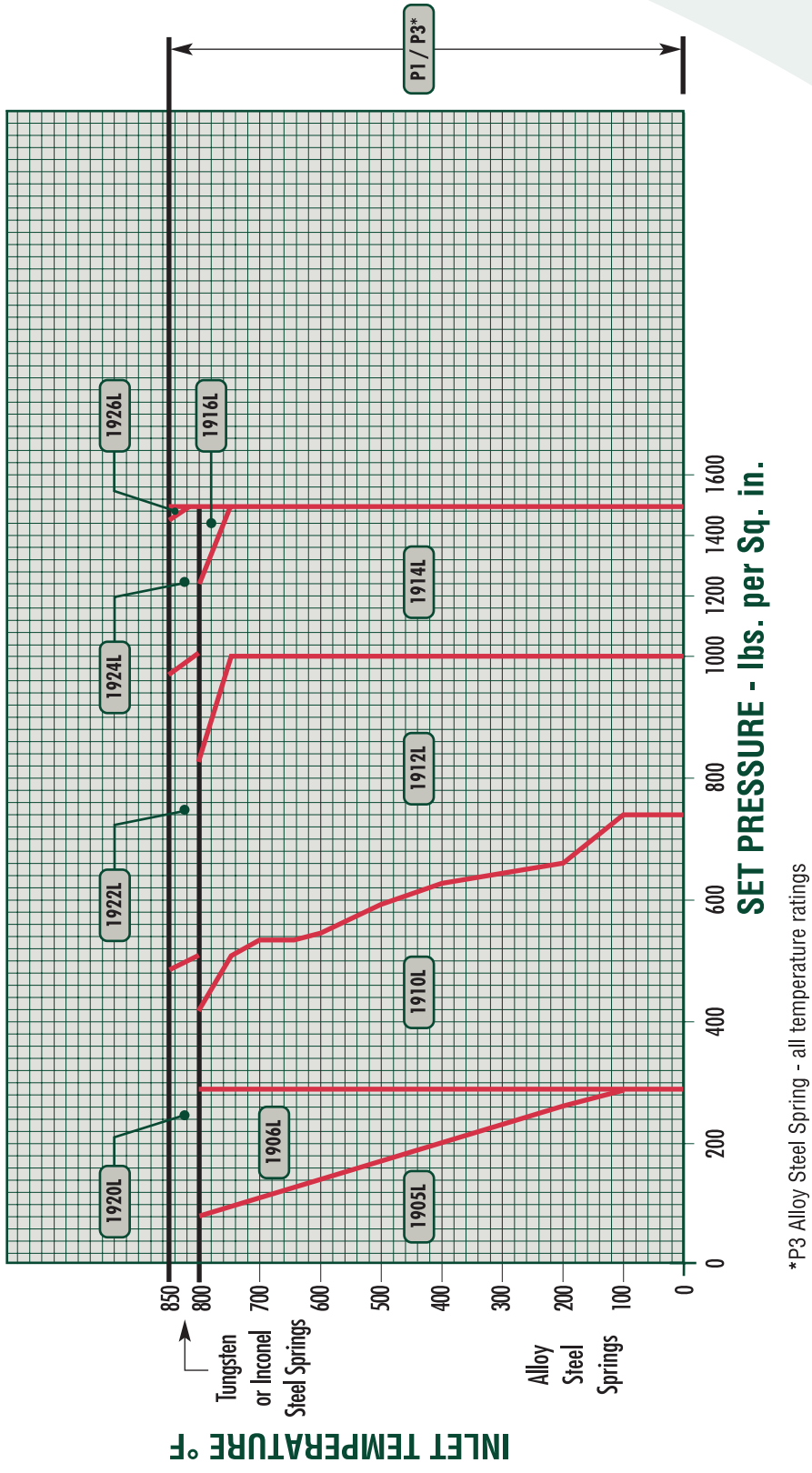
Selection Table for Steam Service

1900 & 1900-30 P1 & P3 Series
L Orifice - API area: 2.853 Sq. in.

Valve Type Number		Valve Size	ANSI Flanged Ratings		Inlet Pressure (psig) & Temperature Limits - °F				Back Press. Limits (psig) at 100°F	
Standard	Bellows	Inlet x Outlet	Inlet R.F. or R.J.	Outlet R.F.	100	Sat. Stm.	800	850	Standard	Bellows
1905L / P1	1905-30L / P1	3 x 4	150	150	285	210	80	—	285	100
1905L / P3	—				285	210	80	—	—	—
1906L / P1	1906-30L / P1	3 x 4	300	150	285	285	285	—	285	100
1906L / P3	—				285	285	285	—	—	—
1910L / P1	1910-30L / P1	4 x 6	300	150	740	625	410	—	285	170
1910L / P3	—				740	625	410	—	—	—
1912L / P1	1912-30L / P1	4 x 6	600	150	1000	1000	825	—	285	170
1912L / P3	—				1000	1000	825	—	—	—
1914L / P1	1914-30L / P1	4 x 6	900	150	1500	1500	1235	—	285	170
1914L / P3	—				1500	1500	1235	—	—	—
1916L / P1	1916-30L / P1	4 x 6	1500	150	1500	1500	1500	—	285	170
1916L / P3	—				1500	1500	1500	—	—	—
1920L / P1	1920-30L / P1	4 x 6	300	150	—	—	510	485	285	170
1920L / P3	—				—	—	510	485	—	—
1922L / P1	1922-30L / P1	4 x 6	600	150	—	—	1015	975	285	170
1922L / P3	—				—	—	1015	975	—	—
1924L / P1	1924-30L / P1	4 x 6	900	150	—	—	1500	1235	285	170
1924L / P3	—				—	—	1500	1235	—	—
1926L / P1	1926-30L / P1	4 x 6	1500	150	—	—	1500	1500	285	170
1926L / P3	—				—	—	1500	1500	—	—

Selection Chart for Steam Service

1900 & 1900-30 P1 & P3 Series
L Orifice - API area: 2.853 Sq. in.



*P3 Alloy Steel Spring - all temperature ratings

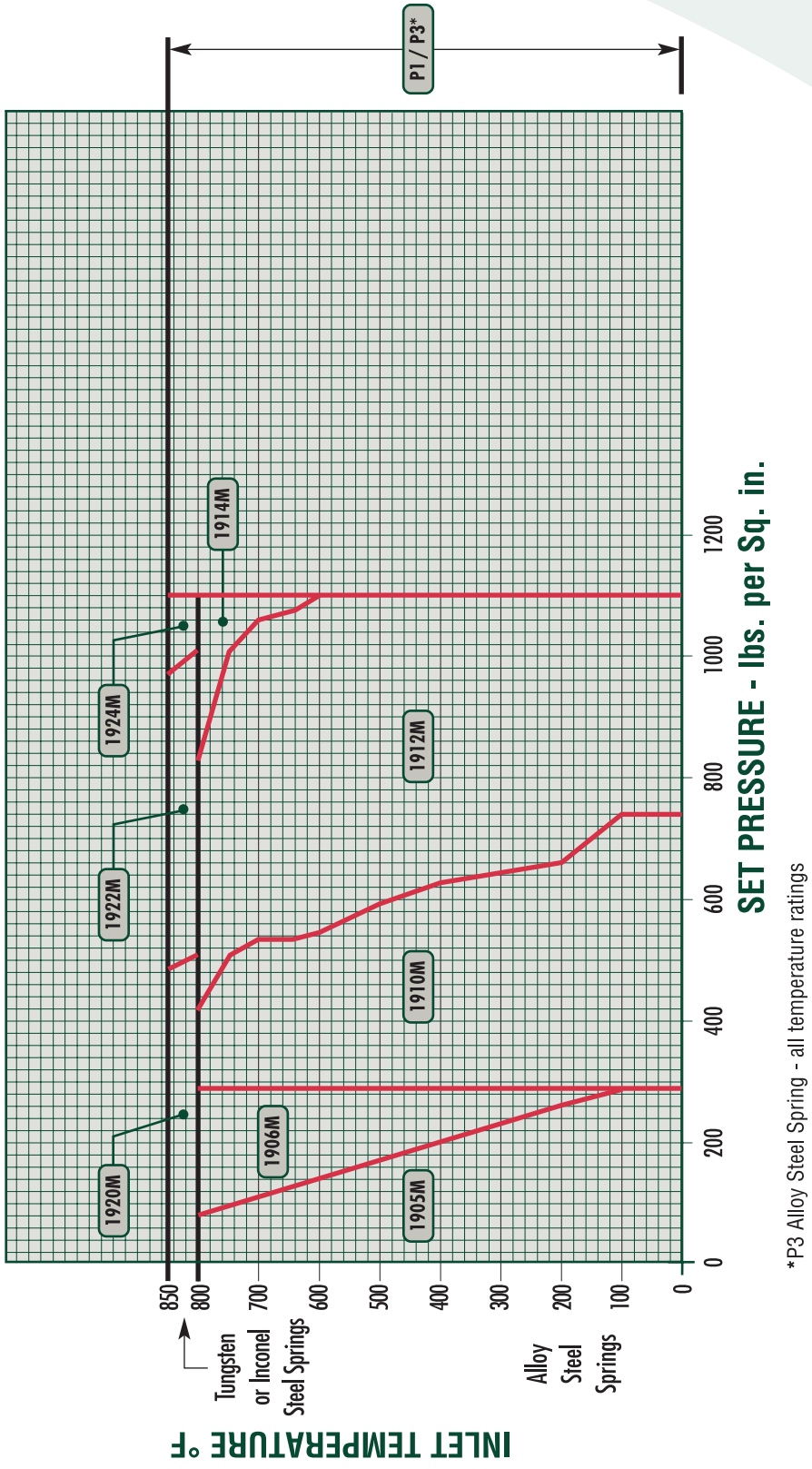
Selection Table for Steam Service

1900 & 1900-30 P1 & P3 Series
M Orifice - API area: 3.60 Sq. in.

Valve Type Number		Valve Size	ANSI Flanged Ratings		Inlet Pressure (psig) & Temperature Limits - °F				Back Press. Limits (psig) at 100°F	
Standard	Bellows	Inlet x Outlet	Inlet R.F. or R.J.	Outlet R.F.	100	Sat. Stm.	800	850	Standard	Bellows
1905M / P1	1905-30M / P1	4 x 6	150	150	285	210	80	—	285	80
1905M / P3	—				285	210	80	—	—	—
1906M / P1	1906-30M / P1	4 x 6	300	150	285	285	285	—	285	80
1906M / P3	—				285	285	285	—	—	—
1910M / P1	1910-30M / P1	4 x 6	300	150	740	625	410	—	285	160
1910M / P3	—				740	625	410	—	—	—
1912M / P1	1912-30M / P1	4 x 6	600	150	1100	1100	825	—	285	160
1912M / P3	—				1100	1100	825	—	—	—
1914M / P1	1914-30M / P1	4 x 6	900	150	1100	1100	1100	—	285	160
1914M / P3	—				1100	1100	1100	—	—	—
1920M / P1	1920-30M / P1	4 x 6	300	150	—	—	510	485	285	160
1920M / P3	—				—	—	510	485	—	—
1922M / P1	1922-30M / P1	4 x 6	600	150	—	—	1015	975	285	160
1922M / P3	—				—	—	1015	975	—	—
1924M / P1	1924-30M / P1	4 x 6	900	150	—	—	1100	1100	285	160
1924M / P3	—				—	—	1100	1100	—	—

Selection Chart for Steam Service

1900 & 1900-30 P1 & P3 Series
M Orifice - API area: 3.60 Sq. in.



*P3 Alloy Steel Spring - all temperature ratings

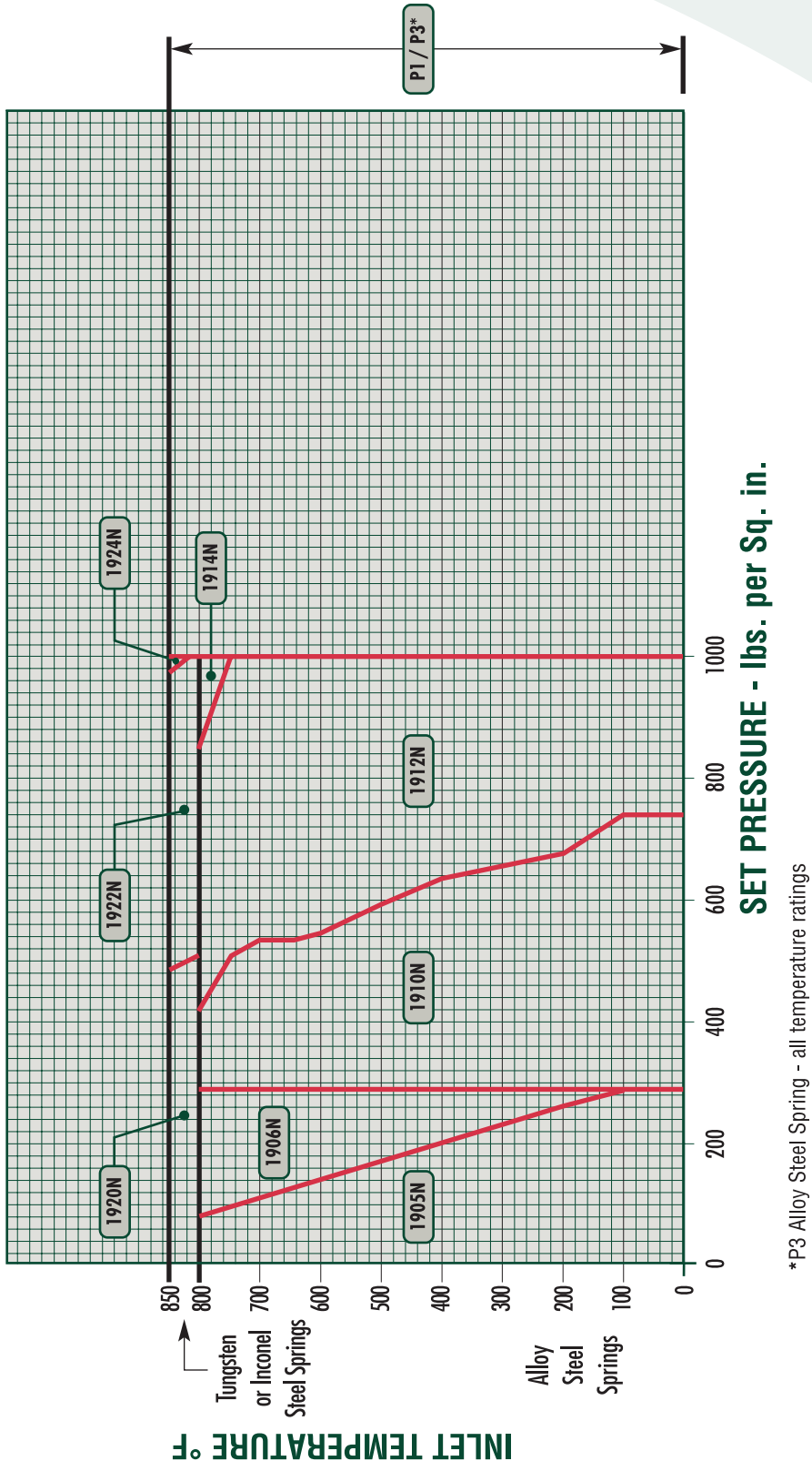
Selection Table for Steam Service

1900 & 1900-30 P1 & P3 Series
N Orifice - API area: 4.34 Sq. in.

Valve Type Number		Valve Size	ANSI Flanged Ratings		Inlet Pressure (psig) & Temperature Limits - °F				Back Press. Limits (psig) at 100°F	
Standard	Bellows	Inlet x Outlet	Inlet R.F. or R.J.	Outlet R.F.	100	Sat. Stm.	800	850	Standard	Bellows
1905N / P1	1905-30N / P1	4 x 6	150	150	285	210	80	—	285	80
1905N / P3	—				285	210	80	—	—	—
1906N / P1	1906-30N / P1	4 x 6	300	150	285	285	285	—	285	80
1906N / P3	—				285	285	285	—	—	—
1910N / P1	1910-30N / P1	4 x 6	300	150	740	625	410	—	285	160
1910N / P3	—				740	625	410	—	—	—
1912N / P1	1912-30N / P1	4 x 6	600	150	1000	1000	975	—	285	160
1912N / P3	—				1000	1000	975	—	—	—
1914N / P1	1914-30N / P1	4 x 6	900	150	1000	1000	1000	—	285	160
1914N / P3	—				1000	1000	1000	—	—	—
1920N / P1	1920-30N / P1	4 x 6	300	150	—	—	510	485	285	160
1920N / P3	—				—	—	510	485	—	—
1922N / P1	1922-30N / P1	4 x 6	600	150	—	—	1000	975	285	160
1922N / P3	—				—	—	1000	975	—	—
1924N / P1	1924-30N / P1	4 x 6	900	150	—	—	1000	1000	285	160
1924N / P3	—				—	—	1000	1000	—	—

Selection Chart for Steam Service

1900 & 1900-30 P1 & P3 Series
N Orifice - API area: 4.34 Sq. in.



*P3 Alloy Steel Spring - all temperature ratings

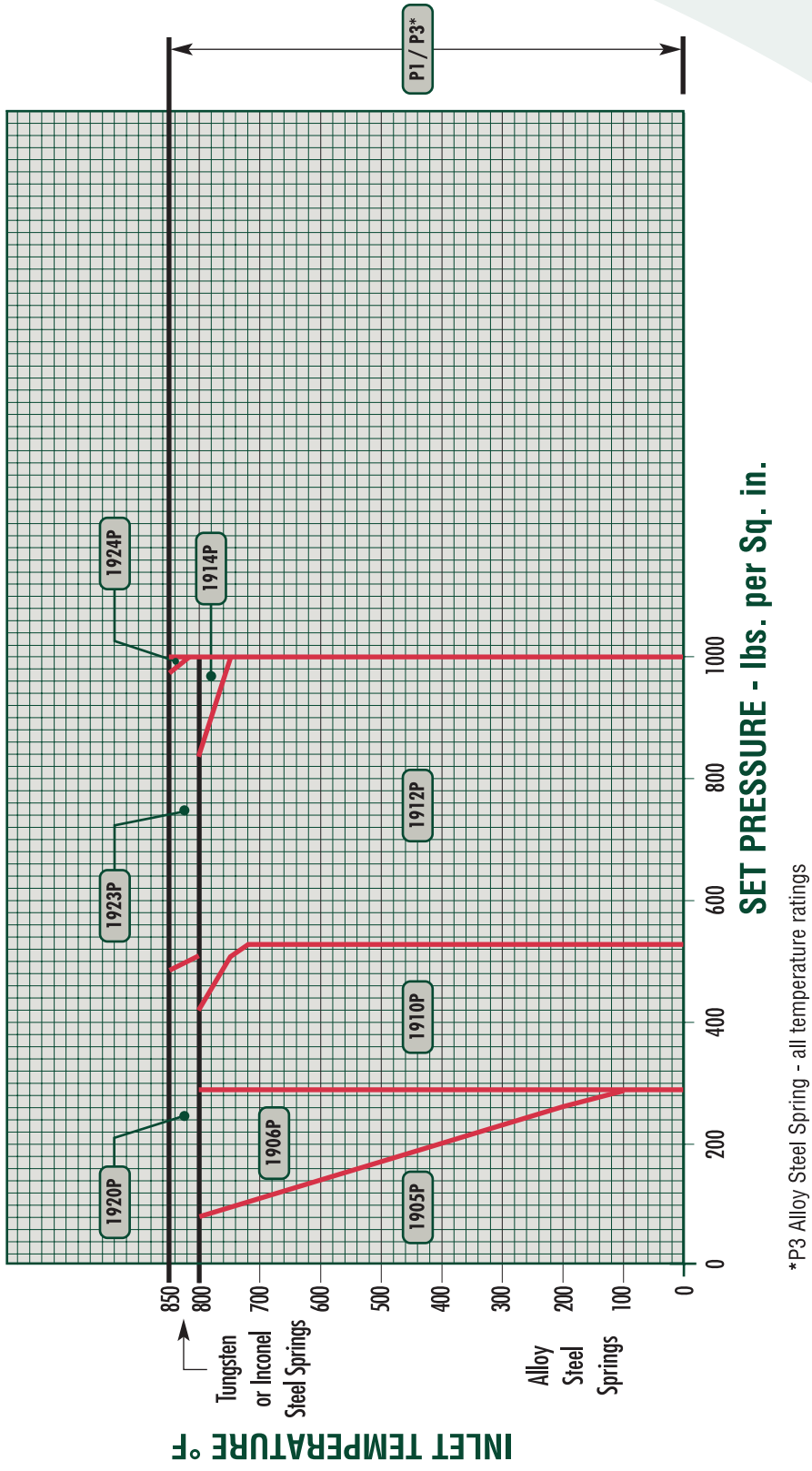
Selection Table for Steam Service

1900 & 1900-30 P1 & P3 Series
P Orifice - API area: 6.38 Sq. in.

Valve Type Number		Valve Size	ANSI Flanged Ratings		Inlet Pressure (psig) & Temperature Limits - °F				Back Press. Limits (psig) at 100°F	
Standard	Bellows	Inlet x Outlet	Inlet R.F. or R.J.	Outlet R.F.	100	Sat. Stm.	800	850	Standard	Bellows
1905P / P1	1905-30P / P1	4 x 6	150	150	285	210	80	—	285	80
1905P / P3	—				285	210	80	—	—	—
1906P / P1	1906-30P / P1	4 x 6	300	150	285	285	285	—	285	80
1906P / P3	—				285	285	285	—	—	—
1910P / P1	1910-30P / P1	4 x 6	300	150	525	525	410	—	285	150
1910P / P3	—				525	525	410	—	—	—
1912P / P1	1912-30P / P1	4 x 6	600	150	1000	1000	825	—	285	150
1912P / P3	—				1000	1000	825	—	—	—
1914P / P1	1914-30P / P1	4 x 6	900	150	1000	1000	1000	—	285	150
1914P / P3	—				1000	1000	1000	—	—	—
1920P / P1	1920-30P / P1	4 x 6	300	150	—	—	510	485	285	150
1920P / P3	—				—	—	510	485	—	—
1923P / P1	1923-30P / P1	4 x 6	600	150	—	—	1000	975	285	150
1923P / P3	—				—	—	1000	975	—	—
1924P / P1	1924-30P / P1	4 x 6	900	150	—	—	1000	1000	285	150
1924P / P3	—				—	—	1000	1000	—	—

Selection Chart for Steam Service

1900 & 1900-30 P1 & P3 Series
P Orifice - API area: 6.38 Sq. in.



*P3 Alloy Steel Spring - all temperature ratings

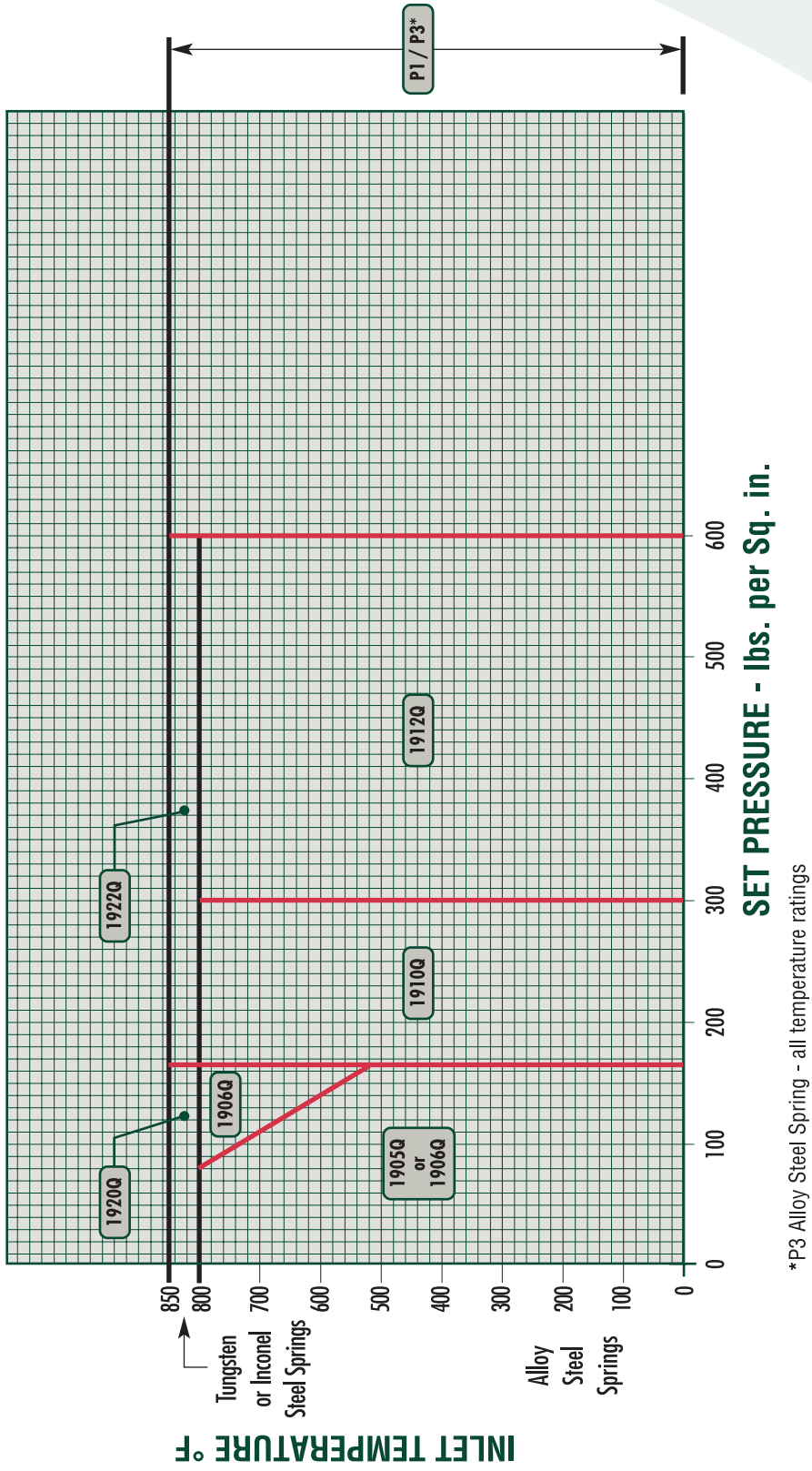
Selection Table for Steam Service

1900 & 1900-30 P1 & P3 Series
Q Orifice - API area: 11.05 Sq. in.

Valve Type Number		Valve Size	ANSI Flanged Ratings		Inlet Pressure (psig) & Temperature Limits - °F				Back Press. Limits (psig) at 100°F	
Standard	Bellows	Inlet x Outlet	Inlet R.F. or R.J.	Outlet R.F.	100	Sat. Stm.	800	850	Standard	Bellows
1905Q / P1	1905-30Q / P1	6 x 8	150	150	165	165	80	—	115	70
1905Q / P3	—				165	165	80	—	—	—
1906Q / P1	1906-30Q / P1	6 x 8	300	150	165	165	165	—	115	70
1906Q / P3	—				165	165	165	—	—	—
1910Q / P1	1910-30Q / P1	6 x 8	300	150	300	300	300	—	115	115
1910Q / P3	—				300	300	300	—	—	—
1912Q / P1	1912-30Q / P1	6 x 8	600	150	600	600	600	—	115	115
1912Q / P3	—				600	600	600	—	—	—
1920Q / P1	1920-30Q / P1	6 x 8	300	150	—	—	165	165	115	115
1920Q / P3	—				—	—	165	165	—	—
1922Q / P1	1922-30Q / P1	6 x 8	600	150	—	—	600	600	115	115
1922Q / P3	—				—	—	600	600	—	—

Selection Chart for Steam Service

1900 & 1900-30 P1 & P3 Series
Q Orifice - API area: 11.05 Sq. in.



*P3 Alloy Steel Spring - all temperature ratings

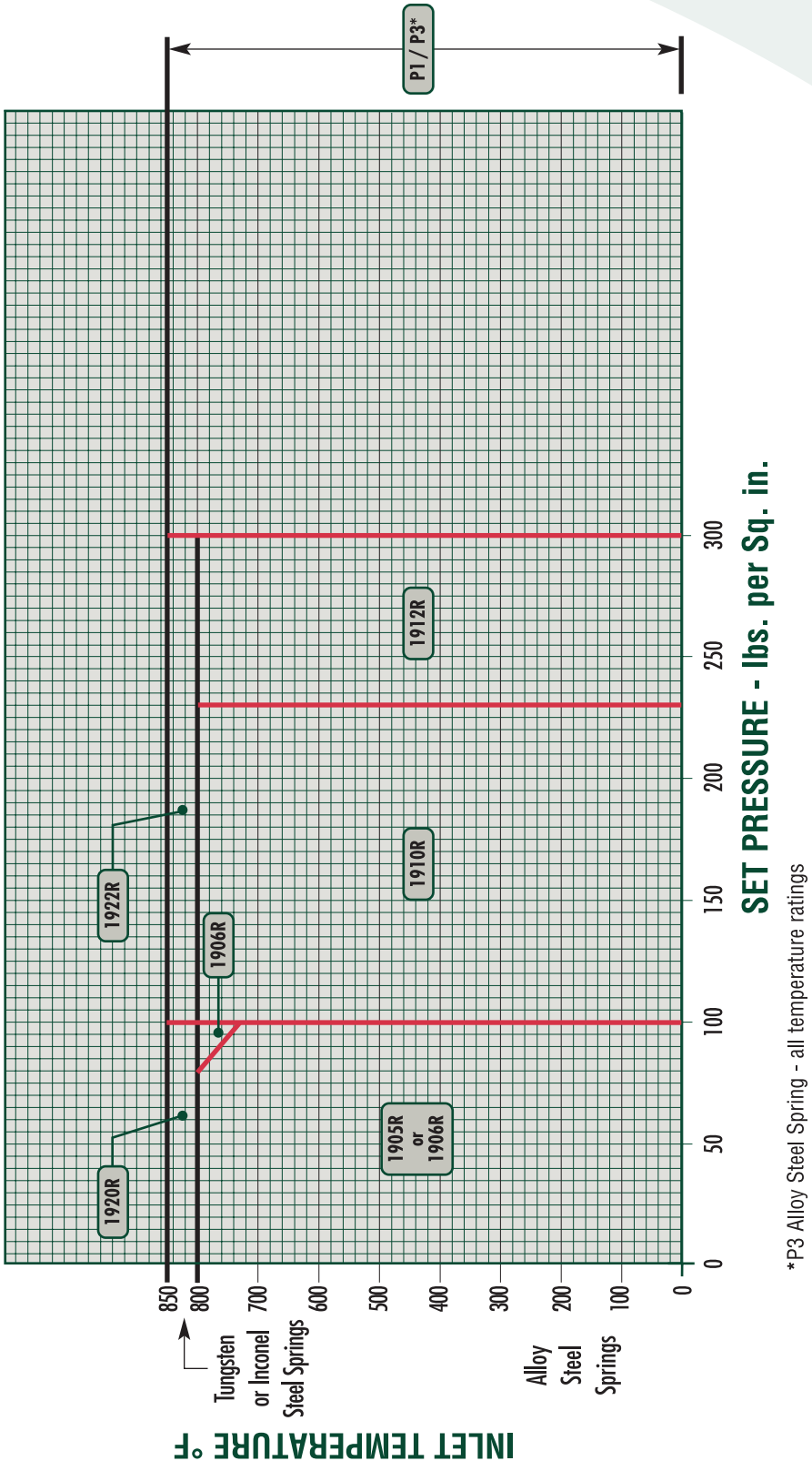
Selection Table for Steam Service

1900 & 1900-30 P1 & P3 Series
R Orifice - API area: 16.0 Sq. in.

Valve Type Number		Valve Size	ANSI Flanged Ratings		Inlet Pressure (psig) & Temperature Limits - °F				Back Press. Limits (psig) at 100°F	
Standard	Bellows	Inlet x Outlet	Inlet R.F. or R.J.	Outlet R.F.	100	Sat. Stm.	800	850	Standard	Bellows
1905R / P1	1905-30R / P1	6 x 8	150	150	100	100	80	—	60	60
1905R / P3	—				100	100	80	—	—	—
1906R / P1	1906-30R / P1	6 x 8	300	150	100	100	100	—	60	60
1906R / P3	—				100	100	100	—	—	—
1910R / P1	1910-30R / P1	6 x 10	300	150	230	230	230	—	100	100
1910R / P3	—				230	230	230	—	—	—
1912R / P1	1912-30R / P1	6 x 10	600	150	300	300	300	—	100	100
1912R / P3	—				300	300	300	—	—	—
1920R / P1	1920-30R / P1	6 x 8	300	150	—	—	100	100	60	60
1920R / P3	—				—	—	100	100	—	—
1922R / P1	1922-30R / P1	6 x 10	600	150	—	—	300	300	100	100
1922R / P3	—				—	—	300	300	—	—

Selection Chart for Steam Service

1900 & 1900-30 P1 & P3 Series
R Orifice - API area: 16.0 Sq. in.



*P3 Alloy Steel Spring - all temperature ratings

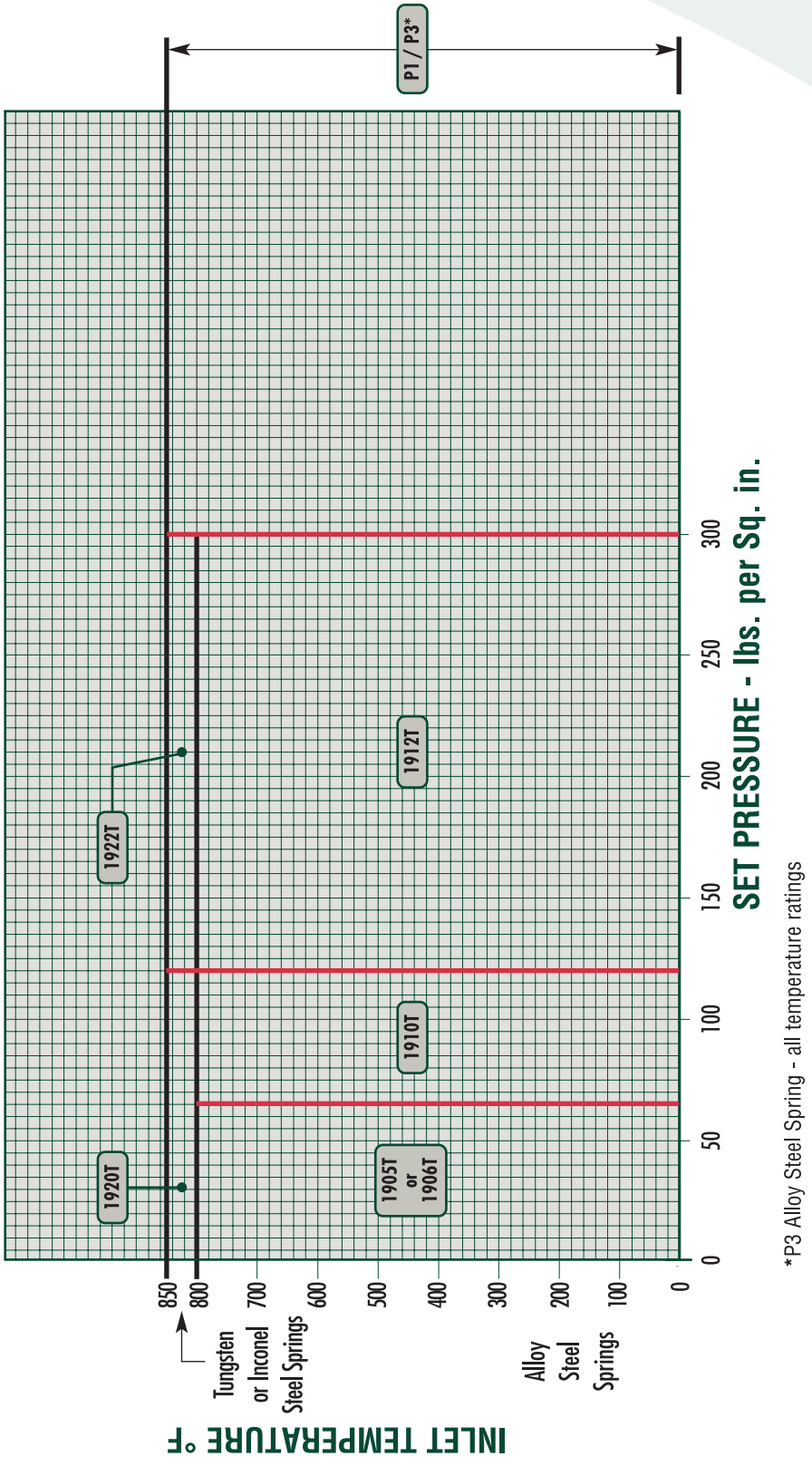
Selection Table for Steam Service

1900 & 1900-30 P1 & P3 Series
T Orifice - Area: 30.21 Sq. in.

Valve Type Number		Valve Size	ANSI Flanged Ratings		Inlet Pressure (psig) & Temperature Limits - °F				Back Press. Limits (psig) at 100°F	
Standard	Bellows	Inlet x Outlet	Inlet R.F. or R.J.	Outlet R.F.	100	Sat. Stm.	800	850	Standard	Bellows
1905T / P1	1905-30T / P1	8 x 10	150	150	65	65	65	—	30	30
1905T / P3	—				65	65	65	—	—	—
1906T / P1	1906-30T / P1	8 x 10	300	150	65	65	65	—	30	30
1906T / P3	—				65	65	65	—	—	—
1910T / P1	1910-30T / P1	8 x 10	300	150	120	120	120	—	60	60
1910T / P3	—				120	120	120	—	—	—
1912T / P1	1912-30T / P1	8 x 10	300	150	300	300	300	—	100	100
1912T / P3	—				300	300	300	—	—	—
1920T / P1	1920-30T / P1	8 x 10	300	150	—	—	120	120	60	60
1920T / P3	—				—	—	120	120	—	—
1922T / P1	1922-30T / P1	8 x 10	300	150	—	—	300	300	100	100
1922T / P3	—				—	—	300	300	—	—

Selection Chart for Steam Service

1900 & 1900-30 P1 & P3 Series
T Orifice - Area: 30.21 Sq. in.



1900/P1 & P3 Flanged Valves
STANDARD MATERIALS - ORIFICE CAPACITIES - STEAM
ASME B & PVC, Section I - (USCS Units)

Capacities based on Set Pressure plus 3%
or 2 psi overpressure, whichever is greater.
Capacities in lbs. per hour of saturated steam.

Set Press. (psig)	Orifice Area (Sq. in.)													
	D 0.1279	E 0.2279	F 0.3568	G 0.5849	H 0.9127	J 1.496	K 2.138	L 3.317	M 4.186	N 5.047	P 7.417	Q 12.85	R 18.6	T 30.21
15	178	316	496	813	1268	2078	2970	4608	5816	7012	10304	17853	25841	41971
20	206	366	574	941	1468	2406	3439	5335	6733	8118	11930	20668	29917	48591
30	262	466	730	1197	1868	3062	4376	6789	8567	10330	15180	26300	38069	61831
40	318	566	887	1453	2268	3718	5313	8243	10402	12542	18431	31932	46220	75071
50	374	666	1043	1710	2668	4373	6250	9696	12237	14754	21682	37563	54372	88311
60	430	765	1199	1966	3068	5029	7187	11150	14071	16965	24932	43195	62524	101551
70	487	866	1357	2225	3472	5691	8133	12618	15924	19199	28215	48883	70757	114923
80	545	969	1518	2489	3884	6366	9098	14116	17814	21478	31563	54684	79153	128560
90	603	1072	1679	2753	4296	7042	10063	15613	19703	23756	34912	60485	87550	142197
100	660	1175	1841	3017	4708	7717	11029	17110	21593	26034	38260	66285	95946	155835
120	776	1380	2163	3545	5532	9068	12959	20105	25372	30591	44956	77886	112738	183109
140	891	1586	2485	4073	6356	10418	14889	23100	29151	35147	51652	89488	129531	210383
160	1007	1791	2807	4601	7180	11769	16819	26094	32931	39704	58348	101089	146324	237658
180	1123	1997	3129	5129	8004	13119	18750	29089	36710	44261	65045	112690	163116	264932
200	1238	2203	3451	5657	8828	14470	20680	32084	40489	48817	71741	124292	179909	292206
220	1354	2408	3773	6186	9652	15821	22610	35078	44268	53374	78437	135893	196701	319481
240	1469	2614	4095	6714	10476	17171	24540	38073	48048	57930	85134	147494	213494	346755
260	1585	2819	4418	7242	11300	18522	26471	41068	51827	62487	91830	159096	230286	374030
280	1700	3025	4740	7770	12124	19873	28401	44062	55606	67043	98526	170697	247079	401304
300	1816	3231	5062	8298	12948	21223	30331	47057	59385	71600	105222	182298	263871	428578
320	1932	3436	5384	8826	13772	22574	32261	50052	63164	76157	111919	193900	—	—
340	2047	3642	5706	9354	14596	23924	34192	53046	66944	80713	118615	205501	—	—
360	2163	3847	6028	9882	15420	25275	36122	56041	70723	85270	125311	217102	—	—
380	2278	4053	6350	10410	16244	26626	38052	59036	74502	89826	132007	228704	—	—
400	2394	4258	6672	10938	17068	27976	39982	62030	78281	94383	138704	240305	—	—
420	2509	4464	6995	11466	17892	29327	41912	65025	82061	98939	145400	251906	—	—
440	2625	4670	7317	11994	18716	30678	43843	68020	85840	103496	152096	263507	—	—
460	2740	4875	7639	12522	19540	32028	45773	71014	89619	108052	158792	275109	—	—
480	2856	5081	7961	13050	20364	33379	47703	74009	93398	112609	165489	286710	—	—
500	2972	5286	8283	13578	21188	34729	49633	77004	97178	117166	172185	298311	—	—
600	3549	6314	9894	16219	25308	41483	59285	91977	116074	139948	205666	356318	—	—
700	4127	7342	11504	18859	29428	48236	68936	106951	134970	162731	239147	—	—	—
800	4705	8370	13115	21499	33548	54989	78587	121924	153866	185514	272629	—	—	—
900	5283	9398	14726	24140	37668	61742	88238	136897	172762	208297	306110	—	—	—
1000	5861	10426	16336	26780	41788	68495	97889	151871	191658	231080	339591	—	—	—
1100	6439	11454	17947	29420	45909	75248	107541	166844	210554	—	—	—	—	—
1200	7016	12482	19558	32061	50029	82001	117192	181817	—	—	—	—	—	—
1300	7594	13510	21168	34701	54149	88755	126843	196791	—	—	—	—	—	—
1400	8172	14538	22779	37341	58269	95508	136494	211764	—	—	—	—	—	—
1500	8750	15566	24389	39982	62389	102261	146146	226737	—	—	—	—	—	—
1520	8865	15771	24712	40510	63213	103611	148076	—	—	—	—	—	—	—
2000	12018	21380	33500	54917	85694	140460	200738	—	—	—	—	—	—	—
2500	15739	27999	43871	71918	112224	183945	—	—	—	—	—	—	—	—
3000	20351	36203	56725	92989	145104	237838	—	—	—	—	—	—	—	—
3100	21465	38185	59831	98081	153049	250862	—	—	—	—	—	—	—	—

NOTES: 1 Relieving capacities indicated are 90% of average capacity in accordance with latest ASME code requirements.
2 For Superheat Correction Factors, refer to "Technical Information" section.