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Affected Publication: API Standard 526, Flanged Steel Pressure-relief Valves, September 2017

Errata 1

Table of Contents: Added the following line:

6 Spring-loaded Pressure-relief Valves “G” Orifice ^f (Effective Orifice Area = 0.503 in.²) 10

Table of Contents: Changed “Effective Area” to “Effective Orifice Area” in the following lines:

8 Spring-loaded Pressure-relief Valves “J” Orifice ^f (Effective Orifice Area = 1.287 in.²) 12
 9 Spring-loaded Pressure-relief Valves “K” Orifice ^f (Effective Orifice Area = 1.838 in.²) 13
 10 Spring-loaded Pressure-relief Valves “L” Orifice ^f (Effective Orifice Area = 2.853 in.²) 14
 11 Spring-loaded Pressure-relief Valves “M” Orifice ^f (Effective Orifice Area = 3.60 in.²) 15
 12 Spring-loaded Pressure-relief Valves “N” Orifice ^f (Effective Orifice Area = 4.34 in.²) 16
 13 Spring-loaded Pressure-relief Valves “P” Orifice ^f (Effective Orifice Area = 6.38 in.²) 17
 14 Spring-loaded Pressure-relief Valves “Q” Orifice ^f (Effective Orifice Area = 11.05 in.²) 18
 15 Spring-loaded Pressure-relief Valves “R” Orifice ^f (Effective Orifice Area = 16.00 in.²) 19
 16 Spring-loaded Pressure-relief Valves “T” Orifice ^f (Effective Orifice Area = 26.00 in.²) 20

Table of Contents: Changed “Limits” to “Limits¹” in the following lines:

B.1 Pressure-temperature Limits¹ to be Used with Table 3 to Table 30 of This Standard 36
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Table 3: The boxed sections below reflect changes made to the table:

Temperature Range Inclusive 801 °F to 1000 °F													
Chrome Molybdenum Steel	1D2	300	150					510	215	290	230	4 1/8	4 1/2
	1D2	600	150					1015	430	290	230	4 1/8	4 1/2
	1 1/2D2	900	300					1525	650	(600)	500	4 1/8	5 1/2
	1 1/2D3	1500	300					2540	1080	(600)	500	4 1/8	5 1/2
	1 1/2D3	2500	300					4230	1800		500	5 1/2	7
Temperature Range Inclusive -450 °F to 1000 °F													
Austenitic Stainless Steel	1D2	150	150	275	275	275	180	80	20	275	230	4 1/8	4 1/2
	1D2 ^c	300	150	(275)	(275)	(275)	(275)	(275)	(275)	275	230	4 1/8	4 1/2
	1D2	300	150	720	720	720	495	420	365	275	230	4 1/8	4 1/2
	1D2	600	150	1440	1440	1440	990	845	725	275	230	4 1/8	4 1/2
	1 1/2D2	900	300	2160	2160	2160	1485	1265	1090	(600)	500	4 1/8	5 1/2
	1 1/2D2	1500	300	3600	3600	3600	2480	2110	1820	(600)	500	4 1/8	5 1/2
	1 1/2D3	2500	300	(4000)	6000	6000	4130	3520	3030	720	500	5 1/2	7
Temperature Range Inclusive -20 °F to 300 °F ^e													
Alloy 20 ^e	1D2	150	150				230	180		230	230	4 1/8	4 1/2
	1D2 ^c	300	150				(230)	(180)		230	230	4 1/8	4 1/2
	1D2	300	150				600	465		230	230	4 1/8	4 1/2
	1D2	600	150				1200	930		230	230	4 1/8	4 1/2
	1 1/2D2	900	300				1800	1395		600	500	4 1/8	5 1/2
	1 1/2D2	1500	300				3000	2330		600	500	4 1/8	5 1/2
	1 1/2D3	2500	300				5000	3880		600	500	5 1/2	7

Table 7: The boxed section below reflects changes made to the table:

Temperature Range Inclusive -20 °F to 900 °F ^d													
Nickel/ Copper Alloy ^e	1 1/2H3	150	150			230	175	80	50	230	230	5 1/8	4 7/8
	1 1/2H3 ^c	300	150			(230)	(230)	(230)	(230)	230	230	5 1/8	4 7/8
	2H3	300	150			600	475	460	275	230	230	5 1/8	4 7/8
	2H3	600	150			1200	945	915	550	230	230	6 1/16	6 3/8
	2H3	900	150			1800	1420	1375	825	230	230	6 1/16	6 3/8

Table 8: The title was changed to the following:

Table 8—Spring-loaded Pressure-relief Valves “J” Orifice ^f
(Effective Orifice Area = 1.287 in.²)

Table 9: The title was changed to the following:

Table 9—Spring-loaded Pressure-relief Valves “K” Orifice ^f
(Effective Orifice Area = 1.838 in.²)

Table 9: The boxed section below reflects changes made to the table:

Temperature Range Inclusive -20 °F to 300 °F ^e													
Alloy 20 ^e	3K4	150	150			230	180			230	150	6 1/8	6 3/8
	3K4 ^c	300	150			(230)	(180)			230	150	6 1/8	6 3/8
	3K4	300	150			600	465			230	150	6 1/8	6 3/8
	3K4	600	150			1200	930			230	200	7 1/4	7 1/8
	3K6	900	150			1800	1395			230	200	7 13/16	8 1/2
	3K6	1500	300			(2220)	(2220)			600	200	7 3/4	8 1/2

Table 10: The title was changed to the following:

Table 10—Spring-loaded Pressure-relief Valves “L” Orifice ^f
(Effective Orifice Area = 2.853 in.²)

Table 10: The boxed section below reflects changes made to the table:

Temperature Range Inclusive -450 °F to 1000 °F													
Austenitic Stainless Steel	3L4	150	150	275	275	275	180	80	20	275	100	6 1/8	6 1/2
	3L4 ^c	300	150	(275)	(275)	(275)	(275)	(275)	(275)	275	100	6 1/8	6 1/2
	4L6	300	150	(535)	720	720	495	420	365	275	170	7 1/16	7 1/8
	4L6	600	150	(535)	(1000)	(1000)	990	845	725	275	170	7 1/16	8
	4L6	900	150	(700)	(1500)	(1500)	1485	1265	1090	275	170	7 3/4	8 3/4

Table 11: The title was changed to the following:

Table 11—Spring-loaded Pressure-relief Valves “M” Orifice ^f
(Effective Orifice Area = 3.60 in.²)

Table 12: The title was changed to the following:

Table 12—Spring-loaded Pressure-relief Valves “N” Orifice ^f
(Effective Orifice Area = 4.34 in.²)

Table 12: The boxed section below reflects changes made to the table:

Temperature Range Inclusive -20 °F to 300 °F ^e													
Alloy 20 ^e	4N6	150	150			230	180			230	80	7 3/4	8 1/4
	4N6 ^c	300	150			(230)	(180)			230	80	7 3/4	8 1/4
	4N6	300	150			600	465			230	160	7 3/4	8 1/4
	4N6	600	150			(1000)	930			230	160	7 3/4	8 3/4
	4N6	900	150			(1000)	(1000)			230	160	7 3/4	8 3/4

Table 13: The title was changed to the following:

Table 13—Spring-loaded Pressure-relief Valves “P” Orifice^f
(Effective Orifice Area = 6.38 in.²)

Table 14: The title was changed to the following:

Table 14—Spring-loaded Pressure-relief Valves “Q” Orifice^f
(Effective Orifice Area = 11.05 in.²)

Table 15: The title was changed to the following:

Table 15—Spring-loaded Pressure-relief Valves “R” Orifice^f
(Effective Orifice Area = 16.00 in.²)

Table 15: The boxed sections below reflects changes made to the table:

Body/ Bonnet	Inlet by Orifice by Outlet	I N L E T	O U T L E T	Conventional and Balanced Bellows Valves						(psig)		(in.)	
				-450 °F to -76 °F	-75 °F to -21 °F	-20 °F to 100 °F	450 °F	800 °F	1000 °F	Flange Rating Limit ^a	Bellows Rating Limit ^a	I N L E T	O U T L E T
										100 °F	100 °F		
Temperature Range Inclusive -20 °F to 900 °F ^d													
Nickel/ Copper Alloy ^a	6R8	150	150			(100)	(100)	80	50	(60)	60	9 7/16	9 1/2
	6R8 ^c	300	150			(100)	(100)	(100)	(100)	(60)	60	9 7/16	9 1/2
	6R 10	300	150			(230)	(230)	(230)	(230)	(100)	100	9 7/16	10 1/2
	6R 10	600	150			(300)	(300)	(300)	(300)	(100)	100	9 7/16	10 1/2

Table 16: The title was changed to the following:

Table 16—Spring-loaded Pressure-relief Valves “T” Orifice^f
(Effective Orifice Area = 26.00 in.²)

Figure B.1: The title was changed to the following:

**Figure B.1—Pressure-temperature Limits¹ to be Used with Table 3 to Table 30
of This Standard**

Figure B.2: The title was changed to the following:

Figure B.2—Pressure–temperature Limits¹ to be Used with Table 3 to Table 30 of This Standard

Figure B.3: The title was changed to the following:

Figure B.3—Pressure–temperature Limits¹ to be Used with Table 3 to Table 30 of This Standard

Figure B.4: The title was changed to the following:

Figure B.4—Pressure–temperature Limits¹ to be Used with Table 3 to Table 30 of This Standard

Figure B.5: The title was changed to the following:

Figure B.5—Pressure–temperature Limits¹ to be Used with Table 3 to Table 30 of This Standard

Flanged Steel Pressure-relief Valves

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