Rec'd Nov 8, 1958

PLAINTIFF'S EXHIBIT

CRA-60

CRANE

NET PRICE SCHEDULE SP2

SEPTEMBER 12, 1958

SPECIAL SERVICE VALVES
AIR VENT, BACK PRESSURE, BLOW-OFF, DIAPHRAGM, PULP STOCK, RELIEF, SAFETY, STOP-CHECK, WATER DRAIN
PRESSURE REGULATORS, TRAPS, SEPARATORS
EXPANSION AND SWING JOINTS
GAUGES, SIPHONS, TRY COCKS
DRIP PAN ELBOWS, DRIP POCKETS
ACCESSORIES
BOLTING ON COMPANION FLANGES
END FLANGE PROTECTORS

CATALOG NUMBER 53

This Net Price Schedule cancels
Net Price Schedule SP1, June 30, 1958.

CRANE CO.

836 S. Michigan Avenue Chicago 5, Illinois

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Printed in U.S.A.

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CRANE

ACCESSORIES FOR BRASS AND IRON COCKS
VALVE ACCESSORIES AND PARTS

Catalog Page	Figure No.	
67	850	Hydrant Clamps — Discontinued
67	854	Wood Rod Coupling — Discontinued
67	856	Street Washer Keys — Discontinued
67	860	Hydrant Handle — Discontinued

72 — Malleable Iron Wrenches for Brass, Bronze and Iron Cocks:

Square Head:

Number:	1-S	2-S	3-S	4-S	5-S	6-S	6½-S	7-S	7½-S	8-S	9-S
	.16	.17	.17	.25	.30	.40	.47	.61	.76	.90	1.45

Number:	10-S	11-S	12-S
	2.25	3.05	8.44

Flat Head:

Number:	1-F	2-F	3-F	4-F	5-F	6-F	7-F	8-F	23-F	24-F	25-F
	.16	.17	.17	.25	.30	.40	.61	.90	.82	1.06	1.45

Square Head, for Nos. 319 and 339 Cocks only:

Number:	1-M	2-M	3-M	4-M	5-M	6-M
	.55	.67	.78	1.01	1.35	2.70

133 — Composition Discs — Net per 100 pieces:

Valve Size:	⅛"	¼"	⅜"	½"	¾"	1"	1¼"	1½"	2"	2½"	3"
No. 1 Cranite	17.13	17.13	17.30	17.61	21.53	22.50	30.83	38.65	55.29	72.41	175.16
No. 4 Cranite	48.92	48.92	55.78	55.78	63.60	80.24	116.46	161.48	248.57	326.85	460.93
No. 6	17.13	17.13	17.30	17.61	21.53	22.50	30.83	38.65	55.29	72.41	175.16
No. 10	6.84	6.84	7.82	7.82	10.28	13.21	18.60	23.96	37.19		
No. 12	6.84	6.84	7.82	7.82	10.28	13.21	18.60	23.96	37.19		

Valve Size:	3½"	4"	5"	6"
No. 1 Cranite	230.96	237.79	319.02	362.08
No. 6	230.96	237.79	319.02	362.08

134 & 135 — Wheels and Handles for Valves:

Wheels:	2"	2¼"	2½"	3"	3½"	4"	4½"	5"	5½"
Style A:									
Square Hole			.22	.30	.42	.61		1.14	
Threaded Hole			.43	.49	.74	1.02		1.72	
Style B	.30	.38	.43	.49		1.02			
Style D					.48		.79		1.45

	6"	7"	8"	9"	10"	12"	14"	16"	18"
Style D	1.72	2.15	2.69	3.40	3.62	4.73	6.79	13.74	15.11
Style E:									
Hexagon Hole	1.72	2.15	2.69	3.40	3.62	4.73	6.79	13.74	15.11
Threaded Hole	2.00	2.69							

	20"	22"	24"	27"	30"	36"	42"
Style D	20.50	24.81	42.07	45.32	62.59	172.61	215.78
Style E, Hexagon Hole	20.50	24.81	42.07	45.32	62.59	172.61	215.78

X—Discontinued

ACCESSORIES FOR BRASS AND IRON COCKS
VALVE ACCESSORIES AND PARTS
– Continued –

Catalog Page 134 & 135 — Figure No.

Wheels and Handles for Valves, Continued:

	1½"	1¾"	2 1/16"	2 9/16"	2¾"	3 1/16"	3 5/8"	4 1/16"	4¾"	5 3/8"
Wheels:										
Style F	.14	.14	.17	.22	.25	.30	.39	.47	.61	.79

	1 5/8"	2"	2¼"	2½"	2¾"	3"
Style L	.22	.24	.25	.29	.35	.43

	3 5/16"	3 5/8"	3 7/8"	4 3/8"	4 13/16"	5¾"	6 11/16"
Style M	.86	1.08	1.30	1.72	2.04	2.37	4.64

	3 1/8"	3 5/16"	3½"	3 7/8"	4¼"	4 5/8"	5"	5¾"
Handles:								
Style K	.35	.42	.43	.45	.49	.53	.65	.75

	2 9/16"	3 9/16"	4 1/8"	4½"	4¾"	6"	7"
Style S	.16	.22	.42	.47	.49	.67	.75

	3"	3¾"	4¾"	6"	7"
Style X	.43	.53	.67	1.08	1.19

Catalog Page 136

Chain Wheels and Chain:

	2 3/8"	3"	4"	5"	7½"	10"	14"	18"	24"	30"
Chain Wheel Only	4.04	4.32	4.58	5.11	9.17	13.48	19.43	28.05	48.54	102.48
Chain Wheel and Guide	18.87	19.15	19.43	21.03	25.35	30.73	37.77	47.46	70.13	134.86

	Per Foot	Each
Chain for Chain Wheel	.48	
Connecting Ends of Chain, Including Labor		.69

Catalog Page 137

Keys for Lock Shield:

No. 197	No. 198	No. 199
1.31	1.56	2.10

PULP STOCK, STOP-CHECK, BLOW-OFF AND BACK PRESSURE VALVES

Cir. AD-2156 — Figure No.

Pulp Stock Valves, Flanged:

		4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
	Iron Body, Brass Trimmed:										
1425	Outside Screw and Yoke	168.05	206.57	281.62	366.58	464.92	585.62	740.96	1000.06	1572.85	2227.43
1429	Quick-Opening	188.99	232.93	317.39	411.27	518.57	657.14	822.54			
	3% Nickel Iron Body, Exelloy Disc:										
1427	Outside Screw and Yoke	185.28	228.55	308.46	395.56	509.62	639.27	822.12	1096.16	1727.40	2466.36
1431	Quick-Opening	202.51	249.90	331.78	430.88	542.91	685.10	861.76			
	3% Nickel Iron Body, 18-8SMo Disc:										
1447	Unlined	221.64	269.46	363.51	474.31	617.73	780.05	992.03	1316.65	2074.16	2939.88
1448	Rubber Lined	459.91	568.56	761.16	981.23	1237.97	1568.12	2081.60	2671.98	3685.46	5297.86
1450	18-8SMo Body and Disc	255.20	356.46	487.34	589.71	825.63	1053.59	1440.77			

Catalog Page 303

250-Pound Ferrosteel Stop-Check Valves, Flanged:

		2½"	3"	4"	5"	6"	8"	10"
28E	Straight-Way Y-Pattern	148.54	168.08	201.18	272.74	325.20	559.47	929.46
30E	Angle, Y-Pattern	148.54	165.25	201.18	268.21	323.66	562.12	920.78

X—Discontinued

CRANE

PULP STOCK, STOP-CHECK, BLOW-OFF, AND BACK PRESSURE VALVES – Continued –

Catalog Page 308 — 250-Pound Ferrosteel Blow-Off Valves:

Figure No.		1½"	2"	2½"
390	Angle Pattern, Screwed	41.41	48.04	59.63
391	Angle Pattern, Flanged	44.96	52.79	65.50
393	Y-Pattern, Screwed	41.41	48.04	59.63
393½	Y-Pattern, Flanged	45.39	52.79	65.50

Replacement Parts—Prices on application.

Catalog Page 310 — Iron Body Back Pressure Valves:

Figure No.		2"	2½"	3"	4"	5"	6"	8"
384	Screwed	43.55	51.07	59.14				
385	Flanged				111.45	158.36	184.96	319.13

Catalog Page 310 — Figure No. 4387 & 4389 — Iron Body Relief and Back Pressure Valves, Spring Loaded — Discontinued

SAFETY AND RELIEF VALVES AND DRIP PAN ELBOWS

Catalog Page 320 & 321 — Brass Pop Safety Valves:

Figure No.		⅜"	½"	¾"	1"	1¼"	1½"	2"	2½"
	For Saturated Steam:								
2500	Top Outlet	14.36	14.36	15.83	18.54	21.54	26.64	36.74	56.68
2501	Side Outlet	15.32	15.32	17.01	20.40	24.95	30.62	43.07	65.73
	For Air and Gas:								
2550	Top Outlet	17.00	17.00	18.54	22.04	25.62	30.93	42.49	62.94
2551	Side Outlet	17.96	17.96	19.72	23.90	29.03	34.91	48.83	69.89

Catalog Page 322 & 323 — Low Pressure Pop Safety Valves for Steam Heating Boilers:

Figure No.		¾"	1"	1¼"	1½"	2"	2½"	3"
	Iron Body:							
2567	Top Discharge		6.78	7.98	9.57	12.77		
2568	Side Outlet	5.99	6.78	7.98	9.57	12.77	21.54	28.33
2565	Brass Body	Discontinued						

Catalog Page 323 — Figure No. 1102 — Iron Body Pop Safety Valve for Air and Gas:

2½"	3"	4"
162.50	187.77	270.77

Catalog Page 325 — Figure No. 40 — Brass Body Lever and Weight Safety Valves:

	¼"	⅜"	½"	¾"	1"
With Lever and Weight:					
For 41 to 100 Pounds	10.70	10.80	11.70	14.01	15.30
For 15 to 40 Pounds	10.70	10.80	11.57	13.90	15.05
Without Lever and Weight	7.67	7.79	9.49	11.57	12.36

Catalog Page 325 — Figure No. 376 — Iron Body Lever and Weight Safety Valves:

	1¼"	1½"	2"	2½"	3"	4"
With Lever and Weight:						
For 31 to 100 Pounds	17.66	20.41	27.46	44.08	57.26	95.71
For 15 to 30 Pounds	17.59	18.60	23.27	34.19	43.34	77.42
Without Lever and Weight	11.50	13.48	16.98	26.26	33.27	53.38

Catalog Page 325 — Figure No. 1100 — Cast Iron Drip Pan Elbow:

2"	2½"	3"	3½"	4"	5"	6"
9.70	10.59	11.91	13.68	15.88	19.87	28.70

X—Discontinued

CRANE

SAFETY AND RELIEF VALVES AND DRIP PAN ELBOWS – Continued –

Catalog Page	Figure No.									
326		Brass Relief Valves:	3/8"	1/2"	3/4"	1"				
	1131	For Hot Water		7.93	9.63	13.94				
	A1131	For Air	9.82	10.92	13.10					
	1133	For Steam		7.93	9.63					
	1133½	For Cold Water		7.93	9.63					
327 to 330		Brass Relief Valves:	3/8"	1/2"	3/4"	1"	1¼"	1½"	2"	2½"	3"
	1155V	For Vacuum		18.04	18.04	19.69	24.63	32.55			
	2606	For Water Heaters		15.83	18.68	22.53	27.37	33.83	49.71		
	2601	For Steam	14.16	14.16	17.01	20.40	24.95	30.62	45.35		
		For Water, or Oil:									
	2602	Male Inlet, With Wheel	Discontinued								
	2604	Female Inlet, With Cap	Discontinued								
		For Liquid Service:									
Not Illus.	2611	Male Inlet, With Cap	12.71	12.71	15.11	19.92	23.77	29.88	43.76		
Not Illus.	2612	Male Inlet, With Wheel	12.53	12.53	14.73	19.27	22.66	28.34	41.95		
Not Illus.	2614	Female Inlet, With Cap		12.71	15.11	19.92	23.77	29.88	43.76	60.27	102.60
		For Air or Gas:									
	2651	250-Pound	16.07	16.07	17.44	21.13	24.33	30.78	42.32		
	2668	300-Pound	17.34	17.34	19.10	23.17	26.53	33.54	46.81		
	2674	500-Pound		18.83	20.49	24.97	28.67	36.28	50.03		
		Hydraulic:									
	1128	For 300 to 600 Pounds		28.90	31.05	37.52	43.12	53.90	75.45		
	1130	For Pressures as Listed		66.64	66.64	71.68	110.84	117.86	169.75		

Cir. AD-2311		Brass Pressure-Temperature Relief Valves:	½" Male Inlet ½" Female Outlet	¾" Male Inlet ½" Female Outlet
	1143	Fusible Plug Type, Non-Adjustable, set at 50, 75, 100, or 125 psi	1.82	2.10
	1147	Thermal Element Type, Non-Adjustable, set at 50, 75, 100, or 125 psi		4.81
	1163	Fusible Plug Type, Adjustable, set at 125 psi	2.32	2.48

Cir. AD-2311	1169	Brass Pressure Relief Valve, Spring-Loaded Disc, Non-Adjustable, set at 50, 75, 100, or 125 psi:	½" Male Inlet ½" Female Outlet	¾" Male Inlet ½" Female Outlet
			1.76	1.98

331	1118	All-Iron Relief Valve, For Ammonia, Air, or Gas:	½"	¾"	1"	1¼"	1½"	2"
			41.14	43.41	52.05	61.97	90.45	110.47

331 & 332		Iron Body Relief Valves:	2"	2½"	3"	4"
	1123	Inside Spring, For Water or Oil		91.30	107.52	160.55
		Outside Spring, For Steam, Gas, Hot Water, or Oil:				
	1113	Flanged Inlet, Flanged Outlet				376.28
	1114	Flanged Inlet, Screwed Outlet	159.90	213.54	253.98	

333	1113LX	Carbon Cast Steel Outside Spring Relief Valve:	2"	2½"	3"	4"
			226.86	277.11	336.22	529.83

X—Discontinued

Catalog Page	Figure No.	CRANE

PRESSURE REGULATORS, AIR VENTS, STEAM TRAPS, EXPANSION JOINTS, SEPARATORS, AND DRIP POCKETS

337 — 960 — Bronze Pressure Regulator:

½″	¾″	1″	1¼″	1½″	2″
82.19	91.42	102.50	127.43	157.90	198.54

343 — Air Vent or Water Drain Valves, Ball Float Type:

Number:	976	977
	24.53	31.37

346 — Inverted Open Float Steam Traps:

Number:	9810	9811	9812	9813	9814	9820	9821
	12.27	21.98	21.98	35.04	52.29	34.10	59.12

350 — 125-Pound Expansion Joints:

	1½″	2″	2½″	3″	3½″	4″	5″	6″	8″	10″	12″
Iron Body:											
Screwed:											
398 Std. Traverse	20.27	21.79	25.32	32.92	46.11	53.70					
400 6-inch Traverse	26.84	29.38	34.44	47.10		75.98					
Flanged:											
401 Std. Traverse	27.35	29.88	35.47	45.08	62.82	72.43	94.22	109.41	136.76	187.41	273.53
403 6-inch Traverse	33.94	37.47	44.57	59.26		94.72	118.53	139.81			

	½″	¾″	1″	1¼″	1½″	2″	2½″	3″
Brass, Screwed:								
404 Standard Traverse	4.06	5.97	7.06	9.23	11.40	20.11	32.59	59.76
406 6-inch Traverse		11.95	13.58	16.83	20.11	30.98		

354 — 07, 011 & 013 — Steam and Oil Separators, Flanged — Discontinued

355 — 420 & 422E — Cast Iron Drip Pockets, Flanged — Discontinued

356 — Y-Pattern Sediment Separators:

	¼″	⅜″	½″	¾″	1″	1¼″	1½″	2″	2½″	3″
Iron Body:										
988½ 125-Pound Screwed	3.70	3.70	4.25	4.89	5.91	7.39	9.42	18.02	22.17	29.10
990½ 250-Pound Screwed			4.80	5.54	6.65	8.32	10.44	19.87		

	2″	2½″	3″	4″	5″	6″	8″	10″	12″
989½ 125-Pound Flanged	25.86	31.41	40.65	81.75	112.69	164.42	224.46	420.28	On App.
991½ 250-Pound Flanged	30.03	36.04	47.11	94.22	141.33	205.99			

	½″	¾″	1″	1¼″
Steel:				
994D 600-Pound Screwed	15.86	22.91	29.06	38.77

357 — 986 & 988 — Iron Body Sediment Separators — Discontinued

X—Discontinued

CRANE

WATER GAUGES AND ACCESSORIES, TRY COCKS, AND SWING JOINTS

Catalog Page 360 — Brass Water Gauges:

Figure No.		Each	Add For Each Inch Up To 36"
610	½-inch, 175-Pound, 14" or Shorter Centers	14.26	.09
610	¾-inch, 175-Pound, 18" or Shorter Centers	21.13	.09
613	¾-inch, 250-Pound, 18" or Shorter Centers	28.51	.12
615	¾-inch, 250-Pound, 18" or Shorter Centers	47.51	.12
616	½-inch, 250-Pound, 14" or Shorter Centers	16.88	.09
624	½-inch, 100-Pound, 14" or Shorter Centers	7.81	.09
625	½-inch, 100-Pound, 8" or Shorter Centers	7.81	.09
623	½-inch, 13½" Centers	Prices on Application	

Catalog Page 361 — Siphons for Steam Gauges:

	Each
Straight Pattern:	
Brass	1.81
Steel	.98
Angle Pattern, Steel	.98

Catalog Page 361 — Extra Brass Guards for Water Gauges:

Length:	9"	11"	13"	14"	15"	17"	19"	21"
	.30	.30	.30	.34	.38	.42	.46	.50

Length:	23"	25"	27"	29"	31"	33"	35"
	.56	.63	.69	.76	.84	.92	1.12

Catalog Page 361 — Brass Try Cocks:

Figure No.		⅜"	½"	¾"
730	125-Pound	3.27	3.38	
731	Low Pressure	2.74		
734	250-Pound	3.69	4.02	4.44

Catalog Page 361 — Figure No. 300 — Brass Swing Joints:

¼"	⅜"	½"	¾"	1"
4.58	4.80	5.62	8.54	12.50

Catalog Page 413 — Figure No. 1586½ — All-Iron Liquid Gauge:

	½" or ¾"	For Each Inch Over 15-inches up to 24-inches, Add:
Complete, with 15-inch Centers, Each	41.80	.61
Parts:		
Upper or Lower Valve Only, Each:	19.20	
Gauge Glass Only ⅝-inch O. D., 15-inch Centers, Each	.57	
Guard Only, 15-inch Centers, Each	2.71	
Rubber Gauge Glass Gaskets Only, Each	.04	
Flat Steel Gauge Glass Washers Only, Each	.09	
Steel Stuffing Box Washers Only, Each	.09	

Catalog Page | Figure No.

CRANE

DIAPHRAGM VALVES—WHEEL OPERATED

Cir. AD-1942

Figure No.	Y-Pattern Diaphragm Valves:	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"	6"
	Wheel Operated Valves:										
	With Neoprene, Buna N (SB), or Natural Rubber (RN) Diaphragm and Disc Insert:										
1600, 1600-SB, 1600-RN	Brass Body, Screwed	15.23	16.55	19.22	23.95	33.61	51.43				
1610, 1610-SB, 1610-RN	Iron Body, Screwed	4.43	5.47	6.35	10.12	17.07	22.83				
1611, 1611-SB, 1611-RN	Iron Body, Flanged	8.13	9.17	12.78	16.71	22.91	31.04	43.60	52.47	79.08	181.26
1620, 1620-SB, 1620-RN	Aluminum Body, Screwed	13.89	14.48	16.55	20.46	28.31	38.43				
1621, 1621-SB, 1621-RN	Aluminum Body, Flanged	20.25	21.43	24.68	29.25	39.15	52.16	72.05	85.20	141.89	252.72
1630, 1630-SB, 1630-RN	18-8 Mo Body, Screwed	17.44	18.03	26.01	32.00	45.89	71.16				
1631, 1631-SB, 1631-RN	18-8 Mo Body, Flanged	32.45	33.55	45.68	53.94	69.70	101.00	129.17	184.74	305.56	529.08
	With Kel-F Diaphragm and Disc Insert:										
1600-KF	Brass Body, Screwed	30.37	33.47	41.38	50.77	65.40	86.23				
1610-KF	Iron Body, Screwed	19.58	22.39	28.52	37.09	48.84	57.63				
1611-KF	Iron Body, Flanged	23.28	26.08	34.95	43.67	54.67	65.85	85.34	110.10	154.08	288.05
1620-KF	Aluminum Body, Screwed	29.05	31.41	38.73	47.43	60.08	73.23				
1621-KF	Aluminum Body, Flanged	35.40	38.36	46.85	56.23	70.94	86.97	113.80	142.84	216.89	357.28
1630-KF	18-8 Mo Body, Screwed	32.59	34.95	48.17	58.98	77.67	105.97				
1631-KF	18-8 Mo Body, Flanged	47.59	50.47	67.85	80.92	101.46	135.82	170.92	242.37	380.55	633.64
	Iron Body, Neoprene Diaphragm and Disc Insert:										
	For Vacuum:										
1650	Screwed	4.43	5.47	6.35	10.12	17.07	22.83				
1651	Flanged	8.13	9.17	12.78	16.71	22.91	31.04	43.60	52.47	79.08	181.26
	For Oxygen or Acetylene:										
1652	Screwed	4.80	5.84	6.72	10.56	17.51	23.28				
	Iron Body — Lined with Neoprene or Hard Natural Rubber (RN):										
1615, 1615-RN	Flanged	33.03	34.14	37.92	43.60	48.03	59.34	82.17	108.63	151.48	302.97

X—Discontinued

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CRANE

DIAPHRAGM VALVES—SLIDING STEM

Cir. AD-1942

Figure No.	Y-Pattern Diaphragm Valves:	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"	6"
	Sliding Stem Valves:										
	With Neoprene, Buna N (SB), or Natural Rubber (RN) Diaphragm and Disc Insert:										
5600, 5600-SB, 5600-RN	Brass Body, Screwed	27.49	30.00	35.40	39.97	53.21	73.75				
5610, 5610-SB, 5610-RN	Iron Body, Screwed	16.71	18.91	22.53	26.30	36.65	45.14				
5611, 5611-SB, 5611-RN	Iron Body, Flanged	20.40	22.61	28.96	32.89	42.49	53.35	71.83	82.91	116.75	216.36
5620, 5620-SB, 5620-RN	Aluminum Body, Screwed	26.17	27.93	32.75	36.65	47.89	60.74				
5621, 5621-SB, 5621-RN	Aluminum Body, Flanged	32.51	34.88	40.87	45.44	58.75	74.50	100.26	115.64	179.56	287.83
5630, 5630-SB, 5630-RN	18-8 Mo Body, Screwed	29.70	31.48	42.19	48.17	65.47	93.47				
5631, 5631-SB, 5631-RN	18-8 Mo Body, Flanged	44.70	46.99	61.85	70.14	89.27	123.33	157.38	215.18	343.25	564.19
	With Kel-F Diaphragm and Disc Insert:										
5600-KF	Brass Body, Screwed	42.63	46.92	57.57	66.95	84.98	108.55				
5610-KF	Iron Body, Screwed	31.85	35.85	44.70	53.28	68.43	79.94				
5611-KF	Iron Body, Flanged	35.54	39.53	51.12	59.86	74.26	88.17	113.57	140.54	191.76	320.93
5620-KF	Aluminum Body, Screwed	41.31	44.85	54.92	63.62	79.65	95.56				
5621-KF	Aluminum Body, Flanged	47.67	51.81	63.03	72.41	90.52	109.29	142.02	173.29	254.57	392.39
5630-KF	18-8 Mo Body, Screwed	44.85	48.39	64.35	75.14	97.25	128.27				
5631-KF	18-8 Mo Body, Flanged	59.86	63.91	84.01	97.10	121.04	158.13	199.15	272.81	418.25	668.75
5615, 5615-RN	Iron Body — Lined with Neoprene or Hard Natural Rubber (RN), Flanged	45.30	47.59	54.08	59.78	67.61	81.65	110.40	139.06	189.17	338.07

X—Discontinued *Change in Price

Bolting On Companion Flanges

The following table indicates the proper schedule of prices to be used when determining the labor charges for bolting flanges to various pressure classes of valves and fittings

Size Inches	Pressure Class					Size Inches
	25 and 125-Pound Iron 150-Pound Steel 150-Pound Brass	175 and 250-Pound Ferrosteel 400 and 500-Pound W.O.G. Ferrosteel 300 and 400-Pound Steel 250 and 300-Pound Brass and Bronze	800-Pound Hydraulic Ferrosteel 800-Pound W.O.G. Ferrosteel 600-Pound Steel	900-Pound Steel	1500-Pound Steel	
½	A	A	A		A	½
¾						¾
1						1
1¼						1¼
1½						1½
2		B	B		B	2
2½						2½
3				B		3
3½	B					3½
4						4
5						5
6		C	C	C	C	6
8						8
10	C	D	D	D		10
12			E	E	D	12
14		E				14
16	D					16
18		F	F			18
20	E					20
24						24

Schedule of Net Prices Covering Labor Only For Bolting Companion Flanges to Valves and Fittings Not Including Bolts and Gaskets

	Net Prices, Each For Valve or Fitting		
	With Two End Flanges	With Three End Flanges	With Four End Flanges
Schedule A	1.13	1.79	2.44
Schedule B	1.79	2.51	3.39
Schedule C	2.44	3.39	4.38
Schedule D	3.00	4.22	5.59
Schedule E	3.64	5.10	6.89
Schedule F	4.22	5.90	8.10

Protectors for Ends of Valves, Fittings, and Flanges

The following schedule, subject to change without notice, is Crane standard practice for protecting the ends of valves, fittings, and flanges.

Screwed End Valves — Not Fabricated

The following lines are furnished with protectors as outlined below:

All screwed valves that are regularly or specially air tested.

All screwed cast and forged steel valves.

Tin plugs for female ends, sizes 4" and smaller.

Sheet rubber discs for female ends, sizes larger than 4".

Sheet iron bands, half couplings, or regular thread protectors (as conditions warrant) for male ends, all sizes.

No charge is made for protectors on valves mentioned above.

Ammonia Valves, Flanged Fittings, and Flanges

Screwed and flanged ammonia valves, being regularly air tested, are furnished with tin plug, rubber disc, or wooden protectors.

Flanged ammonia fittings are furnished with wooden protectors.

No charge is made for these protectors.

Ammonia flanges are not furnished with protectors.

Flanged End Valves, Flanged Fittings, and Companion Flanges — Not Fabricated

The following lines are furnished with protectors as outlined below:

All flanged valves that are regularly or specially air tested.

All flanged cast and forged steel valves.

All flanged steel fittings.

All steel flanges.

Wood protectors for general use and for regular Cranelap faces.

Sheet steel plates for export use.

Cast steel protectors for special Cranelap faces (male, female, tongue, groove, or ring joint).

On the products mentioned above—

(a) No charge is made for the wood protectors.

(b) No charge is made for the sheet steel plates on export shipments.

(c) When cast steel protectors are furnished for special Cranelap faces, they are charged extra. However, credit will be allowed for these protectors, if and when returned after having received approval for so doing.

Fabricated Piping, Bends, Etc.

All fabricated piping and bends are furnished with protectors on screwed as well as flanged ends as outlined in the foregoing schedules.

No direct extra charges are made for protectors since they are included in the quoted prices on fabricated jobs. However, credit will be allowed on steel and wooden flange protectors, if and when returned to us after having received approval for so doing.

Flange Protectors on Regular Lines of Iron or Ferrosteel Valves and Fittings

When possible to ship valves and fittings with companion flanges bolted on, or to ship flanges bolted together, there is no need for further protection except that a cardboard will be inserted between the end flanges of valves and fittings and the companion flange.

When cast iron or ferrosteel flanged valves and fittings other than as noted on this page are shipped with end flanges protected by wooden flange protectors, an extra charge, per the following schedule, will be made. However, credit will be allowed for these protectors, if and when returned after having received approval for so doing.

Size Inches	Net Prices, Each — Valves and Fittings All Pressure Classes up to 250-Pound (Including 800-Pound Hydraulic)		
	With Two End Flanges	With Three End Flanges	With Four End Flanges
1	1.22	1.70	2.19
1¼	1.22	1.70	2.19
1½	1.22	1.70	2.19
2	1.22	1.70	2.19
2½	1.22	1.70	2.19
3	1.53	2.10	2.85
3½	1.53	2.10	2.85
4	1.53	2.10	2.85
5	1.53	2.10	2.85
6	1.53	2.10	2.85
8	1.70	2.51	3.32
10	1.94	2.92	3.89
12	1.94	2.92	3.89
14	2.19	3.32	4.45
16	2.51	3.73	4.95
18	2.51	3.73	4.95
20	2.85	4.14	5.51
24	2.85	4.14	5.51