Pressure-Seal Bonnet Valves

Gate.....600 to 2500-Pound
Globe & Angle.....900 to 2500-Pound
Check & Stop-Check..900 & 1500-Pound

CATALOG NO. 60
PRICE SCHEDULE 71-PSV-2
FEBRUARY 1, 1971

Supersedes
Price Schedule 71-PSV-1
dated January 1, 1971

PLAINTIFF'S EXHIBIT

CRA-67

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We reserve the right to institute changes in materials, designs, and specifications without notice, in keeping with our policy of continuing product improvement.

Prices subject to change without notice.

CRANE ®

VALVES • PUMPS • FITTINGS • WATER TREATMENT • METERS • CONTROLS • PLUMBING • HEATING

CRANE CO • 4100 SOUTH KEDZIE AVENUE, CHICAGO, ILLINOIS 60632

CRANE CAST CARBON STEEL PRESSURE-SEAL BONNET VALVES

(Refer to next page for Extra Charges for Optional Features)

Prices, Each — 2

No. 60 Catalog Page	Valve Catalog No.	DESCRIPTION	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14x12x14"	14"	16"	18x16x18"	18"	20"	24"
		GATE																			
166	676 U	600# Flanged	...	...	...	...	$ 925	$ 1121	$1653	$ 2655	$ 3236	$ 4930	$ 7088	$ 9169	POA	...	...	...	...	...	...
	776 U	600# Butt-Welding	...	...	...	...	814	1037	1527	2438	2970	4525	6492	8405	POA	$13636	$16843	POA	$21095	$27034	$42429
	783 U	900# Butt-Welding	...	...	...	...	...	1541	2059	3461	4203	6235	9876	12747	POA	19050	26200	POA	35047	...	...
	7811 U	1500# Socket-Welding	$560	$ 631	$ 728	$ 911	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	787 U	1500# Butt-Welding	694	771	869	1135	1554	2046	2606	4398	4972	8293	12298	16388	POA	23869	35019	POA	45140	59139	...
	797 U	2500# Butt-Welding	...	...	...	...	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	...
		GLOBE																			
(New)	7183 U	900# Butt-Welding	...	...	...	...	...	1660	2236	3750	4574	6738	10689	13771	POA	...	...	...	...	...	...
169	7852 U	1500# Socket-Welding	361	432	491	620	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
169	7189 U	1500# Butt-Welding	...	...	...	1169	1672	2224	2828	4754	5394	9968	13299	17722	POA	...	...	...	...	...	...
(New)	7191 U	2500# Butt-Welding	...	...	...	...	POA	POA	POA	...	POA	...	...	...	...	...	...	...	...	...	...
		ANGLE																			
(New)	7185 U	900# Butt-Welding	...	...	...	...	...	...	2684	4500	5489	8085	12826	16525	POA	...	...	...	...	...	...
169	7853 U	1500# Socket-Welding	433	519	589	745	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(New)	7190 U	1500# Butt-Welding	...	...	...	...	2006	2669	3394	5705	6474	11961	15959	21266	POA	...	...	...	...	...	...
(New)	7193 U	2500# Butt-Welding	...	...	...	...	POA	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		STOP-CHECK, GLOBE Y-PATTERN																			
171	7186 U	900# Butt-Welding	...	...	...	...	...	...	...	...	5085	7305	11383	14638	POA	...	...	...	...	...	...
	7192 U	1500# Butt-Welding	...	...	...	...	...	...	...	...	...	10467	13990	18586	POA	...	...	...	...	...	...
		STOP-CHECK, ANGLE PATTERN																			
171	7188 U	900# Butt-Welding	...	...	...	...	...	...	...	...	5085	7305	11383	14638	POA	...	...	...	...	...	...
	7194 U	1500# Butt-Welding	...	...	...	...	...	...	..	...	...	10467	13990	18586	POA	...	...	...	...	...	...
		LIFT CHECK																			
175	7140 U	900# Butt-Welding	...	...	...	...	...	1487	2021	2597	3303	4675	6461	8864	...	...	...	...	...	...	...
	7150 U	1500# Butt-Welding	...	...	...	...	1181	1553	2176	3106	4269	6119	8718	12031	...	...	...	...	...	...	...

NOTE: Prices shown for gate, globe, and angle valves are based on the valves having a conventional type handwheel. Valves having geared, motor, or cylinder operation are priced on request.

Important Notes: All valves priced above are made of Crane Cast Carbon Steel (ASTM A 216, Grade WCB). Extra charges for special materials are shown on the next page.

Catalog number suffix indicates seating surfaces (trim), body, bonnet, and cap materials:

U —Stellite trim and Crane Carbon Steel (no numerical suffix).....priced above
U7—Stellite trim and Crane No. 7 Chromium-Molybdenum Alloy Steel.....priced on page 3
U9—Stellite trim and Crane No. 9 Chromium-Molybdenum Alloy Steel.....priced on page 3

CRANE CAST STEEL PRESSURE-SEAL BONNET VALVES—EXTRAS FOR OPTIONAL FEATURES

No. 60 Catalog Page	OPTIONAL FEATURES*	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14x12x14"	14"	16"	18x16x18"	18"	20"	24"
	#7 Steel (ASTM A217, Grade WC6):																			
	For 600-Pound Valves.....ADD	...	...	...	...	$ 34	$ 53	$ 79	$ 156	$ 198	$ 333	$ 517	$ 689	POA	$ 919	$ 1055	POA	$ 1434	$ 1720	$ 3156
	For 900 " " .....ADD	...	...	...	...	...	53	79	156	198	364	573	904	POA	1090	1249	POA	1720	...	...
	For 1500 " " .....ADD	$ 31	$ 31	$ 31	$ 37	37	66	100	174	237	385	732	1136	POA	1497	2151	POA	2583	4732	...
	For 2500 " " .....ADD	...	...	...	...	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	...	...
	#9 Steel (ASTM A217, Grade WC9):																			
	For 900-Pound Valves.....ADD	...	...	...	...	...	85	127	252	314	584	919	1449	POA	1750	2080	POA	2869	...	...
	For 1500 " " .....ADD	57	57	57	61	61	108	160	281	378	640	1176	1818	POA	2396	3156	POA	4303	5809	...
	For 2500 " " .....ADD	...	...	...	...	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	...
	MAGNETIC PARTICLE INSPECTION																			
	SP-53 All Pressure Classes.....ADD					POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
	RADIOGRAPHIC INSPECTION																			
	SP-54 All Pressure Classes.....ADD					POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
	100% ASTM E 71-52 Class 2 All Pressure Classes.....ADD					POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
	FACINGS FOR 600-POUND FLANGED VALVES																			
	End flanges regularly have ¼-inch large male facing with a serrated or, if specified, smooth finish.																			
	For large or small tongue, groove or female facing; small male facing, or ring joint facing . . . . with smooth finish.....ADD					66	66	80	97	97	109	125	142	...	...	...	...	...	...	...
174	**BY-PASSES — STELLITE TRIM**						*By-pass size:*	½"	¾"	¾"	¾"	1"	1"	1"	1"	1"	1"	1"	1"	1"
							Main valve size:	4"	5"	6"	8"	10"	12"	14x12x14	14"	16"	18x16x18	18"	20"	24"
	For 600-Pound Main Valve with Carbon Steel One-Valve By-Pass.....ADD							$ 553	$ 553	$ 553	$ 553	$ 728	$ 728	POA	$ 728	$ 728	POA	$ 728	$ 728	$ 728
	" " " " " " " Two-Valve By-Pass.....ADD							POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
	" " " " " " " Three-Valve By-Pass.....ADD							POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
	For 600-Pound Main Valve with No. 7 Steel One-Valve By-Pass.....ADD							636	636	636	636	837	837	POA	837	837	POA	837	837	837
	" " " " " " " Two-Valve By-Pass.....ADD							POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
	" " " " " " " Three-Valve By-Pass.....ADD							POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
	For 900-Pound Main Valve with Carbon Steel One-Valve By-Pass.....ADD							757	757	757	757	957	957	POA	957	957	POA	957	...	...
	" " " " " " " Two-Valve By-Pass.....ADD							POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	...	...
	" " " " " " " Three-Valve By-Pass.....ADD							POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	...	...
	For 900-Pound Main Valve with No. 7 or 9 Steel One-Valve By-Pass.....ADD							871	871	871	871	1101	1101	POA	1101	1101	POA	1101	...	...
	" " " " " " " " " Two-Valve By-Pass.....ADD							POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	...	...
	" " " " " " " " " Three-Valve By-Pass.....ADD							POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	...	...
	For 1500-Pound Main Valve with Carbon Steel One-Valve By-Pass.....ADD							926	926	926	926	1169	1169	POA	1169	1169	POA	1169	1169	...
	" " " " " " " Two-Valve By-Pass.....ADD							POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	...
	" " " " " " " Three-Valve By-Pass.....ADD							POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	...
	For 1500-Pound Main Valve with No. 7 or 9 Steel One-Valve By-Pass.....ADD							1066	1066	1066	1066	1343	1343	POA	1343	1343	POA	1343	1343	...
	" " " " " " " " " Two-Valve By-Pass.....ADD							POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	...
	" " " " " " " " " Three-Valve By-Pass.....ADD							POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	...
	For 2500-Pound Main Valve with Carbon Steel One-Valve By-Pass.....ADD							POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	...
	" " " " " " " Two-Valve By-Pass.....ADD							POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	...
	" " " " " " " Three-Valve By-Pass.....ADD							POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	...
	For 2500-Pound Main Valve with No. 7 or 9 Steel One-Valve By-Pass.....ADD							POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	...
	" " " " " " " " " Two-Valve By-Pass.....ADD							POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	...
	" " " " " " " " " Three-Valve By-Pass.....ADD							POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	...

*Extra charges as shown in the column to the right of the optional features are to be added to the cast carbon steel prices shown on page 2 of this Price Schedule.

Flanged valves: Flanged valves are regularly furnished faced, drilled, and spot faced. Faced only valves are available to order; prices on request. Regular and special facings are listed in the table (other special facings priced on request).

Butt-Welding valves: Specify diameter of bore (I. D. of pipe).

Material Specifications

BODY, BONNET, AND CAP MATERIAL

CRANE DESIGNATION	ASTM SPECIFICATION	VALVE CLASSIFICATION
CARBON STEEL	A216—WCB	Carbon Steel
NO. 7 STEEL	A217—WC6	1¼% Chromium—½% Molybdenum
NO. 9 STEEL	A217—WC9	2¼% Chromium—1% Molybdenum

TRIM MATERIAL (Disc and Seat Facings)

CRANE TRIM CLASS	CAT. NO. SUFFIX	CRANE DESIGNATION	MATERIAL CLASSIFICATION
STELLITE	U	Stellite	Cobalt—Chromium—Tungsten Alloy

CATALOG SUFFIXES

Catalog number suffix indicates material of body and bonnet.
U —Stellite trim and Crane Carbon Steel (no numerical suffix)
U7—Stellite trim and Crane No. 7 Chromium-Molybdenum Alloy Steel
U9—Stellite trim and Crane No. 9 Chromium-Molybdenum Alloy Steel

Examples of Pricing

(Basic valve prices are from page 2 ; extra charges from page 3)

1. To price a Crane 6" 600-Pound Pressure-Seal Bonnet Gate Valve with Flanged Ends, Carbon Steel Body and Bonnet and Stellite ("U") Trim...No. 676-U

Basic Valve Price 6" No. 676-U		$3,236.00
Adjustment for Flanged Ends	No Extra	0.00
" " Carbon Steel Body and Bonnet	No Extra	0.00
" " Stellite Trim (U)	No Extra	0.00
Total		$3,236.00

2. To price a Crane 6" 600-Pound Pressure-Seal Bonnet Gate Valve with Flanged Ends, No. 7 Steel Body and Bonnet, Stellite ("U") Trim...No. 676-U7

Basic Valve Price 6" No. 676-U		$3,236.00
Adjustment for Flanged Ends	No Extra	0.00
" " No. 7 Steel	Extra	198.00
" " Stellite Trim (U)	No Extra	0.00
Total		$3,434.00

3. To price a Crane 6" 600-Pound Pressure-Seal Bonnet Gate Valve with Ring Joint Flanges, No. 7 Steel Body and Bonnet, one valve (No. 7) By-Pass, Stellite ("U") Trim...No. 676-U7

Basic Valve Price 6" No. 676-U		$3,236.00
Adjustment for RTJ Flanged Ends	Extra	97.00
" " No. 7 Steel	Extra	198.00
" " One Valve By-Pass	Extra	553.00
" " Stellite Trim (U)	No Extra	0.00
Total		$4,084.00

GN Litho in U.S A.