



No	DESCRIPTION	MATERIAL	SPECIFICATION	QTY
1	BODY	BRONZE	ASTM B62 C83600	1
2	BONNET	BRONZE	ASTM B62 C83600	1
3	STEM	COPPER SILICON BRONZE	ASTM B371 C69400	1
4	DISC	BRONZE	ASTM B62 C83600	1
5	GLAND	BRASS	BS EN 12164 CW614N	1
6	PACKING NUT	BRONZE	ASTM B62 C83600	1
7	PACKING RING	GRAPHITE (ASBESTOS FREE)	WRAS LISTED & APPROVED	1
8	HANDWHEEL	MALLEABLE IRON	A-197 F22000	1
9	IDENTIFICATION PLATE	ALUMINIUM	-	1
10	HANDWHEEL NUT	BRASS	BS EN 12164 CW614N	1
11	GASKET	SYNTHETIC-GLASS FIBER NITRILE FILLED	KLINGERSIL C4500	1
12	BONNET STUD	PHOSPHATED STEEL	BS970 605M36 7' & BS 3189	6
13	BONNET NUT	PHOSPHATED STEEL	BS 4190 & BS 3189	6

SIZE	METRIC DIMENSIONS				IMPERIAL DIMENSIONS			
	'A'	'B'	'C'	WEIGHT	'A'	'B'	'C'	WEIGHT
2 1/2	mm	mm	mm	KG	inch	inch	inch	Lbs
3	134	108	369	5.80	5.28	4.25	14.53	12.8
	134	117	416	8.52	5.28	4.59	16.39	18.8

MATERIAL NOTE :-
 BS EN IS EQUIVALENT
 TO ASTM B16 C36000
 ALLOWED BY MSS SP80

B-120	PSI - NON-SHOCK	300	270	240	210	180	150	145
TYPE 2	TEMPERATURE (°F)	-20 TO 150	200	250	300	350	406	450

THREADED
 ANSI B1.201 (TAPER)

NOTE:
 DRAWINGS ARE SUBJECT TO CHANGE WITHOUT NOTICE. WE RESERVE
 THE OPTION TO SUBSTITUTE EQUIVALENT OR HIGHER GRADE
 MATERIALS WITHOUT NOTICE. THIS VALVE IS MANUFACTURED AND
 TESTED IN ACCORDANCE WITH MSS-SP80 TO THE RELEVANT CLASS
 RATING FOR THIS TYPE 2 VALVE.

CREATED DRAWING FROM: NW/A3/145575A

DATE	11763	ACL	DKA	ORIGINAL RELEASE
DATE	08/2010	ECC	DN BY	CHANGE
<p>THIS DRAWING IS THE PROPERTY OF CRANE ENERGY. IT IS TO BE REPRODUCED, PUBLISHED, OR DISCLOSED TO OTHERS WITHOUT EXPRESS WRITTEN PERMISSION.</p>				
<p>Unless Otherwise Specified: DIMENSIONS ARE IN MILLIMETERS/INCHES ANGLE TOL: ±.5° WELD DIM TOL: X ±1.5</p>				
ENGINEER:		DATE:	DRAWN BY:	DATE:
CHECK:		DATE:	CHECKED BY:	DATE:
SCALE:		SHEET: 1 OF 1		SIZE:
DRAWN BY: DK Alton		DATE: 08-24-10	DRAWING NO.: 4150084	

CRANE
 CRANE Energy
 Flow Solutions

General Assembly Drawing
 2 1/2"-3" Class 150 Bronze Gate Valve, RS,
 Threaded Ends, Bolted Bonnet,
 CRANE Figure Number 431BB