



Stuffing box construction  
for sizes 1/4 - 1/2



Disc construction  
for sizes 1/4 to 1



Disc construction  
for sizes 3 & 4

## WORKING PRESSURES

Size	Working pressure				
	Non-shock		Test pressure		
	Saturatadsteam	cold water,Oil,Gas	Shell(water)	Seat(air)	
1 1/4 to 3	Psig	150	300	450	80
	Bar.	10.3	20.7	31	5.6
4	Psig	160	2.26	340	80
	Bar	10.3	15.5	23.5	5.8

## MATERIAL

No.	Name of parts	ASTM Specifications
1	Body	Cast bronze B82-C83600
		114-2 Forged brass B124.c37700
2	Bonnet	2112-4 Cast bronze 1362-<83600
		3 Copper alloy rod' or cast bronze (Note 1) 821-c47940 01' B606.c83800
3	Stem	IF4-1 Coppo' alloy rod 821-c47840
		4-Feb Cast bronze 1362-<83600
4	Disc	1114-3 Brass rod 816-(J360(X))
		4 Cast bronze B82-C83600
6	Locil; FM	4 Cast bronze B82-C83600

8	Packing IM	"4-3	Forged brass	8283-<37700
		4	Cast bronze	1362-<83600
7	Oland		Forged brass	B124..c37700
8	Gland packing		Non-asbestos packing	1112998-NA
		1/8-3/4	Zinc, alloy die casting	B86-Z33520
9	Handwheel	1/2-3	Aluminum alloy die casting	B85-AD3840
		4	Ductile Iron	A636 Gr.66-46-12
10	Wheel IM		Steel (Zinc; plated)	A583Gr.A
11	NIMne plate		Aluminum plate	B209-1100

## DIMENSIONS

Size Mark		3/4	1	1 1/4	1 1/2	2	2 1/2	3	4		
L	in.	1.77	1.97	2.20	2.56	2.83	3.11	3.35	4.49	5.12	6.69
	mm	45	50	56	65	72	79	85	114	130	170
H	in.	3.58	3.78	4.33	4.88	5.63	6.46	7.60	9.76	11.06	13.94
	mm	91	96	110	124	143	164	193	248	281	354
D	in.	1.89	2.17	2.48	2.76	3.15	3.54	3.94	4.92	5.51	7.09
	mm	48	55	63	70	80	90	100	125	140	180

## WEIGHT

lb	0.66	0.86	1.19	2.07	2.54	3.73	5.69	11.29	16.87	36.09
kg	0.30	0.39	0.54	0.94	1.15	1.69	2.58	5.12	7.65	16.37

Note: 1. Stem materials are as follows:

ASTM B21-C47940 applied to British standard pipe threaded valves. ASTM B505-C83600 applied to American standard pipe threaded valves.

2. End threads conform to American or British standard pipe threads.

3. These valves conform to the requirements of MSS SP-80 Type 1.

Related: bronze, globe valve, toy