

Jacketed Valve Dimensions (Full Jacketed Design)

Partially jacketed valves, and line-size jacketed valves retain their original length. Fully jacketed valves require that the valve body be lengthened and existing flanges are replaced with oversize flanges. The standard is to use flanges one size over the original valve's line size. Example: 3 x 2 x 3 fully jacketed 150# plug would be a 2" plug valve with 3" 150# flanges and a face-to-face length of a standard 3" plug, which is 8". All dimensions here represent standard ANSI face-to-face lengths for fully jacketed 150# valves. Variations on these lengths are possible for special applications or for replacement of a non-standard length jacketed valve already in service.

Plug Valve ANSI 150#	
Size	Face to Face
2 X 1 X 2	7"
2 1/2 X 1 1/2 X 2 1/2	7 1/2"
3 X 2 X 3	8"
4 X 3 X 4	9"
6 X 4 X 6	10 1/2"
8 X 6 X 8	11 1/2"
10 X 8 X 10	13"
12 X 10 X 12	14"

Gate Valve ANSI 150#	
Size	Face to Face
1 1/2 X 1/2 X 1 1/2	6 1/2"
1 1/2 X 3/4 X 1 1/2	6 1/2"
2 X 1 X 2	7"
2 1/2 X 1 1/2 X 2 1/2	7 1/2"
3 X 2 X 3	8"
4 X 3 X 4	9"
6 X 4 X 6	10 1/2"
8 X 6 X 8	11 1/2"

Ball Valve ANSI 150# FP	
Size	Face to Face
2 X 3/4 X 2	7"
2 X 1 X 2	7"
2 1/2 X 1 1/2 X 2 1/2	7 1/2"
3 X 2 X 3	8"
4 X 3 X 4	9"
6 X 4 X 6	* 15 1/2"
8 X 6 X 8	* 18"
10 X 8 X 10	* 21"
*These jacketed BVs can be made shorter face to face as per customers request.	

Globe Valve ANSI 150#	
Size	Face to Face
1 1/2 X 1/2 X 1 1/2	6 1/2"
1 1/2 X 3/4 X 1 1/2	6 1/2"
2 X 1 X 2	8"
2 1/2 X 1 1/2 X 2 1/2	8 1/2"
3 X 2 X 3	9 1/2"
4 X 3 X 4	11 1/2"
6 X 4 X 6	14"
8 X 6 X 8	19 1/2"

Ball Valve ANSI 150# RP	
Size	Face to Face
2 X 1 X 2	7"
2 1/2 X 1 1/2 X 2 1/2	7 1/2"
3 X 2 X 3	8"
4 X 3 X 4	9"
6 X 4 X 6	10 1/2"
8 X 6 X 8	11 1/2"
10 X 8 X 10	13"
12 X 10 X 12	14"

Check Valve ANSI 150#	
Size	Face to Face
1 1/2 X 1/2 X 1 1/2	6 1/2"
1 1/2 X 3/4 X 1 1/2	6 1/2"
2 X 1 X 2	8"
2 1/2 X 1 1/2 X 2 1/2	8 1/2"
3 X 2 X 3	9 1/2"
4 X 3 X 4	11 1/2"
6 X 4 X 6	14"
8 X 6 X 8	19 1/2"