



Available in certain sizes upon request

## Materials of Construction

**Body:** ASTM A 126 Class B

**Plug:** ASTM A 126 Class B

**Baseplate:** ASTM A 126 Class B

**Baseplate Spring:** Stainless Steel 17-7

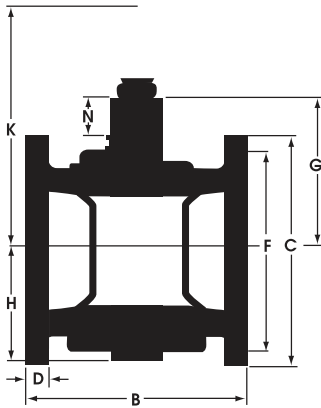
## PLUG VALVES

**Sealant Screw:** Commercial Steel

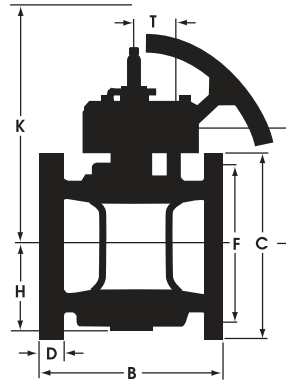
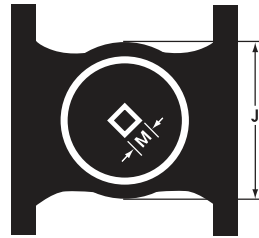
**Double Ball Check Valve:** Commercial Steel

**Gasket:** Glass Filled TFE

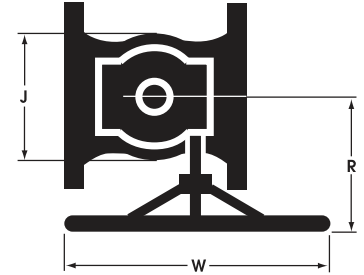
**Body Sealant Fitting:** Commercial Steel (8", 10" and 12" only)



**Fig. R-1431**  
Wrench-Operated



**Fig. R-1431 WGA**  
Worm Gear-Operated



## Rectangular Port, Regular Opening Valves R-1431 Dimensions

DESCRIPTION		BOTTOM ENTRY											
SIZE (Inches)		1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12
<b>B</b>	Face-to-Face Flanged	5 1/2	6	6 1/2	7	7 1/2	8	9	10	10 1/2	11 1/2	13	14
<b>H</b>	Center of Port to Bottom of Valve	1 7/8	2 5/8	2 3/8	2 5/8	3 1/8	3 1/4	4 1/4	5 1/8	5 1/8	6 1/8	7 5/8	9 3/4
<b>J</b>	Extreme Width of Body	2 1/2	3 7/8	3	4	4 3/4	5 1/2	6 7/8	7 1/2	7 1/2	10	12	13 1/2
<b>L</b>	Diameter of Sealant Stick	3/8	3/8	3/8	3/8	3/8	3/8	5/8	5/8	5/8	5/8	5/8	5/8
FLANGE DATA													
<b>C</b>	Diameter of Flanges	4 1/4	4 5/8	5	6	7	7 1/2	9	10	11	13 1/2	16	19
<b>D</b>	Thickness of Flanges	7/16	1/2	9/16	5/8	11/16	3/4	15/16	15/16	1	1 1/8	1 3/16	1 1/4
<b>E</b>	No. and Size of Bolts	4-1/2	4-1/2	4-1/2	4-5/8	4-5/8	4-5/8	8-5/8	8-3/4	8-3/4	8-3/4	12-7/8	12-7/8
<b>F</b>	Diameter of Bolt Circle	3 1/8	3 1/2	3 7/8	4 3/4	5 1/2	6	7 1/2	8 1/2	9 1/2	11 3/4	14 1/4	17
STEM DATA													
<b>G</b>	Center of Port to Top of Stem	3 5/8	3 7/8	3 5/8	3 7/8	5	5 1/4	6 5/8	7 1/2	7 1/2	8 1/2	10 3/4	13 1/4
<b>K</b>	Clearance to Remove Lubricant Screw	5 7/8	6 1/8	5 3/4	6 1/8	7 1/4	7 1/2	10 1/8	10 7/8	10 7/8	11 7/8	14 1/8	16 5/8
<b>M</b>	Width of Square of Stem	15/16	15/16	15/16	15/16	1 1/4	1 1/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	2
<b>N</b>	Height of Square of Stem	1 3/8	1 1/8	1 1/8	1 1/8	1 3/8	1 3/8	1 7/8	1 7/8	1 7/8	1 7/8	2 1/8	2 3/8
	Wrench	A	A	A	A	C	C	F	H-24	H-24	H-30	H-36	K-36
	Wt. (lb.)	6	10	10	20	28	38	66	87	96	158	248	387
WORM GEAR-OPERATED													
<b>K</b>	Clearance to Remove Lubricant Screw							13 7/8	13	13	14	16 1/4	18 3/4
<b>R</b>	Center of Port to Handwheel Face							8	11	11	11	12 1/4	12 3/4
<b>S</b>	Center of Port to Center of WGA Shaft							6 1/4	7	7	7 15/16	10 3/8	13 5/4
<b>T</b>	Center of Plug Stem to Center of WGA Shaft							29/16	29/16	29/16	29/16	3 1/8	4 7/8
<b>W</b>	Diameter of WGA Handwheel							12	12	12	12	16	16

Flanges are drilled to ANSI B.16.1 Class 125 Cast Iron Flange Standard. Bolt holes are drilled 1/8" larger than bolts.