

# Selas Balanced Zero Regulator BZR-500

## Description

BZR-500 Series Balanced Zero Regulators are used for precise control of heated gases or for equipment locations subjected to high ambient temperatures. They are designed for continuous operation up to 500°F and to resist corrosion from high sulphur or other corrosive gases. The special high temperature construction does not sacrifice performance.

The BZR-500 series regulators duplicate the precise control characteristics of the standard BZR Regulators. They automatically adjust valve position to hold a desired precise outlet pressure. Slight variations in inlet pressure do not affect the performance.

## Features

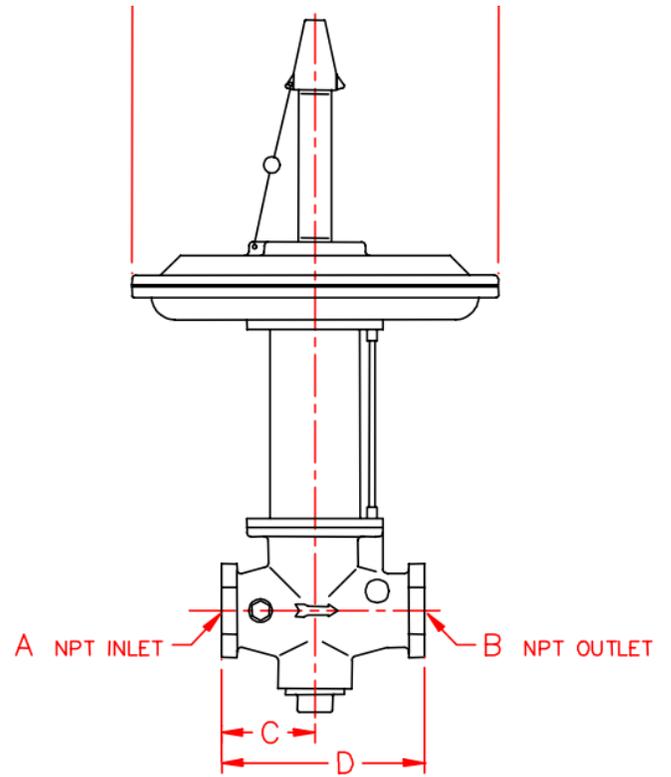
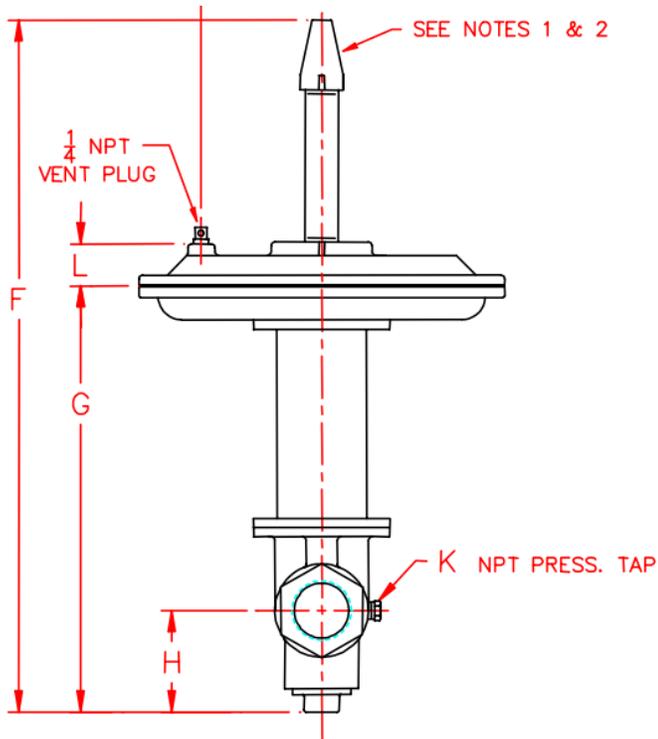
- Accuracy: Low - Flow:  $\pm 0.1''$  W.C. | Full - Flow:  $\pm 0.3''$  W.C.
- Turndown up to 200:1
- Operating temperatures to 500°F
- For use with high sulfur gases
- All units factory tested and sealed before shipment
- Maximum inlet pressure: 5.0 psig
- Maximum pressure differential: 14.0'' W.C.
- Sensitivity - Responds to signal pressure differential as low as 0.04'' W.C.

## BZR-500 Capacities

Model Number	Pipe Size	SCFH Gas Flow @ 4.0'' W.C. Pressure Drop			
		MFD 0.4 Sp. Gr.	NAT. 0.6 Sp. Gr.	AIR 1.0 Sp. Gr.	L.P. 1.5 Sp. Gr.
<b>8-BZR-500</b>	1''	1,580	1,290	1,000	820
<b>12-BZR-500</b>	1-1/2''	3,160	2,580	2,000	1,640
<b>20-BZR-500</b>	2-1/2''	7,900	6,450	5,000	4,100
<b>24-BZR-500</b>	3''	12,600	10,300	8,000	6,500
<b>32-BZR-500</b>	4''	22,100	18,100	14,000	11,400



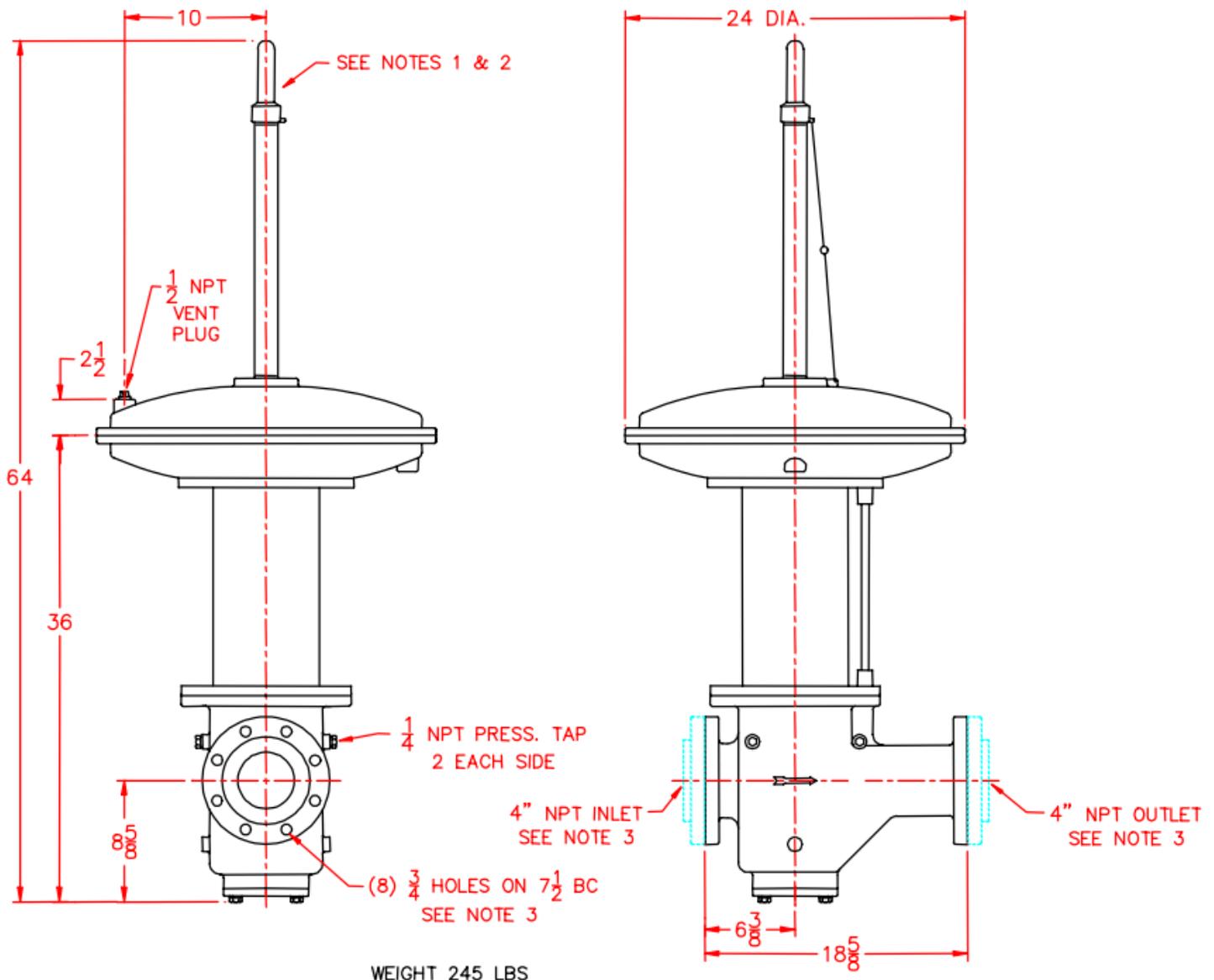
## BZR-500 Dimensions



Model Number	A	B	C	D	E	F	G	H	J	K	L	Weight Lbs.
8-BZR-500	1	1	2-3/8	4-3/4	9-3/4	22-7/8	15-7/8	2	3-3/8	1/8	1-1/4	12.0
12-BZR-500	1-1/2	1-1/2	3	6-1/2	11-3/4	33-1/4	18-3/8	3-1/4	3-7/8	1/4	1-3/8	25.5
20-BZR-500	2-1/2	2-1/2	4	8-3/4	14	36-1/2	21-1/4	3-5/8	3-5/8	1/4	1-7/8	66.5
24-BZR-500	3	3	5-3/4	11-1/2	14	38-3/8	23	4-5/8	3-5/8	1/4	1-7/8	77.5



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**NOTES:**

1. Spring housing must be in an upright position.
2. Gas pipe run must be horizontal and level.
3. Designed to accept standard 4" ANSI flanges.
4. All dimensions are in inches.

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