

## SERIES 2300 GRAZING VALVE



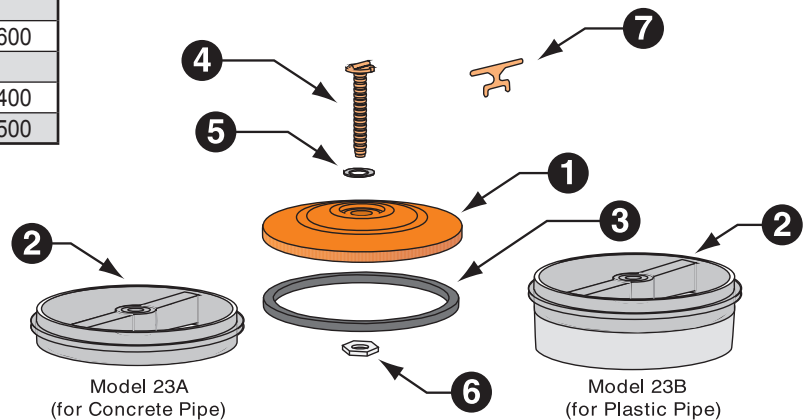
### Features

- Precision ground seat and rubber gasket ensures watertight seal.
- Heavy-duty cast iron frame and cover for long life.
- Cast-in-place bronze bushing won't pull out, and will provide a bronze to bronze operating thread.
- The vee or acme threaded brass screw is rugged and easy to operate.
- Tapered frame skirt ensures excellent fit inside 100' low head PIP.
- Non-protruding screw:
  - Protects against unauthorized valve resetting.
  - Eliminates stem damage by equipment or livestock.
  - Protects livestock from injury.
- Self-cleaning screwhead slots.

### Material Specifications

Item	Description	Material	Specification
1	Cover (Lid)	Cast Iron	ASTM A126, Class B
2	Frame	Cast Iron	ASTM A126, Class B
3	Gasket	SBR	ASTM D2000
4	Screw	Brass	ASTM B584, C83600
5	Washer	Brass	ASTM B16
6	Nut	Brass	ASTM B584, C84400
7*	Key	Mang. Bronze	ASTM B584, C86500

\* Series 2300 Only



### Application

The Series 2300 Grazing Valve is an overflow type valve designed for use in surface irrigation to provide reliable shut-off and regulation of flow from underground pipelines to irrigation furrows or checks. The Series 2300 may also be used in conjunction with distributing pots in vineyard and orchard applications. Grazing Valves also provide effective level control and aeration in ponds or as drains for sumps or stand pipes. (Not designed to work with universal hydrant)

# SPECIFICATIONS

## Pressure Rating

Valve Sizes:

3" - 12" .....50 ft. (22 psi max.)

14" - 20" .....25 ft. (11 psi max.)

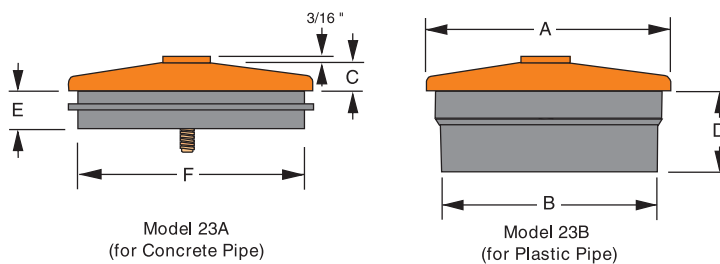
## Options

- 6" - 14" available with vee or acme thread.

## Installation

The Series 2300 is designed for use with plastic or concrete pipe. When used with plastic pipe, the outside of the valve frame is joined to the inside of the plastic pipe with epoxy. Draw bands may be used to provide additional joint strength. When used with concrete pipe, valve frames are normally mortared to the end of the pipe or inside the end of a larger diameter pipe.

### SERIES 2300 GRAZING VALVE



## Dimensional Information

Valve Size (Inches)	Model/Weight (lbs)		Dimensions (Inches)						Screw Thread			
									Standard		Optional	
	23A	23B	A	B	C	D	E	F	Type	Dia.	Type	Dia.
3	-	-	3.72	-	-	-	1.60	3.15	VEE	1/2	N/A	N/A
3 1/2	3.0	-	4.24	-	0.94	-	1.79	3.75	VEE	1/2	N/A	N/A
4	-	-	4.82	4.25	-	2.20	1.71	4.20	VEE	1/2	N/A	N/A
5	4.3	5.8	5.78	5.88	1.09	2.86	1.79	5.24	VEE	1/2	N/A	N/A
6	8.8	10.8	6.90	5.88	1.61	4.49	2.03	6.25	ACME	3/4	VEE	5/8
6 1/2	8.5	-	7.56	-	1.63	-	2.04	6.95	VEE	5/8	N/A	N/A
8	12.3	15.8	9.37	7.88	1.69	4.45	2.00	8.70	ACME	3/4	VEE	5/8
10	18.0	25.3	11.06	9.88	2.03	5.53	2.00	10.38	ACME	29/32	VEE	3/4
12	22.8	28.8	13.06	11.88	2.07	4.98	2.00	12.40	ACME	29/32	VEE	3/4
14	-	-	15.25	14.88	-	4.54	2.10	14.48	ACME	29/32	VEE	3/4
16	-	-	17.28	-	-	-	2.34	16.48	ACME	1 1/8	N/A	N/A
18	-	-	19.25	17.88	-	5.11	2.44	18.60	ACME	1 1/8	N/A	N/A
20	-	-	21.38	19.88	-	6.88	2.78	20.50	ACME	1 1/8	N/A	N/A



Valves & Castings, Inc.

Specifications subject to change without notice.

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Rev. 11/17