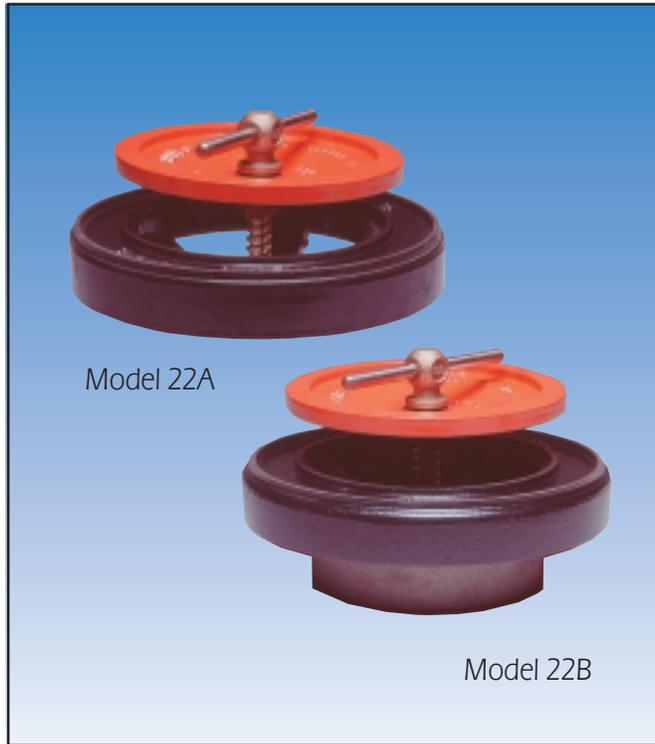


SERIES 2200 VALLEY ALFALFA VALVES

TECHNICAL DATA SHEET



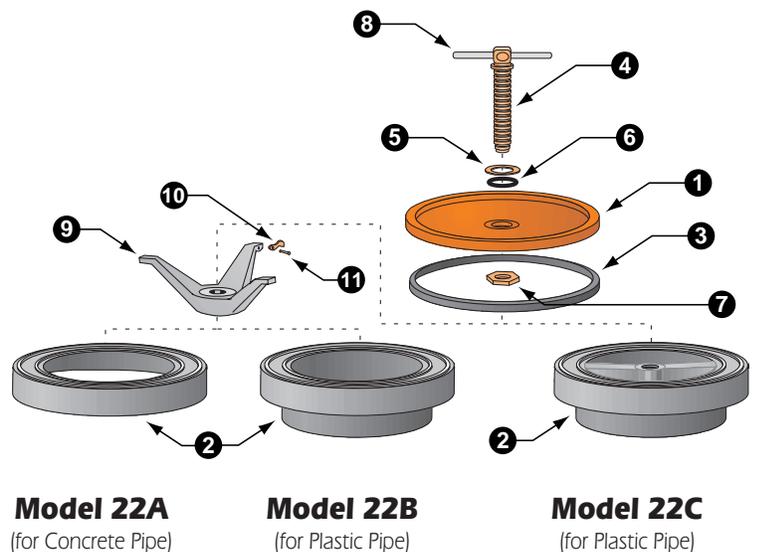
Series 2200 Alfalfa Valves

Features

- Specially designed for use with FRESNO and other universal hydrants.
- Removable arch for easy riser access (Models 22A and 22B).
- Resilient seal and precision ground seat provide watertight closure.
- Brass screw is easy to operate.
- Acme thread for fast opening and closing.
- Cast-in-place bronze bushing won't pull out.
- Concave cover design for added strength.
- Noncorroding brass latch and pin allow quick release of arch (Models 22A and 22B).
- Integral cast arch for maximum strength (Model 22C).

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 B19, Alloy 260
6	O-Ring	Buna-N	ASTM D2000
7	Nut	Brass	ASTM B584, C84400
8	Cross Pin	Stainless Steel	ASTM A276, Type 304
9	Arch (Spider)	Cast Iron	ASTM A126, Class B
10	Latch	Brass	ASTM B584, C84400
11	Latch Pin	Brass	ASTM B16, Alloy 360

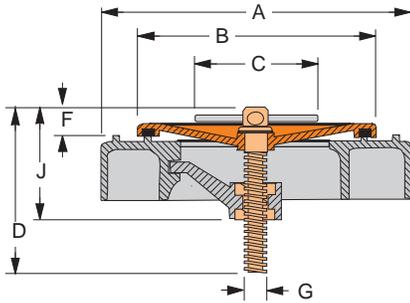


Applications

The Series 2200 Alfalfa Valves are designed for use in surface irrigation systems to provide effective shut-off and regulation of flow from underground pipelines to irrigation furrows or checks. Alfalfa Valves are also for use with portable hydrants and gated pipe in row crop irrigation.

SPECIFICATIONS

SERIES 2200 ALFALFA VALVE



Model 22A
Removable Arch
(for Concrete Pipe)

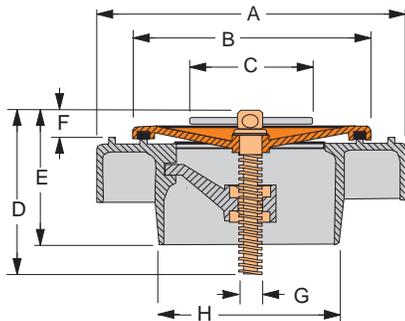
Pressure Rating

Valve Sizes:

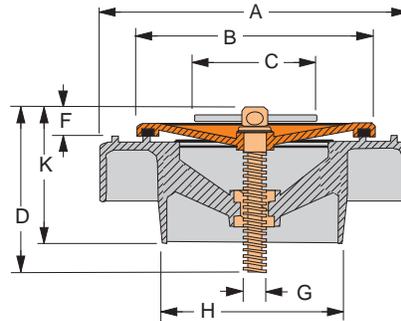
8" – 12"	50 ft. (22 psi)
14"	25 ft. (11 psi)

Installation

The Model 22A Valve is designed for use with concrete pipe. Valve frames are normally mortared to the end of the pipe. The Model 22B and 22C Valves are designed for use 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 strength at the joint.



Model 22B
Removable Arch
(for Plastic Pipe)



Model 22C
Solid Arch
(for Plastic Pipe)

Dimensional Information

Valve Size (Inches)	Model/Weight (lbs)			Dimensions (Inches)									
	22A	22B	22C	A	B	C	D	E	F	G	H	J	K
8	20.5	27.0	27.0	12.25	9.25	7.00	9.25	6.69	1.81	0.88	7.88	5.25	5.38
10	27.5	36.0	36.0	14.19	11.00	7.00	9.25	6.88	1.78	1.00	9.88	5.06	5.88
12	34.5	45.0	45.0	16.38	13.10	7.00	9.35	6.31	1.71	1.12	11.88	6.00	5.84
14	50.0	69.0	-	19.06	15.50	9.00	10.12	7.06	1.97	1.25	14.88	5.88	7.06



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