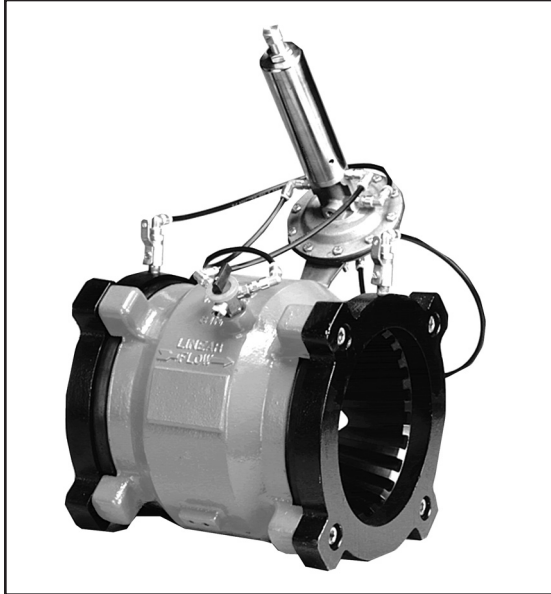




FRESNO

SERIES 9300 LINEAR FLOW CONTROL VALVE

TECHNICAL DATA SHEET



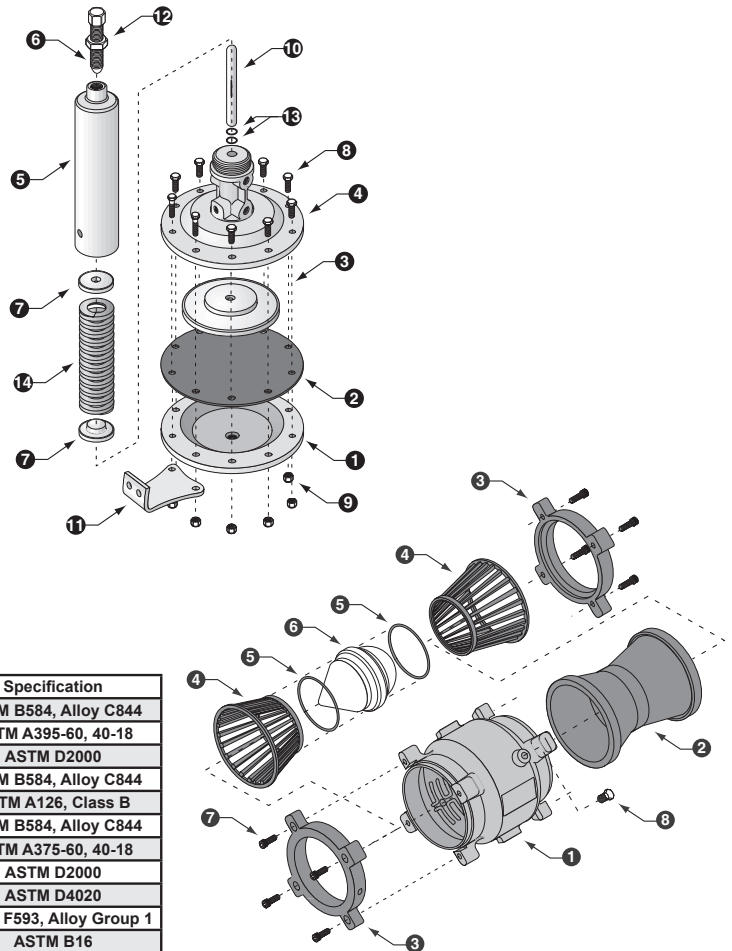
Series 9300 Linear Flow Control Valve

Features

- Simple trouble-free design.
- High flow rates and low head loss for maximum efficiency.
- Smooth opening and closing.
- Versatile control options meet most flow and pressure requirements.
- Threaded ends on 2" and 3" sizes.
- Wafer end on 3" through 8" sizes.
- Drip-tight shut off.

Material Specifications - Pilot

Item	Description	Material	Specification
1	Diaphragm Cover	Red Brass	ASTM B584, Alloy C844
2	Diaphragm	Nitrile / Nylon	
3	Diaphragm Plate	Stainless Steel	ASTM A581, A582
4	Body	Red Brass	ASTM B584, Alloy C844
5	Spring Housing	Red Brass	ASTM B584, Alloy C844
6	Adjusting Screw	Brass	ASTM B16
7	Spring Plate	Stainless Steel	ASTM A581, A582
8	Hex Bolt	Stainless Steel	ASTM F593, Alloy Group 1
9	Hex Nut	Stainless Steel	ASTM F594, Alloy Group 1
10	Diaphragm Pilot	Stainless Steel	ASTM A581
11	Mounting Brkt.	Stainless Steel	ASTM A240
12	Lock Nut	Stainless Steel	ASTM F594, Alloy Group 1
13	O-Ring	Buna-N	ASTM D2000
14	Spring	Chromium Vanadium Steel	ASTM A232



Material Specifications - Valve

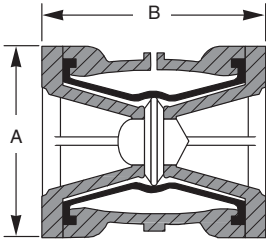
Item	Description	Material	Specification
1	Body	Brass	ASTM B584, Alloy C844
1b	Body	Ductile Iron	ASTM A395-60, 40-18
2	Sleeve	Buna-N	ASTM D2000
3	End Flange	Brass	ASTM B584, Alloy C844
3a	End Flange	Cast Iron	ASTM A126, Class B
4	End Cage	Brass	ASTM B584, Alloy C844
4a	End Cage	Ductile Iron	ASTM A375-60, 40-18
5	O-Ring	Buna-N	ASTM D2000
6	Sealing Disc	UHMW Polyethylene	ASTM D4020
7	Bolts	Stainless Steel	ASTM F593, Alloy Group 1
8	Plug	Brass	ASTM B16

Applications

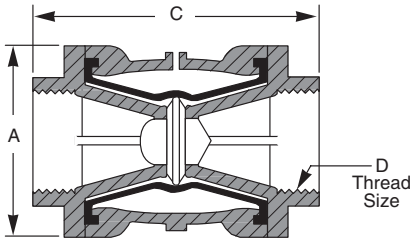
The Series 9300 Linear Flow Control Valve is designed for use in a wide variety of irrigation and water control applications. Examples include simple on/off control to pipelines, center pivots or wheel lines. They can control excessive pressure at pumps and provide effective zone control in orchards, vineyards and row crops.

SPECIFICATIONS

SERIES 9300 LINEAR FLOW CONTROL VALVE



Wafer Style



Threaded Style

Dimensional Information

Valve Size (inches)	Dimensions (Inches)			
	A	B	C	D
2	6	-	7 ¹ / ₈	2" NPT
3	6 ¹¹ / ₁₆	6 ³ / ₁₆	9 ¹ / ₈	3" NPT
4	7 ¹³ / ₁₆	7 ³ / ₄	-	-
6	10 ¹ / ₁₆	9 ¹ / ₂	-	-
8	11 ²⁹ / ₃₂	11 ¹ / ₂	-	-

Pressure Rating

Rubber sleeve recommended (upstream):

	Min.	Max.
F-Sleeve	15 PSI	75 PSI
G-Sleeve	30 PSI	250 PSI

Maximum Operating Pressure:

Aluminum	150 PSI
Brass	250 PSI
Ductile Iron	250 PSI

Installation

The Linear flow valve 2" and 3" models are designed to be threaded onto steel or plastic pipe. Sizes 3" through 8" are wafer style and installed between 125/150 lb. flanges using bolt packs.

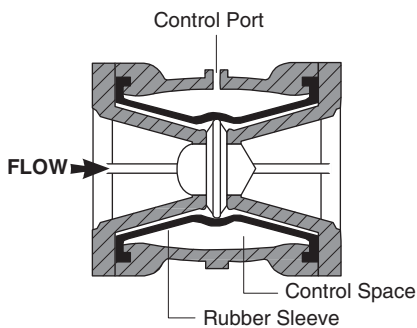
Electrical Data

Standard 3-way electrical solenoid.
Solenoid voltage available.
24, 110, 240, 280, 480 VAC
12, 24 VDC

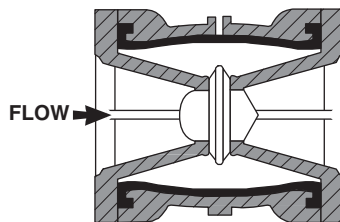
Options

- On/Off Electric
- Pressure Reducing
- Pressure Relief
- Pressure Sustaining
- Electric Pressure Sustaining
- Electric Pressure Reducing
- Normally Open

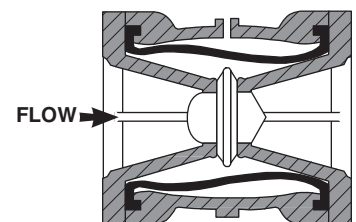
Operation



CLOSED - The rubber sleeve is in a normally closed position. When there is no flow pressure on the valve or equal upstream and control space pressure, the natural tendency of the resilient sleeve holds the valve closed.



OPEN - When flow and pressure are applied, the valve opens. Line pressure stretches the rubber sleeve against the valve body.



REGULATING - A stable throttling position is obtained when a quantity of water is trapped in the control space. In this position the valve serves as a pressure control valve.



FRESNO
Valves & Castings, Inc.

Specifications subject to change without notice.

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