## Valve **Specifications:**

- **Body Sizes:** 2<sup>1</sup>/<sub>2</sub>" - 6"
- **Body Material:**

Cast Iron (per ASTM A126-93 Class B)

**End Connections:** 

125 # Flanged (per ANSI B16.1–1993)

- Trim: Bronze/EPDM
- Packing: Spring Loaded TFE/EPDM packing
- Seat : ANSI Class IV; < 0.01%
- Close-off Pressure 125psi
- Cv Range:

2 <sup>1</sup> /2"	56
3	85
4	145
5	240
6	370

- **Rangeability:** 100:1
- **Characteristics:** Equal Percent
- **Maximum Pressure:** 200psi @ Temp. <150°F
- Max. Differential Pressure: 50psi
- **Temperature Range:** 20° – 281° F

# **FEOWRITEI**<sup>®</sup> **Heavy Duty 597 Series** Series Iron Type SI Balanced Control Valve



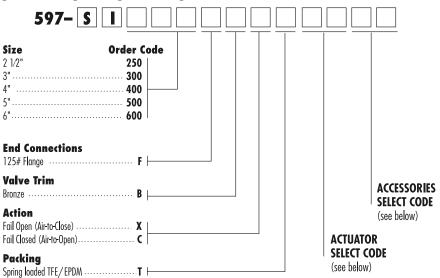
The rugged Powers Flowrite II Type SI balanced (single seat iron body) control valve is primarily used for steam and water modulating applications with moderate pressure drops. The SI value is available with the Powers 46  $in^2$  and 100  $in^2$ actuators. Actuator selection depends on valve size and flowing system pressure drop across the valve.

### Actuator Specifications:

- Housing Construction: Die cast aluminum
- Diaphragm Construction: Replaceable molded neoprene
- Diaphragm Area:
   2<sup>1</sup>/<sub>2</sub>" 5" 46 in<sup>2</sup> 6" 100 in<sup>2</sup>
- Ambient Shipping Limits: - 40 to 220° F
- Ambient Operating Limits: - 20 to 220° F
- Air Connection: 46 in<sup>2</sup> <sup>1</sup>/<sub>4</sub>" NPT 100 in<sup>2</sup> <sup>1</sup>/<sub>8</sub>" NPT
- Position Indication: 1/8" increments
- Mounting:

In any upright position with actuator head above 45° of the center line of the valve body. Actuator head may be swiveled to any convenient position.

#### ORDERING INFORMATION



#### ACTUATOR SELECT CODE

PNEUMATIC DIAPHRAGM ACTUATORS	
46 in <sup>2</sup> , 1" Max Valve Stroke with Extreme Cycle Springs	
adjustable start w/6-12 lb. span.	
100 in²; 8-13 psi Spring Range, (Normally Closed Valves)	
100 in²; 3-8 psi Spring Range, (Normally Open Valves)	

#### ACCESSORIES SELECT CODE

CODE	DESCRIPTION	
	Bellofram 1000 I/P'S	
IS	3—15 psi	
TS	1—17 psi	
US	3–27 psi	

CONTROL/AIR TYPE 900X I/P ES 0–30 psi

UTILITY POSITIONER AND I/P		
BS	4—20 mA	
	UTILITY POSITIONER	
PS	3-15 psi	
RS	3-9 psi	
SS	9-15 psi	
	NO ACCESSORIES	

OS No Accessories



For more information on these or any of POWERS' products, visit us at www.powerscontrols.com or contact us at 1-800-669-5430

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**Temperature Indicators** Temperature Switches **Capillary Bulb Type** 

**Process Controllers** Multi-Loop **Process Indicators with Switches** 

**Control Valves – Globe Type Temperature Regulators** Self Contained **Temperature Controllers** 

**Electric Actuators Modulating Controllers** Spring Return – SURE Mounting to your valves.

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