Job Name	Contractor
Job Location	Approval
Engineer	Contractor's P.O. No.
Approval	Representative
Approvar	riepresentative

F OWRITE II ®

Heavy Duty Series 597 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 valve is available with the Powers 46 in² and 100 in² actuators. Actuator selection depends on valve size and flowing system pressure drop across the valve.

Specifications

Body Sizes: $2\frac{1}{2}$ " - 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:

2½" 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



Actuator Specifications

Housing Construction: Die cast aluminum

Diaphragm Construction: Replaceable molded neoprene

Diaphragm Area: 2½" – 5" 46 in²

6" 100 in²

Ambient Shipping Limits: - 40 to 220° F

Ambient Operating Limits: - 20 to 220° F

Air Connection: 46 in² 1/4" NPT

100 in² 1/8" NPT

Position Indication: 1/8" increments

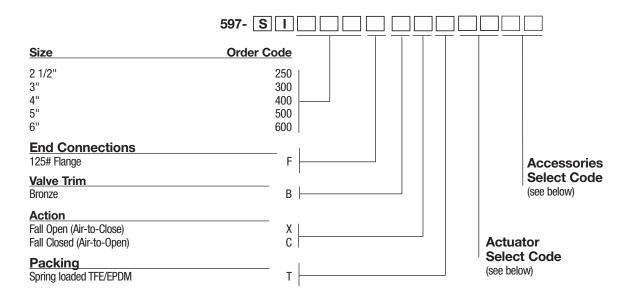
Mounting: In any upright position with actuator head above 45° of the center line of the valve body. Actuator head may be swiveled to any convenient position.

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.



Ordering Information



Actuator Select Code

CODE	PNEUMATIC DIAPHRAGM ACTUATORS	
4C	46 in ² , 1" Max Valve Stroke with Extreme Cycle Springs	
46	adjustable start w/6-12 lb. span	
1U	100 in ² ; 8-13 psi Spring Range, (Normally Closed Valves)	
(For 6" Valve only)		
1L	100 in²; 3-8 psi Spring Range, (Normally Open Valves)	
(For 6" Valve only)		

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 m	
AUTILITY POSITIONER		
PS	3-15 psi	
RS	3-9 psi	
SS	9-15 psi	
NO ACCESSORIES		
0S	No Accessories	



A WATTS Brand

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