



**B Series**  
GENERAL SERVICE  
CONTROL VALVES

## B Series

The simple, effective solution

### ABOUT THE B SERIES

With light industrial and general utility service in mind, the B Series has been developed to be the most simple and cost effective solution available. Careful, thoughtful design using the latest computer aided techniques has made the B Series one of the best performing light industrial valves on the market. Rigorous testing and our diverse application experience make it one of the most reliable.

### FEATURES

The B Series is a bronze bodied control valve that features:

- ANSI 250 body rating
- NPT threaded connections
- 2-way and 3-way versions
- 300 Series stainless steel trim
- Class IV (metal seating) and Class VI (PTFE soft seating) shut-off capability
- Full and reduced capacity trims

### INDUSTRIES AND APPLICATIONS

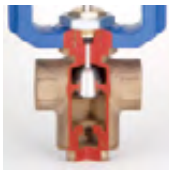
- Food and Beverage
- Textiles
- Automotive
- Paper
- Institutions



## THE RANGE AT A GLANCE

Valve name	Valve type	Body Materials	Valve sizes	Connections	Flow Characteristics	Special trims	Stem seals	Actuation
B Series	2-way globe to ANSI 250 3-way globe to ANSI 250	Bronze	1/2" to 2"	NPT	Equal Percentage Linear	PTFE Soft Seating	PTFE/ Graphite	Pneumatic Electric

## SUMMARY OF KEY FEATURES AND BENEFITS



### Key features

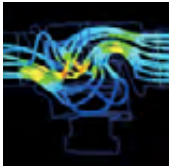
#### 2-way and 3-way versions

### Key reasons

Common body design with minimal different components.

### Key benefits

Site standardization for increased product familiarity, reduced spares stock holding and easier maintenance.



#### High capacities and precise control

Designed using Computational Fluid Dynamics and rapid prototyping techniques to optimize flow paths, flow characteristics and rangeability.

Excellent control performance across a wide range of applications.



#### High performance long life stem seal

Developed under extensive test conditions covering extremes of pressure and temperature for a variety of fluids.

Leakage free over long maintenance intervals.



#### Durable, corrosion resistant trim

Manufactured from 300 Series stainless steel

Reliable performance and reduced maintenance costs.



#### Rugged, accurate pneumatic actuators

Rolling diaphragms for minimum hysteresis and maximum linearity and repeatability

Precise, repeatable fluid control.



#### Compatible with all industry standard control systems

NAMUR mounting on our pneumatic actuators ensures compatibility with Spirax Sarco's extensive range of positioners and accessories.

Can be installed in simple 3-15 psig control systems or those using the latest digital communications.

