

**Innovative Solutions to
Plant-wide
Process-Specific Valve Design**

PRO-SPEC is SVF Flow Control's innovative program that provides process engineers the opportunity to develop valve specifications centered around actual process conditions. The broad selection of materials and performance features makes PRO-SPEC a truly versatile and valuable addition to the engineers piping design portfolio.

PRO-SPEC Technology Innovations

The key design concept of PRO-SPEC utilizes the inherent flexibility of the three-piece ball valve.

"Mix & Match" options allow process engineers to create a valve design to specifically meet pressure, temperature and material compatibility.

Valves may be designed for a single process or for plant-wide applications.

**PRO-SPEC Solutions Across the
Manufacturing Life Cycle**

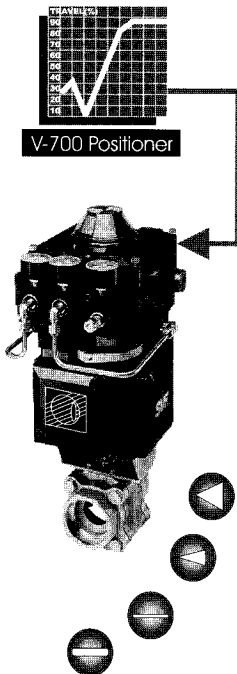
PRO-SPEC helps to improve the fundamental process economics by enabling companies to design and operate their processes closer to True Potential.

It allows process engineers to build flow control systems exactly as designed. Flow rates, materials, end connections and on-time delivery along with full automation capabilities makes PRO-SPEC the ideal choice for new and existing systems.

Design Assistance

New and existing process systems can benefit from PRO-SPEC. Advances in seat materials to handle steam to cryogenic, characterized seats for control service and a full selection of materials offer process engineers the ability to upgrade an existing system or create a state-of-the-art system right from the start.

PRO-SPEC design manuals serve as a complete guide to the selection of materials, end connections, pressure and temperature limits, flow characteristics and an innovative selection of options not found in most manufacturers offerings.



How to Create the Right Valve for Your Application

SVF ball valves and controls are built to the rigorous industrial standards governing pressure-containing devices. Creating the ideal valve specification includes a full disclosure of the application media such as,

Fluid (clean, viscous, liquid or gas, aggressive, flammable etc.)
Flow Rate (critical flow? regular or full port, continuous control etc.)
Pressure / Temperature (Max/Min)

From this information SVF engineers will assist with the development of a complete valve specification.

Materials

Brass
Carbon Steel
Stainless Steel
Alloy 20
Hastelloy(B/S)
Monel(B/S)

Size Range

1/4" to 10"

End Connections

Screwed End
Socket Weld
Butt Weld
Tube OD Butt Weld
Tri-Clamp
Extended Tube OD
ANSI Flanged
Tank Bottom
Compression Ends
Specialty End
Configurations

Seats

Teflon
Reinforced Teflon
NRG (Steam Seat)
Delrin(Abrasion)
VX1
UHMWPE
PEEK
Metal Seats
Characterized V seats

Body Seals

Buna "N"
Neoprene
EPR, EPDM
Viton
Teflon
TFE Coated Stainless
UHMWPE
Graphoil

Actuator Options

Manual Operators

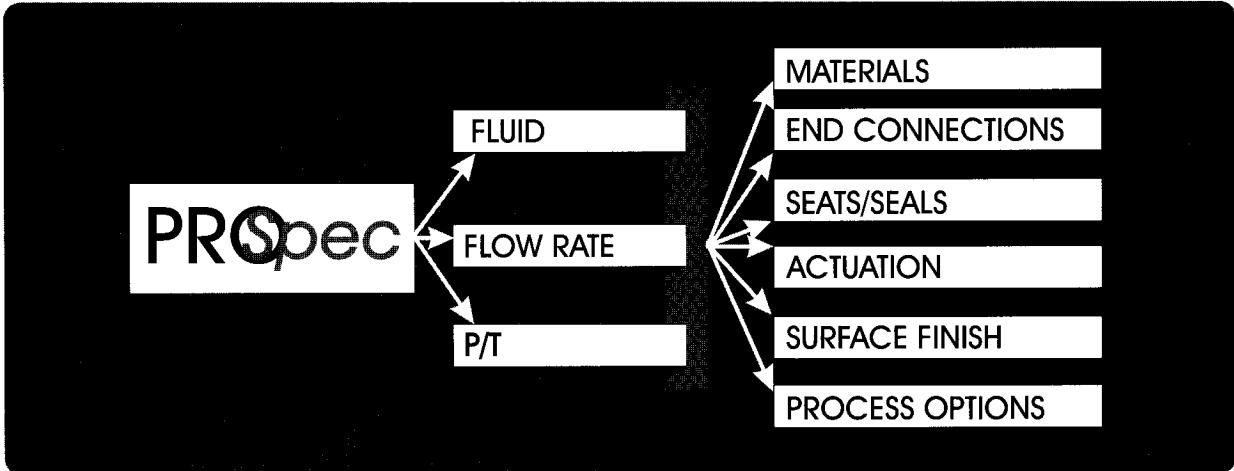
Locking Handles
Oval Handles
Spring Return Handles
Fusible Fire Links
Stem Extensions
Gear Operators

Actuators & Controls

Pneumatic
Double Acting or
Spring Return

Electric Actuators

Limit Switches
Pilot Valves
Positioners
Batch Controls
Fire Sensor Shutoff
System



Typical procedure for creating process-specific valves and control packages.

Finish

Standard Machined
 Mechanical Polishing
 Ra
 Electro-polishing
 Oxygen Cleaning
 Class 100 Cleaning
 and Bagging

Compliance Standards

ISO-9000
 ANSI
 ASTM
 MSS
 API
 DIN
 NACE
 Chlorine Institute
 SEMASPEC
 Association of
 American Railroads

System-Specific Options

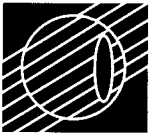
Steam Jackets
 Tank Bottom
 Vacuum Stem Seals
 Chlorine Service
 Diverter Port
 Characterized Seats
 Steam Isolation
 Fugitive Emission Stem Seal
 Fire-Safe
 5,000 pound Hydraulics

Industries Served

Chemical Processing
 Petro-Chem
 Power
 Pulp & Paper
 Water Systems

Oil & Gas
 Refining
 Pharmaceuticals
 Semiconductors

Foods
 Beverages
 Safety Systems
 Fire Systems
 OEM Systems



SVF Flow Controls
I N C O R P O R A T E D

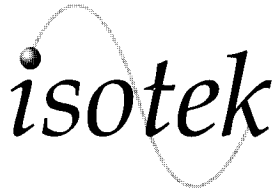
What do you need today?

Recognizing the Unique Needs of Industry

SVF Flow Controls offers the marketplace a collection of products and programs designed to suit the unique needs of the flow control industry.



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This program focuses on the unique requirements of the high-purity, pharmaceutical and semiconductor industries. Complete system analysis and material specifications are part of this industry-specific program.

CleanFlow

Clean-Flow is the marketing name for our high-purity line of ball valves. Products under this name are designed for pharmaceutical applications and feature high performance interior polishing, optional purge porting, extended tube -OD or tri-clamp ends and a complete actuation program.



An innovative product training program designed to promote creativity and expertise for users, engineers and industry consultants.

Customer Service HOTLINE 1-800-783-7836
Visit our website at www.SVFFlowControls.com