

**COPES-VULCAN**  
AN SPX BRAND

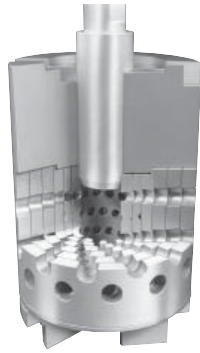


# Advanced Control Valve Technology

## HOW TO TRIM YOUR COSTS



RAVEN™ Trim



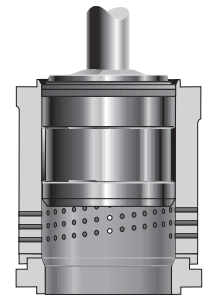
HUSH™ Trim



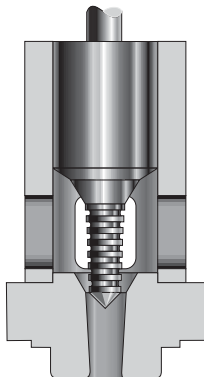
Soft Seated  
HUSH™ Trim



Tandem Trim



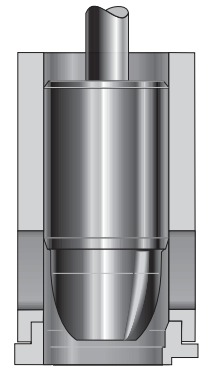
One Stage HUSH®



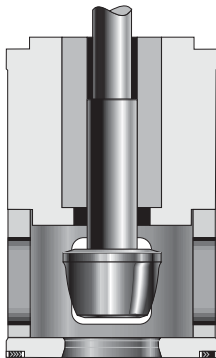
Cascade

Start with a valve that is matched to your application. Too much valve means you pay for features you don't need. Too little valve adds cost in terms of reduced performance and maintenance. With Copes-Vulcan you get just what you need, because we produce a wide range of valves and trim types. Our trim selection – Including Multi-Stage Hush and RAVEN custom trims, can be fitted to all of our globe valves and steam conditioning valves. Copes-Vulcan expertise assures you of the right valve for your application.

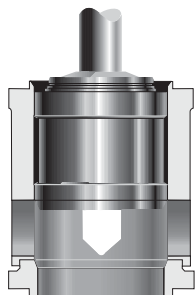
**We'll Help you Size up our Trims, and Trim down your Costs**



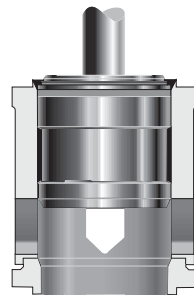
Unbalanced Single Seat  
Plug Throttling



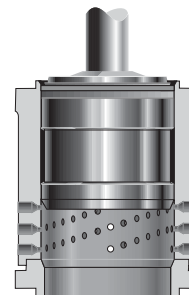
Top Guided



Unbalanced Single Seat  
Port Throttling



Balanced Single Seat  
Port Throttling




CAV B9®



GAD Trim

**SPX**®

|   |   |
|---|---|
|     | <h3 style="text-align: center;">SPECIAL APPLICATION GLOBE STYLE CONTROL VALVES</h3> <ul style="list-style-type: none"> <li>▪ General Service application</li> <li>▪ Severe Duty application</li> <li>▪ High turndown</li> <li>▪ .75 - 24" Sizes</li> <li>▪ 150 - 4500 ANSI Ratings</li> <li>▪ Special ANSI Ratings</li> <li>▪ Meets ASTM/ASME Standards</li> <li>▪ Threaded, Butt/Socket Weld, Flanged Ends</li> </ul>  |
|    | <h3 style="text-align: center;">STEAM CONDITIONING EQUIPMENT (DESUPERHEATERS)</h3> <ul style="list-style-type: none"> <li>▪ 7 Styles</li> <li>▪ Mechanical Atomizing</li> <li>▪ Variable Orifice</li> <li>▪ Integral Cooling Water function available</li> <li>▪ High turndowns</li> <li>▪ 150 - 2500 ANSI Ratings</li> <li>▪ Special ANSI Ratings</li> <li>▪ Meets ASTM/ASME Standards</li> </ul>  |
|    | <h3 style="text-align: center;">TRIM TYPES</h3> <ul style="list-style-type: none"> <li>▪ 13 types</li> <li>▪ RAVEN™</li> <li>▪ HUSH™</li> <li>▪ CAV B9©</li> <li>▪ One Stage HUSH™</li> <li>▪ Noise control</li> <li>▪ Cavitation elimination</li> <li>▪ Velocity &amp; Erosion control</li> </ul>  |
|    | <h3 style="text-align: center;">ACTUATORS</h3> <ul style="list-style-type: none"> <li>▪ Diaphragm Style. Model 700</li> <li>▪ Diaphragm Style. Model 1000</li> <li>▪ Manual Style 820</li> <li>▪ Electric available</li> <li>▪ Electro/Hydraulic available</li> <li>▪ Piston</li> <li>▪ Reverse acting</li> <li>▪ Direct acting</li> </ul>  |
|    | <h3 style="text-align: center;">NUCLEAR CONTROL VALVES</h3> <ul style="list-style-type: none"> <li>▪ Pneumatic, Motor, Manual Operators</li> <li>▪ Metal &amp; Resilient Seats</li> <li>▪ Widest Selection of Trim in the Industry</li> <li>▪ Globe, Angle, Isolation &amp; Three Way Body Configurations</li> <li>▪ Size Range: 3/8" - 20" class 150 - 2500</li> <li>▪ ASME Section III "N" &amp; "NPT" Stamp Certified</li> </ul>   |
|   | <h3 style="text-align: center;">NUCLEAR HIGH PERFORMANCE BUTTERFLY AND BALL VALVES</h3> <ul style="list-style-type: none"> <li>▪ Bi-Directional Class VI Shut off</li> <li>▪ Metal &amp; Resilient Seats</li> <li>▪ Torque Seated/Position Seated (Butterfly only)</li> <li>▪ Pneumatic, Motor, Manual Operators</li> <li>▪ Modulating or Isolation</li> <li>▪ Two &amp; Three Piece Ball Valve design</li> <li>▪ ASME Section III "N" &amp; "NPT" Stamp Certified</li> </ul> |
|  | <h3 style="text-align: center;">AFTERMARKET AND REFURBISHMENTS</h3> <ul style="list-style-type: none"> <li>▪ Reduce Outage Cycle Times</li> <li>▪ Maximize Years/Life Cycle</li> <li>▪ Recondition the OEM parts, while minimizing lead times and costs.</li> </ul>   |

Common Applications: Power, Pulp & Paper, Water, Oil & Gas, Petrochemical.  
 Manufacturing Standards: Certifications - ISO-9001, ASME SECTION III "N" & "NPT" Stamps, ASME SECTION I "S" Stamp, CSA-Z299.2, .3 & .4, 97/23/EC-PED-CE



**FLOW CONTROL**

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For more information about our worldwide locations, approvals, certifications, and local representatives, please visit [www.spxfc.com](http://www.spxfc.com).

SPX Corporation reserves the right to incorporate our latest design and material changes without notice or obligation.

Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing.

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