

OPTIONS

Vented Valves

2-way straight pattern valves

When the valve is closed, the downstream port vents to atmosphere through a vent hole in the side of the valve body.

2-way angle pattern and 3-way valves

When the valve is closed, the bottom port vents to atmosphere through a vent hole in the side of the valve body.

To order, insert **V** after the valve series in the Ordering Number. Example: SS-43VS4

NOTE: Pressure rating for vented valves is reduced to 500 psig (34 bar).

Handles

Factory assembled Nylon

Black is standard. For other colors, add designator **-RD** (red), **-BL** (blue), **-GR** (green), **-YW** (yellow), or **-OG** (orange) as a suffix to the valve Ordering Number. Example: SS-43S4-RD



Stainless steel bar

Add **-SH** as a suffix to the valve Ordering Number. Example: SS-43S4-SH



Aluminum bar

Add **-BKB** as a suffix to the valve Ordering Number. Example: SS-43S4-BKB



Oval (2, 3, and 4-way)

Add **-K** as a suffix to the valve Ordering Number. Example: SS-43S4-K
Not available for field assembly

Handle Kits (include handle and set screw)

Valve Series	Nylon Handle Basic Ordering Number ^①	Stainless Steel Bar Handle Ordering Number	Aluminum Bar Handle Ordering Number
41, 41-A, 41X, 42, 42-A, 42X	BZ-5K-42	SS-5K-42B	A-5S-42B-BK
43, 43-A, 43X, 43Y	BZ-5K-43	SS-5K-43B	A-5S-43B-BK
43Z	BZ-5K-43Z	—	A-5S-43ZB-BK
44, 44-A, 44X	BZ-5K-44	SS-5K-44B	A-5S-44B-BK
45, 45-A, 45X, 45Y	BZ-5K-45	SS-5K-45B	A-5S-45B-BK

^①For a complete Ordering Number add the color designator **-BK** (black), **-RD** (red), **-BL** (blue), **-GR** (green), **-YW** (yellow), or **-OG** (orange) to the Basic Ordering Number. Example: BZ-5K-42-RD.
(bronze insert included in handle)

Valves Assembled Without Lubrication

40 series ball valves assembled without lubricant are specially cleaned and packaged to Swagelok specification SC-11 and are adjusted and tested for 200 psig (13 bar) service. Brass valves are assembled with stainless steel rings and discs. To order, add **-1466** as a suffix to the valve Ordering Number. Example: SS-43S4-1466.

Sour Gas Service

Materials for wetted valve components are selected in accordance with NACE Standard MR0175 for sulfide stress cracking resistant materials. Add **-SG** as a suffix to the valve Ordering Number. Example: SS-43S4-SG.

Directional Name Plates

Directional name plates indicate the direction of flow through a valve. A matte surface accepts ink or labels. Contact your Authorized Swagelok Sales and Service Representative for ordering information.

Optional Stem Drillings

40 series ball valves are available with a variety of stem drillings to accommodate many special applications. For more information, see *40 Series Special Ball Drilling Selection Guide*, MS-02-30.

IMPORTANT INFORMATION ON PACKING ADJUSTMENT

- Packing in 40 series ball valves is factory adjusted for service at 1000 psig at 70°F (68 bar at 21°C). Packing *must be readjusted* for service at other pressures.
- Packing in 43Y6, 43Z, and vented 40 series ball valves is factory adjusted for the maximum valve rating of 500 psig at 70°F (34 bar 21°C).
- Readjustment requires some disassembly and incremental turning of the packing bolt until a leak-tight seal is achieved. Detailed instructions are included with every valve.
- 43 series ball valves require use of a special hex adapter to adjust the packing bolt. Use Ordering Number MS-WK-43.
- Packing adjustment on all other 40 series ball valves can be made with standard wrenches.
- Valves exposed to dynamic temperature conditions before installation may lose their initial packing load. Packing adjustment may be needed for service at other pressures.

Safe Component Selection

When selecting a component, the total system design must be considered to ensure safe, trouble-free performance. Component function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user.

Caution: Do not mix or interchange parts with those of other manufacturers.



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VCR, VCO - TM Swagelok Co.
17-4PH - TM Armco Steel
Swagelok, Whitey, Cajon - TM Swagelok Co.

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