



# Budenberg



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## MODEL: MVS

The model MVS is a three piece modular valve that can be readily configured into a full range of Single or Double Block & Bleed Valves that provide primary isolation when directly mounted onto process pipework or vessels. The MVS provides an industry standard flanged inlet connection and a screwed vent and outlet connection to suit any instrumentation or take off requirement.

The central body of the MVS is available in any combination of Ball, Heavy Duty Needle or OS&Y Isolation to which industry standard flanged, hub and screwed end connections are bolted. The design of the end connections incorporate the detail that directly secures the Ball Assembly in position thereby ensuring a single piece of material up to and including the first Primary Isolation Valve

The modularity of the MVS therefore provides a cost effective yet limitless choice of configurations and materials that make it the perfect choice for your primary isolation requirements. All units can be supplied with a full range of testing, certification and documentation to meet any project requirement

### Construction

Three piece modular construction comprising of a central body housing all the valve assemblies on to which a choice of flange, hub end or screwed connections are bolted

### Configurations

Single Block                      Single Block & Bleed  
Double Block                    Double Block & Bleed

\* Optional Quills and Check Valves can be integrally fitted into the units for Injection or sampling applications

### Inlet

Type MVS units can be manufactured with any flange type including:

- \* ANSI B16.5 Flanges from 1/2" to 4" in ratings from 150 to 2500 lbs in RF, FF, SRF and RTJ
- \* API Flanges up to 2.1/16", 3000, 5000 & 10,000 lbs
- \* Hub End connections including Techlok, Norsok, Graylok etc
- \* ECON 4500 range of Flanges

### Outlet

1/2" to 2" screwed outlets to ANSI / ASME B1.20.1  
Socket Weld and Butt Weld outlets are available but may be extended to protect internal components within the valve head assembly. All outlet connections are secured to prevent accidental dis-assembly

### Vent

Standard Vent connection is 1/2" NPT f screwed connection but this can be changed to suit the customer requirement

### Bore Sizes

The through bore of the unit is dependant upon the type of valve selected for the Primary and Secondary Isolation Valves  
The vent valve is offset from the main bore and therefore can be of a different style and bore.

Ball Valves Bore - 10 mm, 14 mm and 20 mm

## MODULAR DOUBLE BLOCK & BLEED VALVE



### Ball Valve Assemblies

Fully Floating Ball Valve Assemblies with cavity relief through the seats. Seat material is PTFE as standard and PEEK™ as an option

### Needle & OS&Y Valve Assemblies

Both Heavy Duty Needle & OS&Y Valve Head Assemblies both incorporate a full range of features including:

- \* Anti static , anti blow-out stems
- \* Self centring, non-rotating stem tips provide a true metal to metal valve seat whereby the material of the stem tip is one grade harder than the body thus resisting over tightening, preventing wear and guaranteeing a 100% bubble tight seat closure, first time, every time
- \* Seats can be hard faced with a choice of materials including Stellite and Tungsten

### No Threads in the process stream

All Ball, Needle & OS&Y valve assemblies incorporate a 'soft' parent metal sealing rings that are located directly below the head and connection adaptors to ensure that no threads are directly in the process stream

### Stem Packing

Fully adjustable, dynamically responsive multi ring gland sandwich', in either PTFE or Graphoil, resist all operating pressures and processes. Budenberg offer 100% gland integrity for the lifetime of every valve

### Other Features

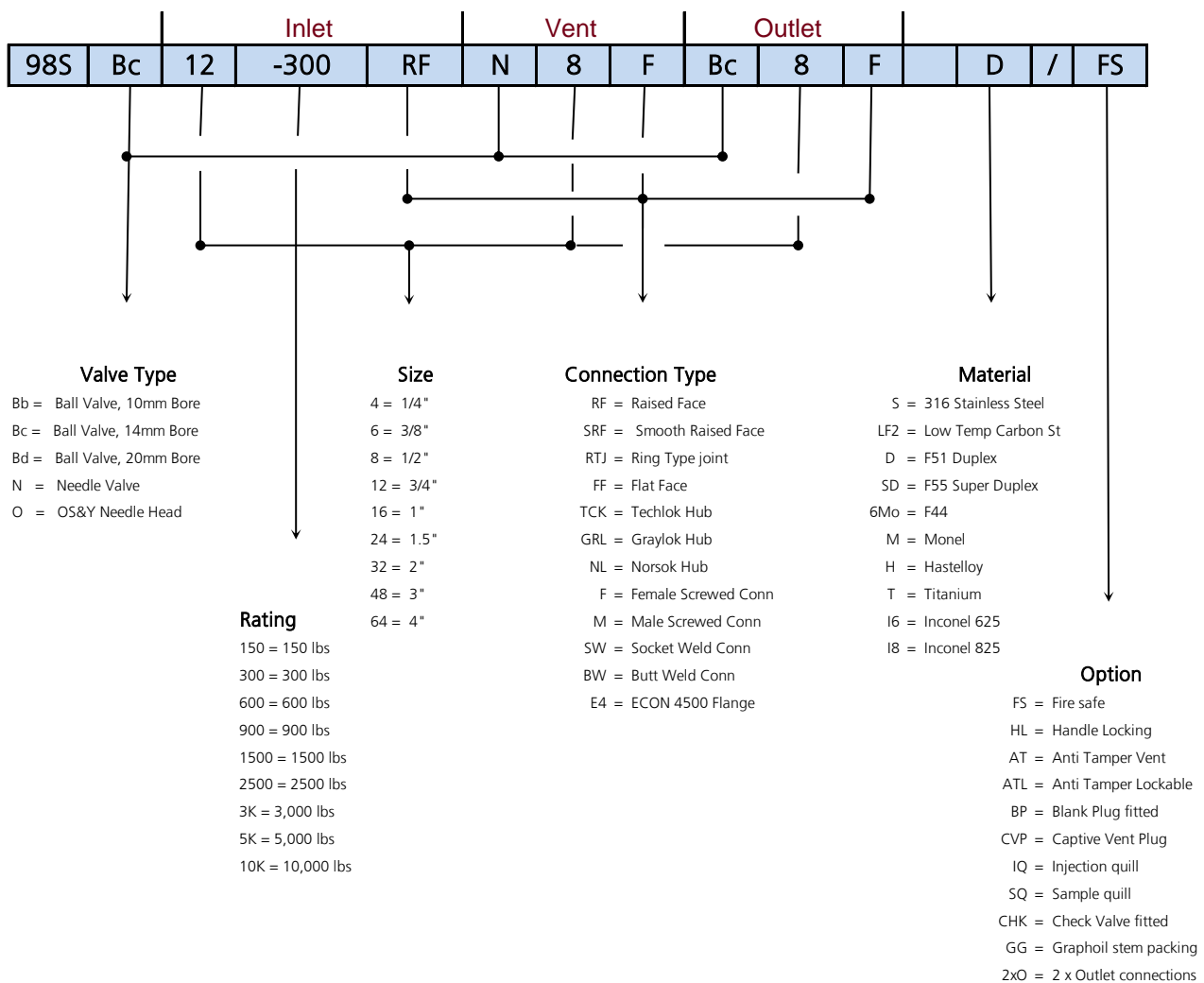
- \* Hydro static and or Gas Pressure Testing to BS 6755 Pt 1
- \* Fire safe to BS 6755 Pt 2
- \* Material thickness as defined in ANSI / ASME B16.34
- \* Flange Dimensions as defined in ANSI / ASME B16.5
- \* Standard Material Certification to EN 10204 3.1b
- \* Can be manufactured in a full range of standard and special materials to suit the application
- \* Full range of user selectable options i.e. Handle Locking

# How to specify Type MVS DBB Valves .

The part number is compiled from a series of generic and alphanumeric codes that define the base unit and options. The structure of the part number is compatible with other ranges of Budenberg Valves and follow the definition of the valve by defining the Primary Isolation Valve, Vent Valve and the Secondary Isolation Valve in sequence thereafter the material and options are then defined

Typical definition:

DBB Valve, flanged inlet, screwed outlet, needle valve vent, 14mm bore isolation valves  
3/4" NB 300 Raised Face Flange, 1/2" NPT outlet, F51 Duplex Body, Firesafe



- 1) The above is merely representative of standard configurations and options. For other options, configurations or materials contact our sales department
- 2) Bore sizes relate to the primary and secondary isolation valves only and not the vent valve.
- 3) Socket and Butt weld connections may be extended to protect valve internals that may be subject to excessive heat during the welding process
- 4) Valves may be subject to a wide range of protective finishes and painting processes as defined by the project. Please contact our sales department to discuss.

Specifications and dimensions in this leaflet, are subject to change without prior notice.