

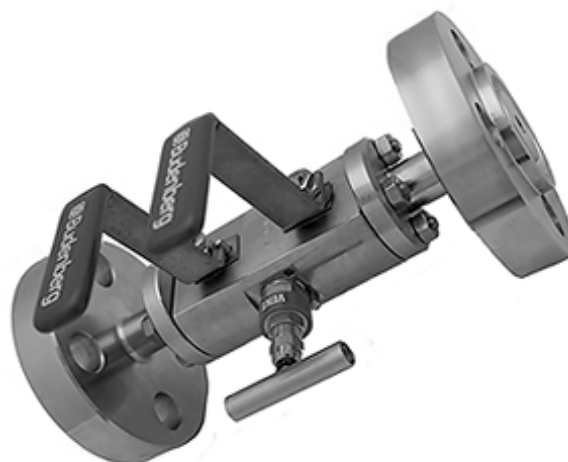
PRIMARY ISOLATION VALVES MODULAR CONSTRUCTION



The model MVF 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 MVF has industry standard flange or hub flanged inlet and outlet connections and a screwed or flanged vent connection to suit any application requirement.

Its modular design enables units to have flanged ends of different types, sizes, ratings and materials to be cost effectively manufactured. 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 in line with the necessary standards

The flexibility of the MVF Valve 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 requirements



Construction

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

Configurations

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

- * Optional Check Valves can be fitted into the inlet or outlet
- * Optional Quills can be fitted into the inlet for Injection or sampling applications
- * Other configurations can be supplied to suit any existing or new application requirements

Inlet & Outlet

- The flanged end connections can be of different types, sizes, ratings and materials including, but not restricted to
- * 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

Flange sizes and thicknesses can be specially provided to ensure that the required valve will exactly fit into the space occupied by any existing valve

Vent

Standard Vent connection is 1/2" NPT f screwed connection but this can be changed to offer other connections including a flange if required. Flange choices are defined above.

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 - 10 mm, 14 mm and 20 mm

Standard Features

Ball Valve Assemblies

Fully Floating Ball Valve Assemblies with cavity relief through the seats.

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

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

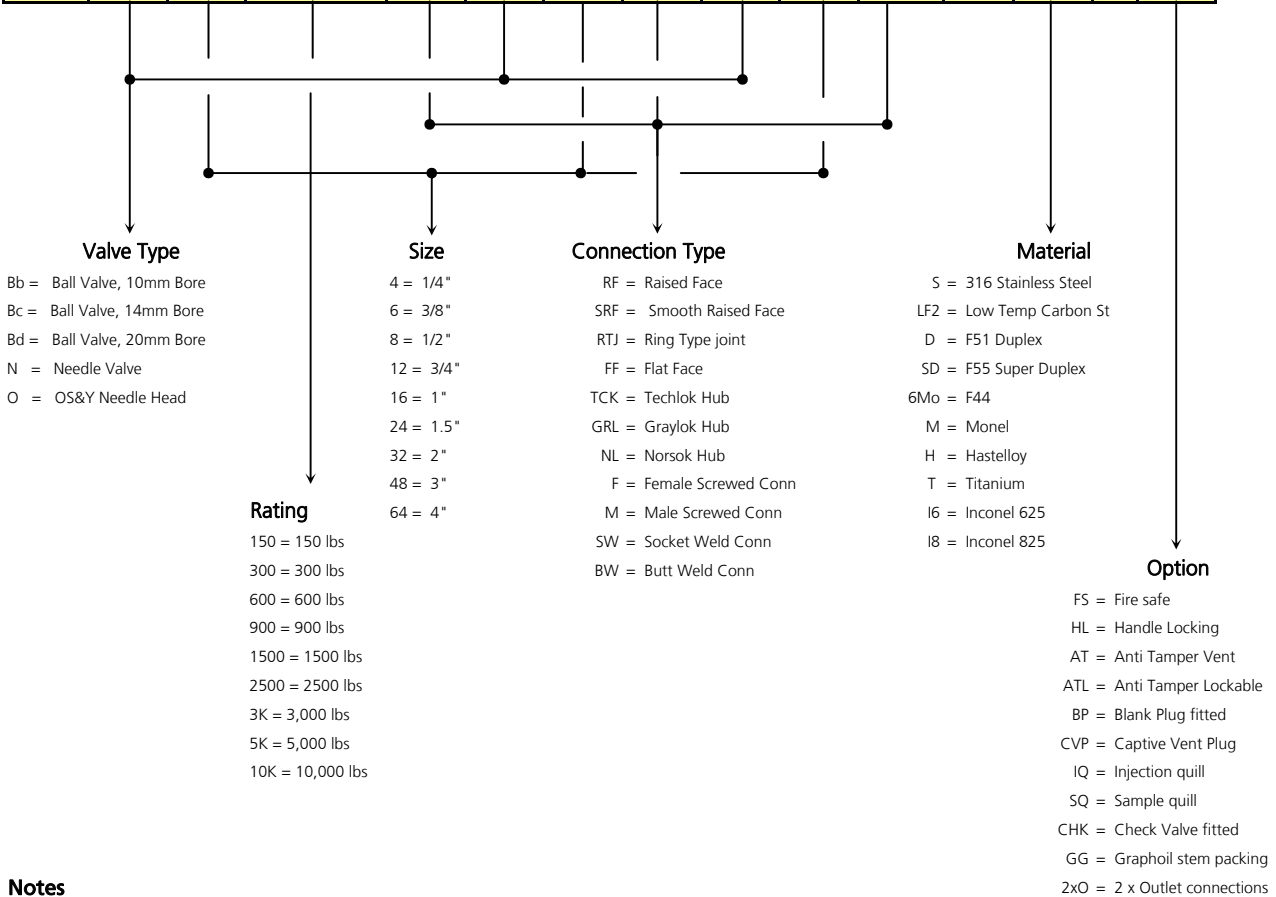
How to specify Type MVF DBB Valves.

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 range 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, flange process inlet, flange outlet, needle valve vent, 20mm bore primary and secondary isolation valves, 2" NB 600 RF x 1" 150RF Flange, 1/2" NPT vent. Body construction ASTM A182 LF2 Low Temperature Carbon Steel, with Blank Plug

MVF	Bd	32	-600	RF	N	8	F	Bd	16	-150	RF	LF2	/	BP
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Notes

- 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.

Budenberg Gauge Co Ltd
 4 Gilchrist Road. Northbank Industrial Park. Irlam. Manchester. M44 5AY.
 Tel : +44 (0)870 442 5441. Fax : +44 (0)870 787 7350.
 Email : sales@budenberg.co.uk Web: www.budenberginstruments.com