



MODEL MVF

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 requirement

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
- * ECON 4500 range of Flange connections

Vent

Standard Vent connection is 1/2" NPT f screwed connection but other connections including flange options are available

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 Valve Bore - 10 mm, 14 mm and 20 mm

Materials

Units manufactured from forgings or forged barstock to meet the individual specification requirements. Standard Materials include: 316 St St, LF2 LT C.S, F51 Duplex, 6Mo 25% Cr but the full range of exotic materials can be available

MODULAR DOUBLE BLOCK & BLEED VALVE



Ball Valve Assemblies

Fully Floating Solid all 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

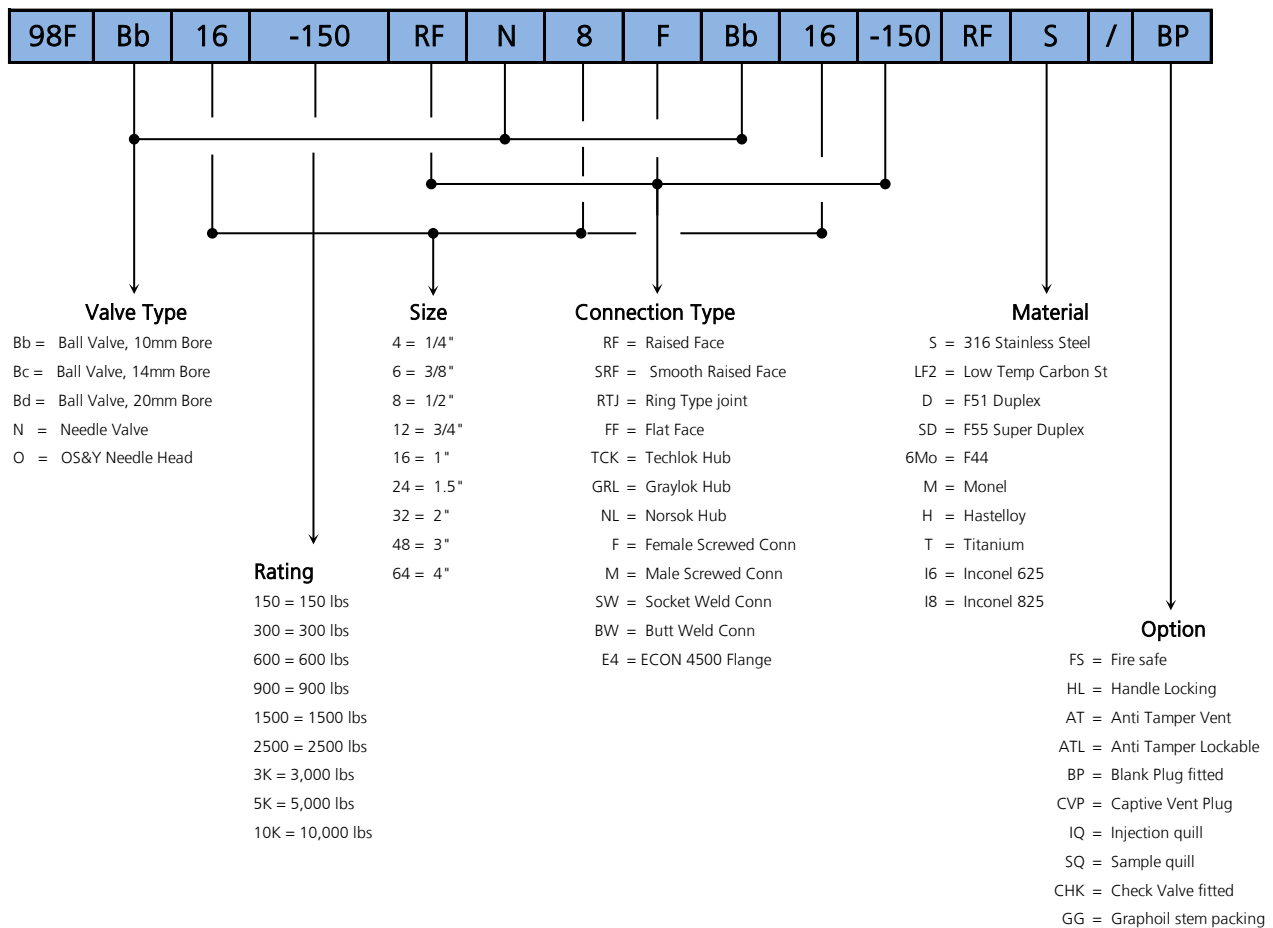
- * Hydro static and or Gas Pressure Testing to BS 6755 Pt 1
- * Fire safe to BS 6755 Pt 2, ISO 10497, API 607
- * Material thickness as defined in ANSI / ASME B16.34
- * Flange Dimensions as defined in ANSI / ASME B16.5
- * Standard Material Certification to EN 10204 3.1b
- * Can be manufactured in 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, 1" 150RF Flanged inlet and outlet flange process inlet, 1/2" NPT needle valve vent, 10mm bore, ASTM A182 F316 Stainless Steel Body, fitted with blank plug



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) 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.