



MODEL: 98S

The model 98S comprises of a full range of Single or Double Block & Bleed Valves that provide primary isolation when directly mounted onto process pipework or vessels. The 98S provides an industry standard flanged inlet connection and a screwed vent and outlet connection to suit any instrumentation or take off requirement.

The type 98S is available in a multitude of configurations including Single Block, Double Block or Double Block and Bleed incorporating Budenberg Heavy Duty Needle Valves, OS&Y Isolation Valves or fully floating Ball Valve Assemblies as detailed in additional Datasheets

In addition, the 98 series offers a virtual limitless array of options and materials that make it the perfect choice for your primary isolation requirements. All units are wholly designed and manufactured by Budenberg Ltd and can therefore be supplied with a full spectrum of certification, testing and documentation to meet any project requirement.

Construction

Integrally forged one piece body to give superior grain flow around the flange / body area providing exceptional strength

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 98S 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
All outlet connections are secured to prevent accidental dis-assembly. Dual outlet connections can be provided to comply with MESG configurations

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 Valve Bore - 10 mm, 14 mm and 20 mm

FORGED 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

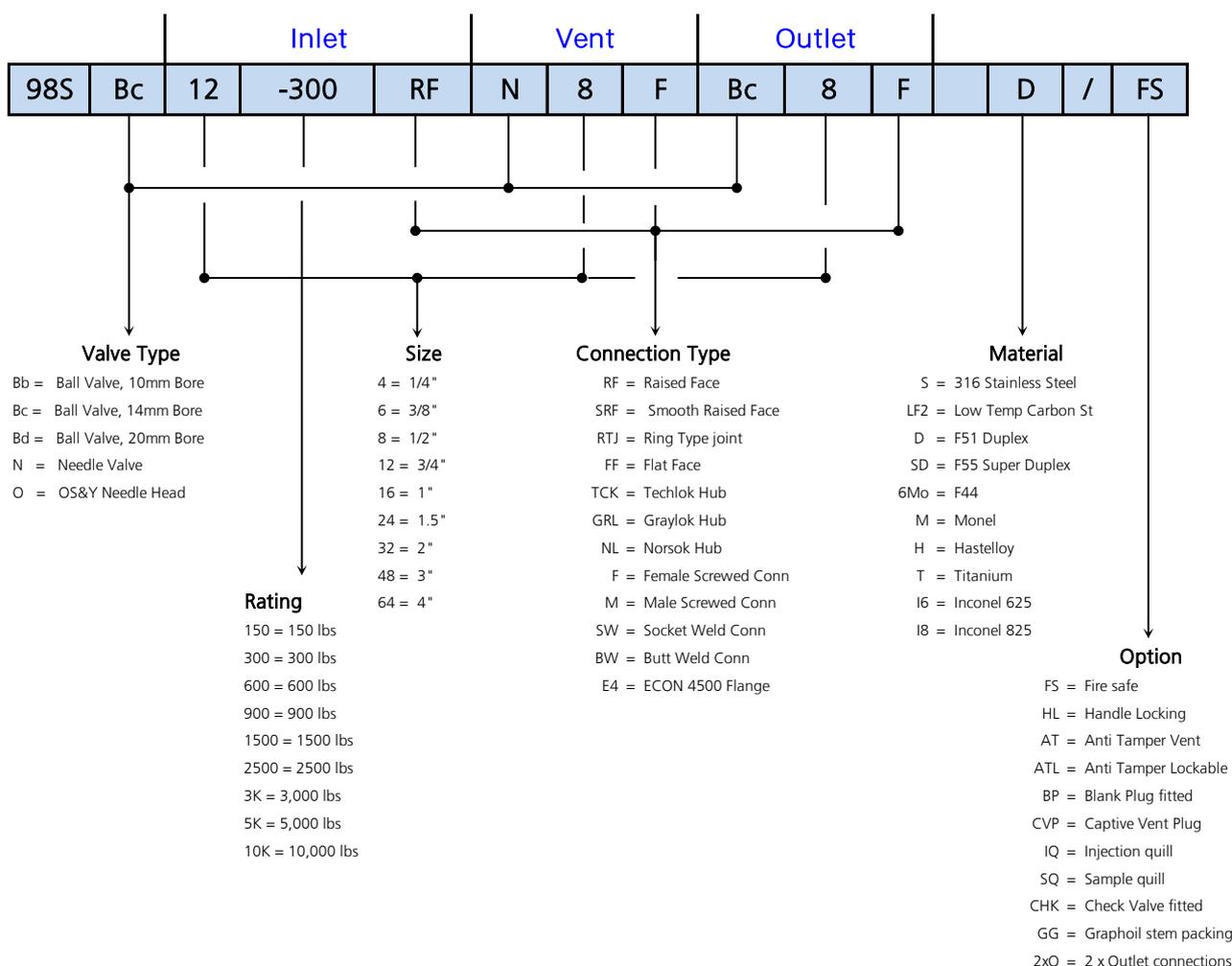
- * Hydro static and or Gas Pressure Testing to BS 6755 / API 598
- * Fire safe to BS 6755 Pt 2, ISO 10497, API 607
- * Material thickness as defined in ANSI / ASME B16.34
- * Flange Dimensions as defined in ANSI / ASME B16.5
- * Standard Material Certification to EN 10204 3.1b
- * Can be manufactured in a full range of standard and special materials to suit the individual application
- * Full range of user selectable options i.e. Handle Locking

How to specify Type 98S 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



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.