



MODEL 6B

The Model 6B range of Ball Valves have been designed to the highest standards and incorporate many features that are usually found in higher specification process valves.

Designed around a super finished solid Ball that floats between self cavity relieving seats that provide a dynamic response to fluctuating process pressures. This ensures a gas tight, leak proof seal under all operating pressures and temperatures

Utilising a two piece body design immediately reduces thread leak paths by 50% whilst its high strength adaptor threads combined with a "soft" parent metal seal to give closure thread protection thereby ensuring environmental safety

In common with all Budenberg Needle Valve products, the 6B incorporates a full range of standard features that include: inherent fire safe design, anti static, anti blow out stems, multi-stage 'dynamic' stem packing as well as a wide range of configurations and options.

Ball Valve Construction.

Body

Two piece body with soft parent metal seal.
316 Stainless Steel as standard but other materials available

Stem

Anti Static, anti blow out stems

Stem Packing

Multi stage dynamically responsive Stem packing
PTFE - 240 Deg C max operating temperature
Graphoil - 400 Deg C max operating temperature

Ball Assembly

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

Bore Sizes.

10mm, 14mm, and 20mm..

Standard Connection Sizes.

1/4", 3/8", 1/2", 3/4" 1" NPT Female x Female

1/4", 3/8", 1/2", 3/4" 1" NPT Male x Female

Other thread sizes and connection types i.e. Butt and Socket welds are available.

Pressure.

6000 psi CWP in accordance with ASME/ANSI Class 2500
Guaranteed 4 times factor of safety at Class 2500.

Operator

1/4 Turn Lever Handle as standard,
Lockable, Spanner Actuated and Extended Lever available

BALL VALVE - PROCESS INDUSTRY



Ball Valve Features.

- * Fully engaged rolled body / adaptor threads provide protection from process media by a metal body / bonnet seal seal
- * Super finished floating ball within dynamic, PTFE seats with in built cavity relief
- * Anti static, anti blowout stems
- * Two piece construction ensures no leak points prior to isolate. isolate.
- * Guaranteed 4 times factors of safety at Class 2500.
- * Conformance to ASME B31.1.

Options.

Model 10B with 10,000 psi maximum working pressure
Multi way versions including 'T' port and 'L' port variants
Choice of Operator Handles including lockable type
Full range of connections and materials

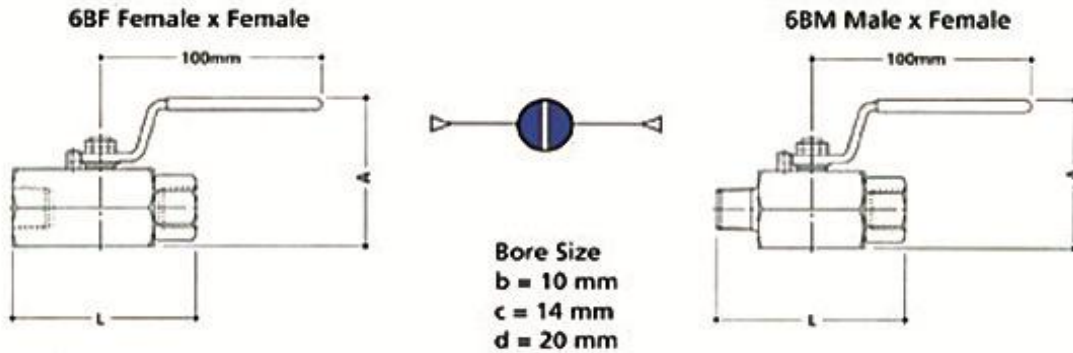
Certification available.

BS EN 10204 3.1B Material certification.
Test Certificates including Pressure, Gas, Hydrostatic etc
Full range of NDE Test Certification
Fire Safe Certification to BS 6755 Pt 2

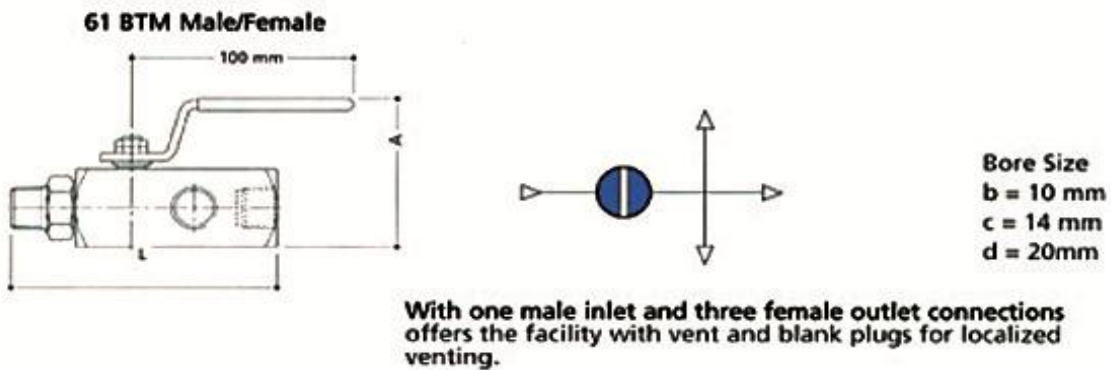
NACE

Wetted Parts comply to NACE MR 01-75 as standard

Single Isolation Valve



Gauge Multi Port Valve



Single Isolating Valve		Female x Female		
Model No		L	A	Weight
6 BbF44	1/4" Female x 1/4" Female	70mm	54mm	0.6kg
6 BbF66	3/8" Female x 3/8" Female	70mm	54mm	0.6kg
6 BbF88	1/2" Female x 1/2" Female	83mm	54mm	0.6kg
6 BcF12F12	3/4" Female x 3/4" Female	99mm	57mm	0.7kg
6 BcF16F16	1" Female x 1" Female	122mm	90mm	1.4kg

Single Isolating Valve		Male x Female		
Model No		L	A	Weight
6 BbM44	1/4" Male x 1/4" Female	76mm	54mm	0.6kg
6 BbM66	3/8" Male x 3/8" Female	76mm	54mm	0.6kg
6 BbM88	1/2" Male x 1/2" Female	76mm	54mm	0.6kg
6 BbM1212	3/4" Male x 3/4" Female	111mm	57mm	0.7kg
6 BbM1616	1" Male x 1" Female	137mm	90mm	1.6kg

Gauge Multi-Port Valve				
Model No		L	A	Weight
61 BbTM88	1/2" Male x 1/2" Female (3)	119mm	54mm	0.7kg
61 BbTM12B	3/4" Male x 1/2" Female (3)	127mm	54mm	0.7kg

Options

10,000 Psi option available prefix by 10 i.e 10B
 Blanking / Vent Plug

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