

SAFELOK™

Block and Bleed Valves



Lifetime Guarantee



One of the most comprehensive component design and manufacture packages available today to the Oil and Petrochemical Industry is offered by Safelok Components.

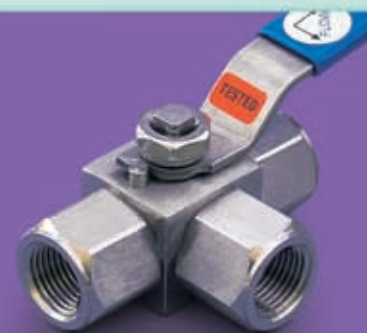
Harnessing the demands of the industry for Total Quality Management (TQM), the Safelok indigenous quality philosophy provides a range of Valves and Instrumentation Fittings finished to the highest standards.



Also ideal for other industrial applications, where significant opportunities exist for component replacement and enhancement. Construction material specification includes Stainless Steel, Aluminium Bronze & Carbon Steel. A variety of alternative exotic material specifications are available eg. Monel, Hasteloy, Incoloy and Titanium.



Maintaining their TQM practices throughout the manufacturing process, Safelok ensure all materials utilised in the completion of major components are traceable. Copies of the original mill certificates are retained for future reference.



All products are manufactured in compliance with ISO 9002 / EN 29002 / BS 5750 PART2
Safeloks capabilities also extend to Instrumentation Procurement Packages for major Oil Companies and the Construction Industry, both in the United Kingdom and throughout the world.

SAFELOK™

SAFELOK is a trade mark of Safelok Components Limited



BRITISH DESIGN AND MANUFACTURE





SAFELOK LIMITED is housed in a modern factory in Wigan, Lancashire, England. An area renowned for its manufacturing skills. It is also ideally situated to all major motorway networks and Manchester International Airport.

One of the most comprehensive component design and manufacture packages available today to the Oil and Petrochemical Industry is offered by Safelok Components.

Harnessing the demands of the industry for Total Quality Management (TQM),

the Safelok indigenous quality philosophy provides a large range of Valves and Instrumentation Fittings to the highest standards to meet the ever increasing demand of the industry.

Safelok Products are available in the following materials:-

Stainless Steel - Inconel 625 - Monel - Incoloy 825 - Hasteloy - Aluminium Bronze - Carbon Steel.

All products are manufactured in compliance with ISO 9001 - 2008.

Safelok is aware of its environmental commitments and all manufacturing procedures conform to ISO 14001 - 2004.



Quality Assurance Certificate
ISO 9001:2008



Environmental Certificate
ISO 14001:2004



Firesafe Certificate

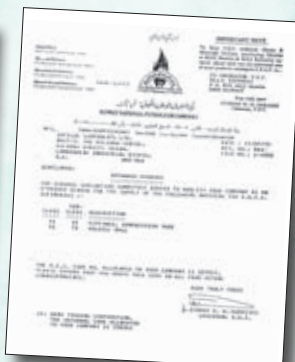


Design Certificate

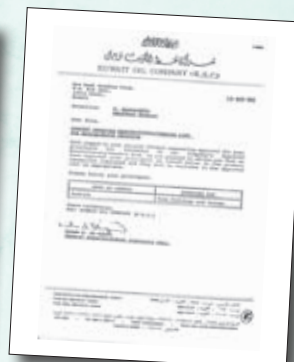
APPROVALS



ARAMCO



Kuwait NPC



Kuwait Oil Company



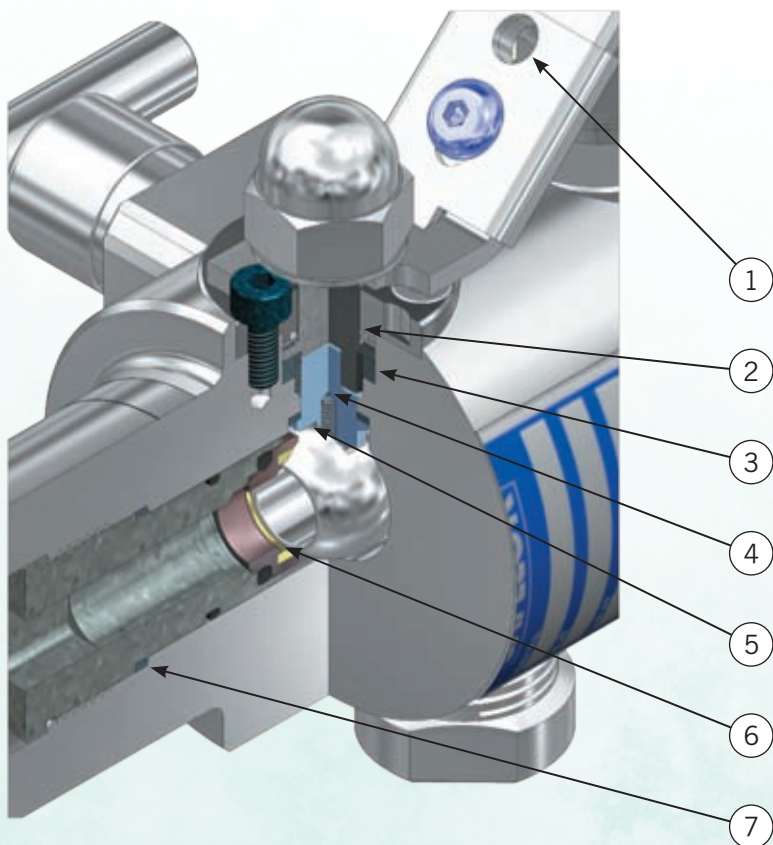
Abu Dhabi Company for
Onshore Oil Operations
(ADCO)

Safelok products have serviced the industry for over 25 years and we are proud of our achievements in acquiring many accreditations.

BALL VALVE SPECIFICATIONS

Safelok's ball valves are designed to meet with the Zero Emissions Compliance now preferred by leading Oil and Gas companies throughout the world.

Precision manufactured with super finished components for high performance and long life incorporating pioneering design features and proven technology.



Features and Benefits

1. Lockable stainless steel handles fitted as standard to suit a 5mm hasp padlock.
2. Self compensating firesafe linear face seals for zero emission operation for the life of the valve.
3. Cup and cone stem seals for low torque operation and high pressure containment.
4. Blow out proof two piece stem.
5. Anti-static facility incorporated into the design.
6. Fully encapsulated ball seats to alleviate seat extrusion allow higher working pressures.
7. Backup Grafoil firesafe body and stem seals fitted as standard.

This ball valve is used through out the range of Double Block and Bleed, Single Block and Bleed and Block valves illustrated within this catalogue in various forms and size ranges from standard 10mm bore size up to 2" full bore.

Large bore high pressure applications can be supplied in a trunnion mounted ball design to reduce operational torque.

Pressure rating up to 10,000 psig (680 bar) and temperature rating from -50°C to +240°C.

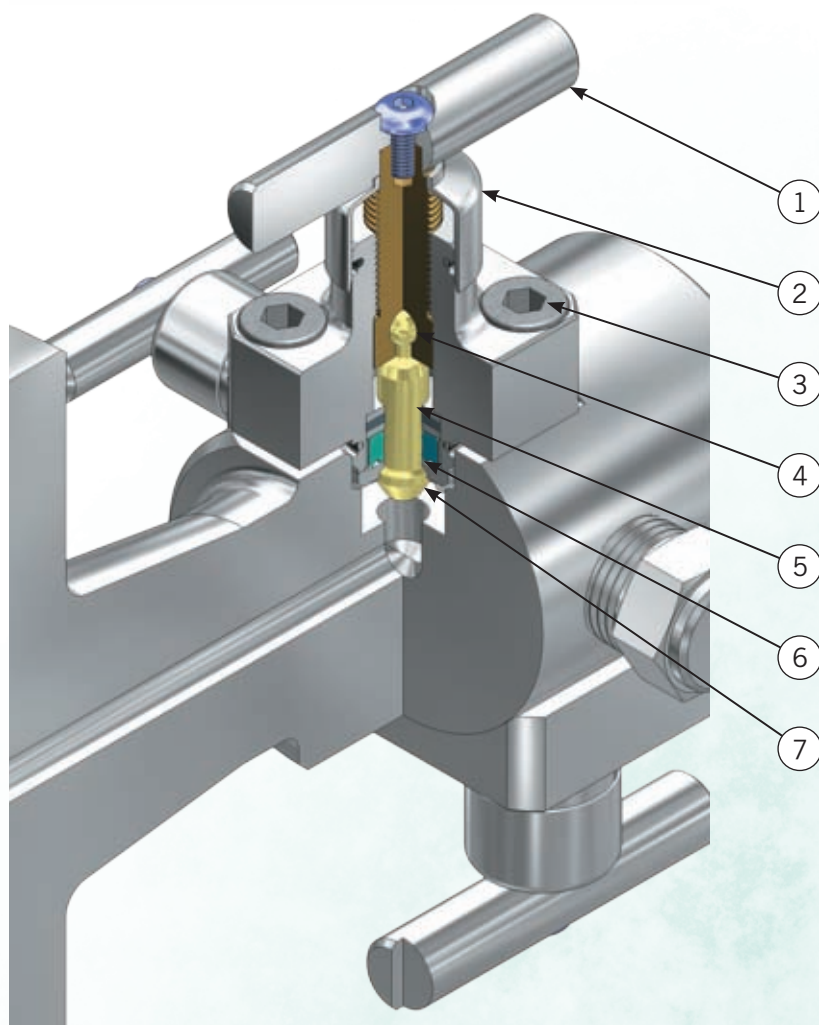
Independently tested and certified to Firesafe standards BS EN ISO 10497, API 607 and API 6FA.

NEEDLE VALVE SPECIFICATIONS

Safelok's Bolted Bonnet Needle Valves are designed to meet with the Zero Emissions Compliance now preferred by leading Oil and Gas companies throughout the world.

The revolutionary design of the valve means that it has automatic dynamic gland adjustment and is guaranteed for life against leakage.

This is possible by being precision manufactured with super finished components for high performance and long life incorporating pioneering design features and proven technology.



Features and Benefits

1. Stainless steel Tee bar handle engages directly with actuating stem and designed to prevent damage due to over torquing the valve.
2. Stainless steel Cap with seals to prevent the ingress of dust or corrosive media that could damage the actuating threads on the stem.
3. Four high tensile screws fasten the bonnet to the body thus creating the necessary safety factor in case of over pressurization of the valve assembly.
4. Stem and Needle knuckle joint above the gland to prevent either washout or contamination of the media. Gives a low torque operation of the valve and smooth linear operation of the needle.
5. Grafoil backup firesafe stem seals that are not contaminated with the media.
6. Dynamic pressure generated stem gland with preset loading for long life efficient operation.
7. Metal to metal firesafe sealing of the bonnet to body joint.

The Bolted Bonnet N08 Needle valve is used through out the range of Double Block and Bleed and Single Block and Bleed valves illustrated within this catalogue as a vent valve with a standard 5mm orifice.

The larger more robust N20 model with a 8mm orifice is used as the primary and secondary isolation valves in all the FPN and QPN series valve assemblies.

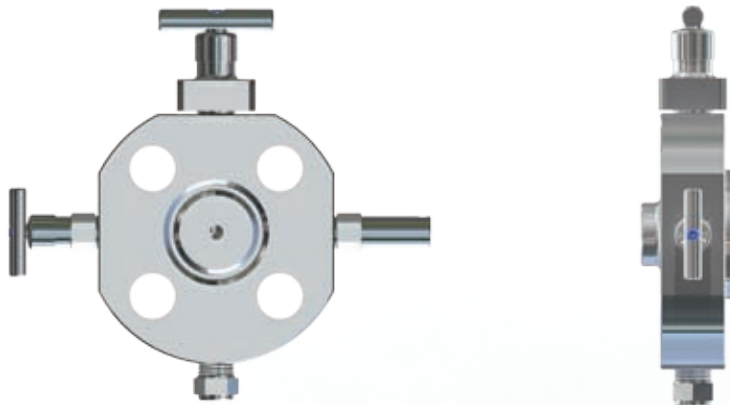
Monflanges are fitted with a N20 model as the primary isolation valve.

Pressure rating up to 10,000 psig (680 bar) and temperature rating from -50°C to +240°C.

Independently tested and certified to Firesafe standards BS EN ISO 10497, API 607 and API 6FA.

MFPD Monoflange Flange to Pipe Double Block and Bleed	5
MFPS Monoflange Flange to Pipe Single Block and Bleed	6
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FPBD Flange to Pipe Ball Valve Double Block and Bleed.....	8
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FPBB Flange to Pipe Ball Valve Block.....	10
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FPNS Flange to Pipe Needle Valve Single Block and Bleed	12
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MONOFLANGE FLANGE TO PIPE DOUBLE BLOCK AND BLEED



Product Coding

SERIES	INLET SIZE	RATING	FACE	OUTLET SIZE	THREAD	VENT SIZE	THREAD	MATERIAL
MFPD	15- 1/2"	A- 150 lb	A- RF smooth	08- 1/4"	N- NPT Fem	08- 1/4"	N- NPT Fem	S- Stainless Steel 316L
	20- 3/4"	B- 300 lb	B- RF serrated	15- 1/2"	R- BSPT Fem	15- 1/2"	R- BSPT Fem	C- Carbon Steel LF2
	25- 1"	C- 600 lb	C- RTJ	20- 3/4"	G- BSPP Fem	20- 3/4"	G- BSPP Fem	D- Duplex F51
	38- 1 1/2"	D- 800 lb						U- Duplex 6MO
	50- 2"	E- 900 lb						I- Inconel 625
		F- 1500 lb						M- Monel 400
		G- 2500 lb						A- Aluminium Bronze

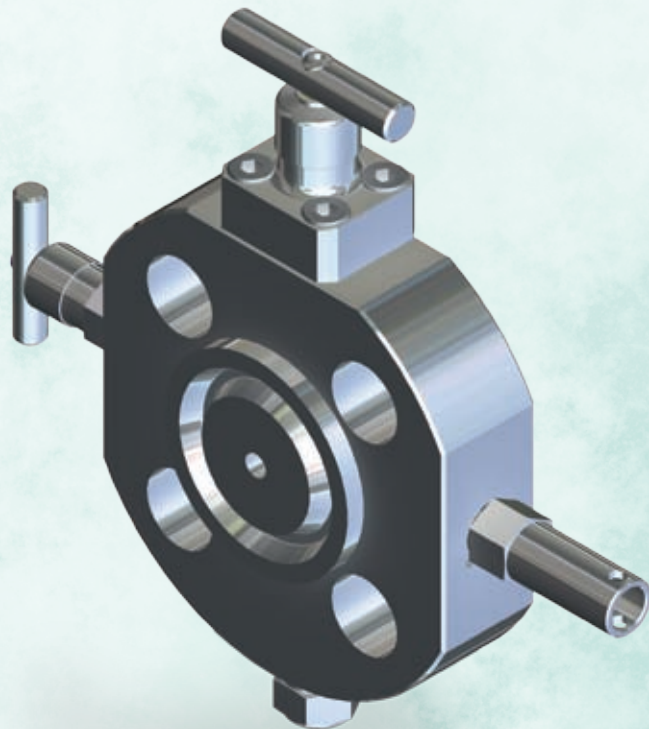
How to Order

Eg. Code: MFPD25FC15N15NS =

Flange to Pipe forged Double block and bleed MonoFlange assembly
 Needle/Needle/Needle configuration
 Bolted Bonnet N20 Needle valve (8mm bore) as primary isolate valve
 Anti Tamper Bonnet N08 Needle valve (5mm bore) as vent valve
 Screwed Bonnet N08 Needle valve (5mm bore) as secondary isolate valve
 Inlet: ASME B16.5 Flanged 1" 1500lb RTJ
 Vent: 1/2" NPT Female (plugged)
 Outlet: 1/2" NPT Female
 Material: Stainless Steel 316L

Features

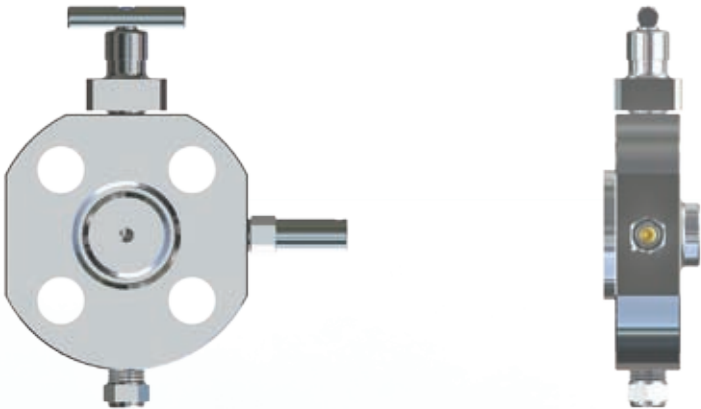
- One piece forged body , compact design for strength and reduced leak points
- Zero Emissions Bolted bonnet Primary Isolation Valve
- Zero Emissions Anti-Tamper bonnet Vent Valve with Key supplied separately for security reasons
- Zero Emissions Screwed bonnet Secondary Isolation Valve
- 1/2" NPT Fem threaded outlet as standard
- 1/4" or 1/2" NPT Fem threaded Vent fitted with Pipe plug
- ANSI B16.5 Flange Inlet Connections 1/2" to 2" with pressure ratings of 150LB to 2500lb
- Firesafe Certified valves fitted as standard



MONOFLANGE

FLANGE TO PIPE

SINGLE BLOCK AND BLEED



Product Coding

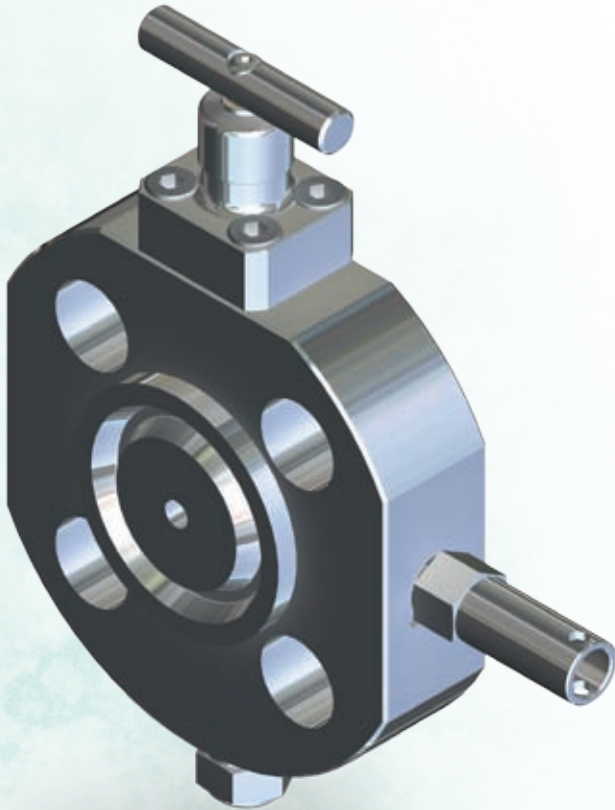
SERIES	INLET SIZE	RATING	FACE	OUTLET SIZE	THREAD	VENT SIZE	THREAD	MATERIAL
MFPS	15- ½"	A- 150 lb	A- RF smooth	08- ¼"	N- NPT Fem	08- ¼"	N- NPT Fem	S- Stainless Steel 316L
	20- ¾"	B- 300 lb	B- RF serrated	15- ½"	R- BSPT Fem	15- ½"	R- BSPT Fem	C- Carbon Steel LF2
	25- 1"	C- 600 lb	C- RTJ	20- ¾"	G- BSPP Fem	20- ¾"	G- BSPP Fem	D- Duplex F51
	38- 1½"	D- 800 lb						U- Duplex 6MO
	50- 2"	E- 900 lb						I- Inconel 625
		F- 1500 lb						M- Monel 400
		G- 2500 lb						A- Aluminium Bronze

How to Order

Eg Code: MFPS25FC15N15NS =
 Flange to Pipe forged Single block and bleed MonoFlange assembly
 Needle/Needle configuration
 Bolted Bonnet N20 Needle valve (8mm bore) as primary isolate valve
 Anti Tamper Bonnet N08 Needle valve (5mm bore) as vent valve
 Inlet: ASME B16.5 Flanged 1" 1500lb RTJ
 Vent: ½" NPT Female (plugged)
 Outlet: ½" NPT Female
 Material: Stainless Steel 316L

Features

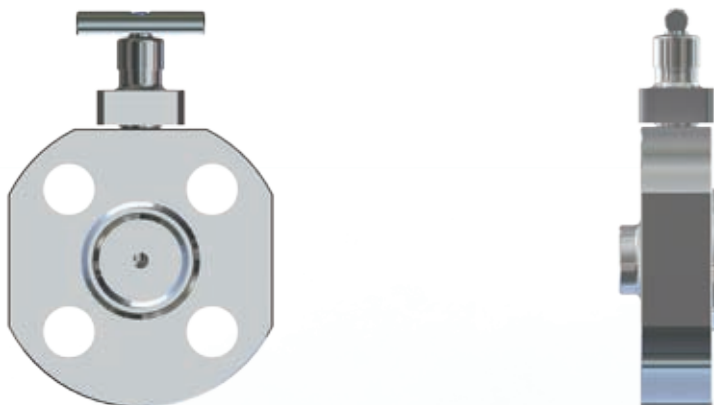
- One piece forged body, compact design for strength and reduced leak points
- Zero Emissions Bolted bonnet Primary Isolation Valve
- Zero Emissions Anti-Tamper bonnet Vent Valve with Key supplied separately for security reasons
- ½" NPT Fem threaded outlet as standard
- ¼" or ½" NPT Fem threaded Vent fitted with Pipe plug
- ANSI B16.5 Flange Inlet Connections ½" to 2" with pressure ratings of 150LB to 2500lb
- Firesafe Certified valves fitted as standard



MONOFLANGE FLANGE TO PIPE BLOCK

SAFELOK™

MFPB



Product Coding

SERIES	INLET SIZE	RATING	FACE	OUTLET SIZE	THREAD	VENT SIZE	THREAD	MATERIAL
MFPB	15- ½"	A- 150 lb	A- RF smooth	08- ¼"	N- NPT Fem	08- ¼"	N- NPT Fem	S- Stainless Steel 316L
	20- ¾"	B- 300 lb	B- RF serrated	15- ½"	R- BSPT Fem	15- ½"	R- BSPT Fem	C- Carbon Steel LF2
	25- 1"	C- 600 lb	C- RTJ	20- ¾"	G- BSPP Fem	20- ¾"	G- BSPP Fem	D- Duplex F51
	38- 1½"	D- 800 lb						U- Duplex 6MO
	50- 2"	E- 900 lb						I- Inconel 625
		F- 1500 lb						M- Monel 400
		G- 2500 lb						A- Aluminium Bronze

How to Order

Eg Code: MFPB25FC15NS =

Flange to Pipe forged block valve MonoFlange assembly

Needle valve configuration

Bolted Bonnet N20 Needle valve (8mm bore) as isolate valve

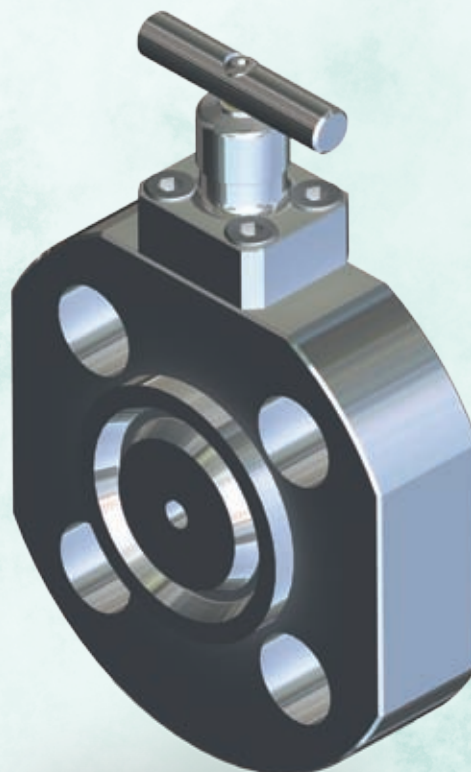
Inlet: ASME B16.5 Flanged 1" 1500lb RTJ

Outlet: ½" NPT Female

Material: Stainless Steel 316L

Features

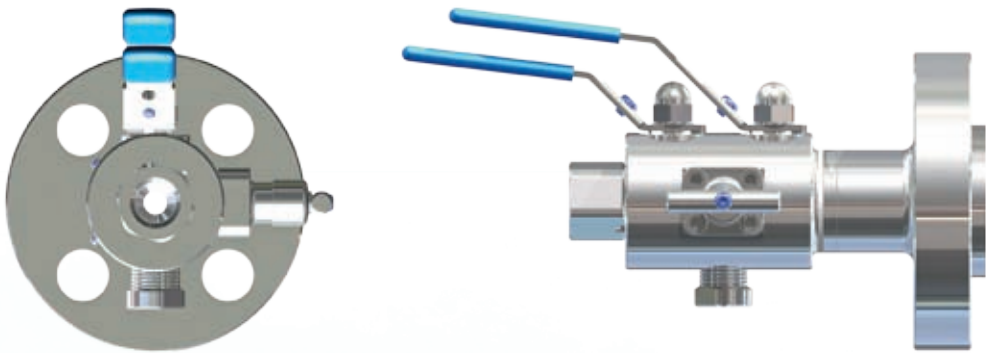
- One piece forged body, compact design for strength and reduced leak points
- Zero Emissions Bolted bonnet Primary Isolation Valve
- ½" NPT Fem threaded outlet as standard
- ANSI B16.5 Flange Inlet Connections ½" to 2" with pressure ratings of 150LB to 2500lb
- Firesafe Certified valve fitted as standard



FLANGE TO PIPE

BALL VALVE

DOUBLE BLOCK AND BLEED



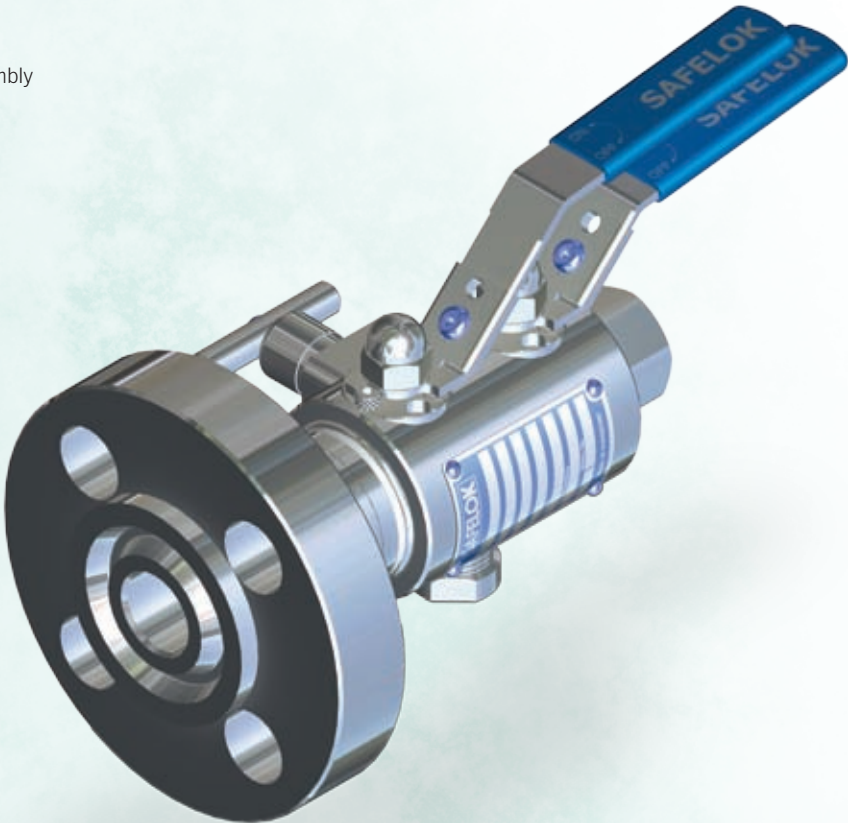
Product Coding								
SERIES	INLET SIZE	RATING	FACE	OUTLET SIZE	THREAD	VENT SIZE	THREAD	MATERIAL
FPBD	15- ½"	A- 150 lb	A- RF smooth	15- ½"	N- NPT Fem	15- ½"	N- NPT Fem	S- Stainless Steel 316L
	20- ¾"	B- 300 lb	B- RF serrated	20- ¾"	R- BSPT Fem	20- ¾"	R- BSPT Fem	C- Carbon Steel LF2
	25- 1"	C- 600 lb	C- RTJ		G- BSPP Fem		G- BSPP Fem	D- Duplex F51
	38- 1½"	D- 800 lb						U- Duplex 6MO
	50- 2"	E- 900 lb						I- Inconel 625
		F- 1500 lb						M- Monel 400
		G- 2500 lb						A- Aluminium Bronze

How to Order

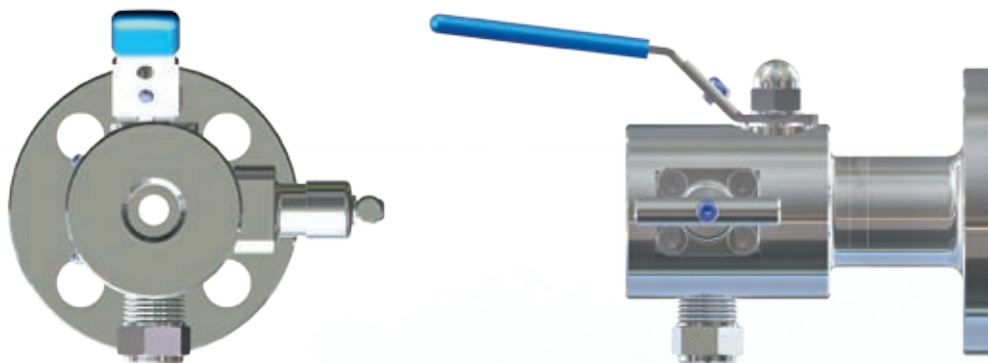
Eg Code: FPBD25FC15N15NS =
 Flange to Pipe forged Double block and bleed valve assembly
 Ball/Needle/Ball configuration
 Ball valve as primary isolate valve
 Needle valve vent
 Ball valve as secondary isolate valve
 Inlet: ASME B16.5 Flanged 1" 1500lb RTJ
 Vent: ½" NPT Female (plugged)
 Outlet: ½" NPT Female
 Material: Stainless Steel 316L

Features

- One piece forged body
- Ball valves - Floating ball type 10mm bore
- Patented 2 piece 'Blow out proof' stem
- Renewable encapsulated PEEK seats
- AED grade high performance stem seals
- Backup firesafe Grafoil stem and body seals
- Anti-Static design ball seats
- Lockable stainless steel lever handles
- Bolted bonnet needle valve vent
- Two piece stem with non-rotating needle
- Dynamic gland with Grafoil firesafe stem seal
- Design Code ASME B16.34, API 6D, EEMUA 182
- Firesafe certified to BS-EN 10497 / API 6FA



FLANGE TO PIPE BALL VALVE SINGLE BLOCK AND BLEED



Product Coding

SERIES	INLET SIZE	RATING	FACE	OUTLET SIZE	THREAD	VENT SIZE	THREAD	MATERIAL
FPBS	15- 1/2"	A- 150 lb	A- RF smooth	15- 1/2"	N- NPT Fem	15- 1/2"	N- NPT Fem	S- Stainless Steel 316L
	20- 3/4"	B- 300 lb	B- RF serrated	20- 3/4"	R- BSPT Fem	20- 3/4"	R- BSPT Fem	C- Carbon Steel LF2
	25- 1"	C- 600 lb	C- RTJ		G- BSPP Fem		G- BSPP Fem	D- Duplex F51
	38- 1 1/2"	D- 800 lb						U- Duplex 6MO
	50- 2"	E- 900 lb						I- Inconel 625
		F- 1500 lb						M- Monel 400
		G- 2500 lb						A- Aluminium Bronze

How to Order

Eg Code: FPBS25FC15N15NS =

Flange to Pipe forged Single block and bleed valve assembly

Ball/Needle configuration

Ball valve as primary isolate valve

Needle valve vent

Inlet: ASME B16.5 Flanged 1" 1500lb RTJ

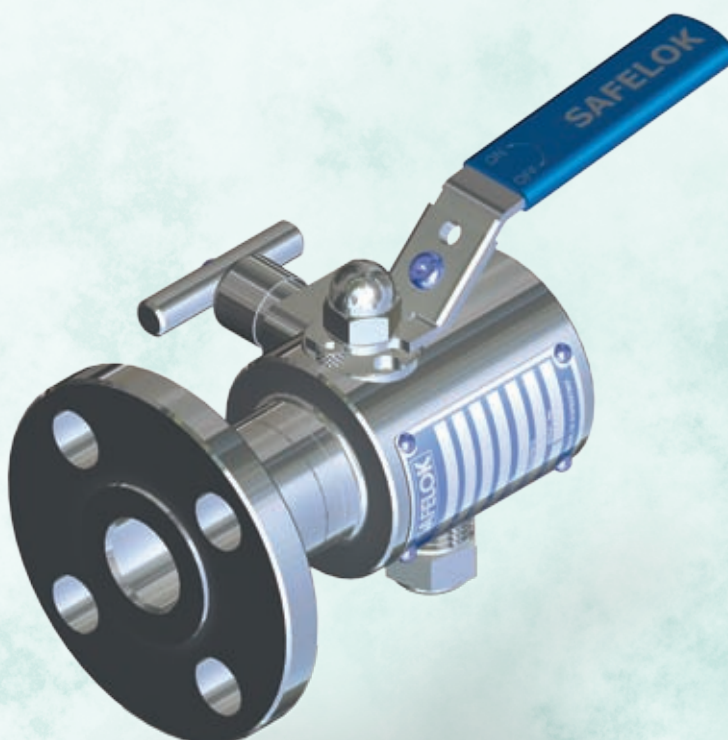
Vent: 1/2" NPT Female (plugged)

Outlet: 1/2" NPT Female

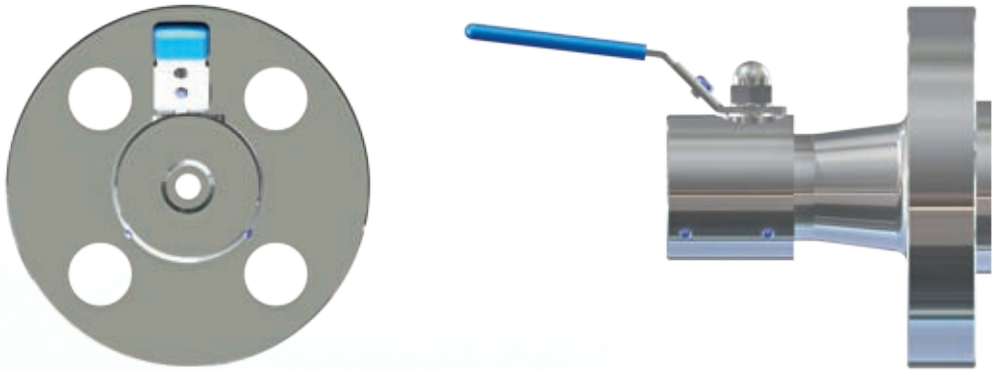
Material: Stainless Steel 316L

Features

- One piece forged body
- Ball valve - Floating ball type 10mm bore
- Patented 2 piece 'Blow out proof' stem
- Renewable encapsulated PEEK seats
- AED grade high performance stem seals
- Backup firesafe Grafoil stem and body seals
- Anti-Static design ball seats
- Lockable stainless steel lever handle
- Bolted bonnet needle valve vent
- Two piece stem with non-rotating needle
- Dynamic gland with Grafoil firesafe stem seal
- Design Code ASME B16.34, API 6D, EEMUA 182
- Firesafe certified to BS-EN 10497 / API 6FA



FLANGE TO PIPE BALL VALVE BLOCK



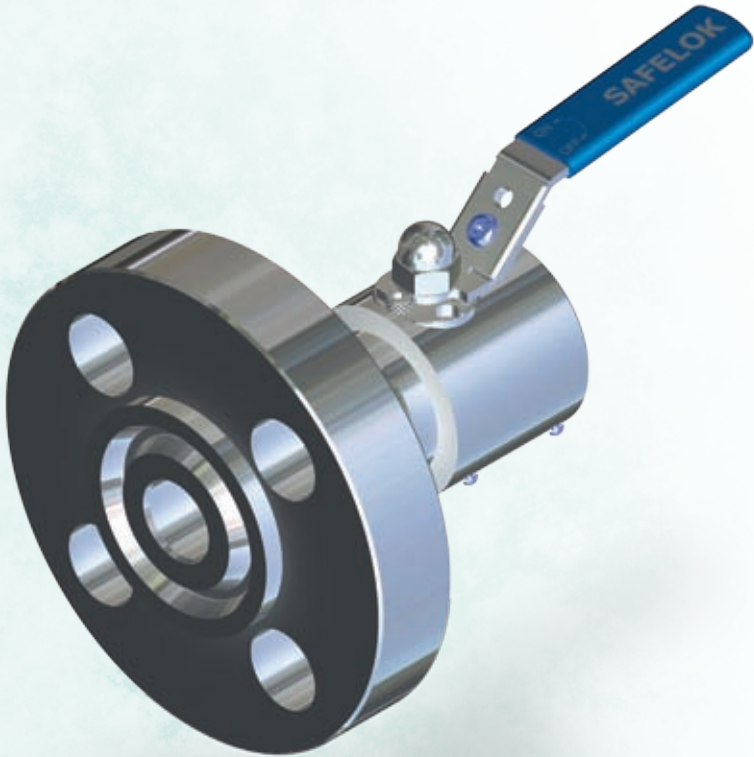
Product Coding						
SERIES	INLET SIZE	RATING	FACE	OUTLET SIZE	THREAD	MATERIAL
FPBB	15- 1/2"	A- 150 lb	A- RF smooth	15- 1/2"	N- NPT Fem	S- Stainless Steel 316L
	20- 3/4"	B- 300 lb	B- RF serrated	20- 3/4"	R- BSPT Fem	C- Carbon Steel LF2
	25- 1"	C- 600 lb	C- RTJ		G- BSPP Fem	D- Duplex F51
	38- 1 1/2"	D- 800 lb				U- Duplex 6MO
	50- 2"	E- 900 lb				I- Inconel 625
		F- 1500 lb				M- Monel 400
		G- 2500 lb				A- Aluminium Bronze

How to Order

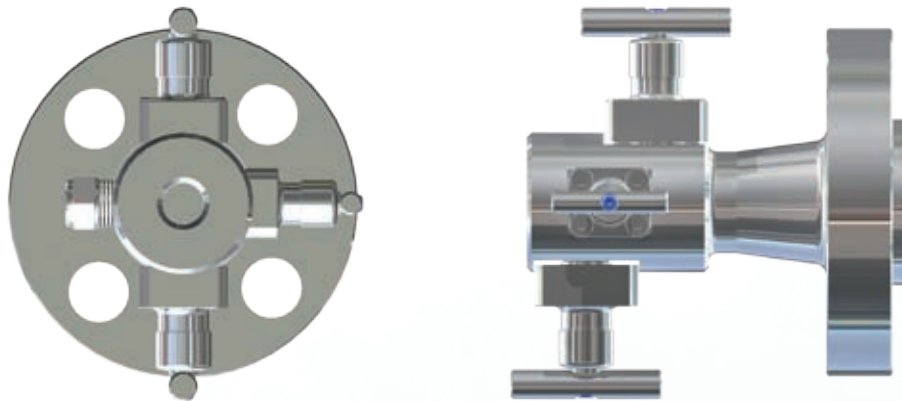
Eg Code: FPBB25FC15NS =
 Flange to Pipe forged block valve assembly
 Ball valve as isolate valve
 Inlet: ASME B16.5 Flanged 1" 1500lb RTJ
 Vent: 1/2" NPT Female (plugged)
 Outlet: 1/2" NPT Female
 Material: Stainless Steel 316L

Features

- One piece forged body
- Ball valve - Floating ball type 10mm bore
- Patented 2 piece 'Blow out proof' stem
- Renewable encapsulated PEEK seats
- AED grade high performance stem seals
- Backup firesafe Grafoil stem and body seals
- Anti-Static design ball seats
- Lockable stainless steel lever handle
- Design Code ASME B16.34, API 6D, EEMUA 182
- Firesafe certified to BS-EN 10497 / API 6FA



FLANGE TO PIPE NEEDLE VALVE DOUBLE BLOCK AND BLEED



Product Coding

SERIES	INLET SIZE	RATING	FACE	OUTLET SIZE	THREAD	VENT SIZE	THREAD	MATERIAL
FPND	15- 1/2"	A- 150 lb	A- RF smooth	15- 1/2"	N- NPT Fem	15- 1/2"	N- NPT Fem	S- Stainless Steel 316L
	20- 3/4"	B- 300 lb	B- RF serrated	20- 3/4"	R- BSPT Fem	20- 3/4"	R- BSPT Fem	C- Carbon Steel LF2
	25- 1"	C- 600 lb	C- RTJ		G- BSPP Fem		G- BSPP Fem	D- Duplex F51
	38- 1 1/2"	D- 800 lb						U- Duplex 6MO
	50- 2"	E- 900 lb						I- Inconel 625
		F- 1500 lb						M- Monel 400
		G- 2500 lb						A- Aluminium Bronze

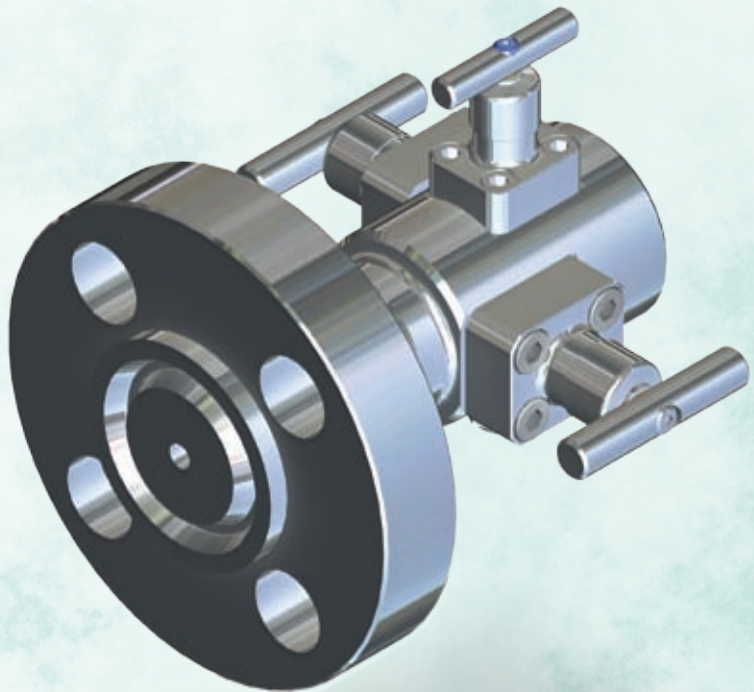
How to Order

Eg Code: FPND25FC15N15NS =

Flange to Pipe forged Double block and bleed valve assembly
 Needle/Needle/Needle configuration
 N20 Bolted Bonnet Needle valve as primary isolate valve
 N08 Bolted Bonnet Needle valve vent.
 N20 Bolted Bonnet Needle valve as secondary isolate valve
 Inlet: ASME B16.5 Flanged 1" 1500lb RTJ
 Vent: 1/2" NPT Female (plugged)
 Outlet: 1/2" NPT Female
 Material: Stainless Steel 316L

Features

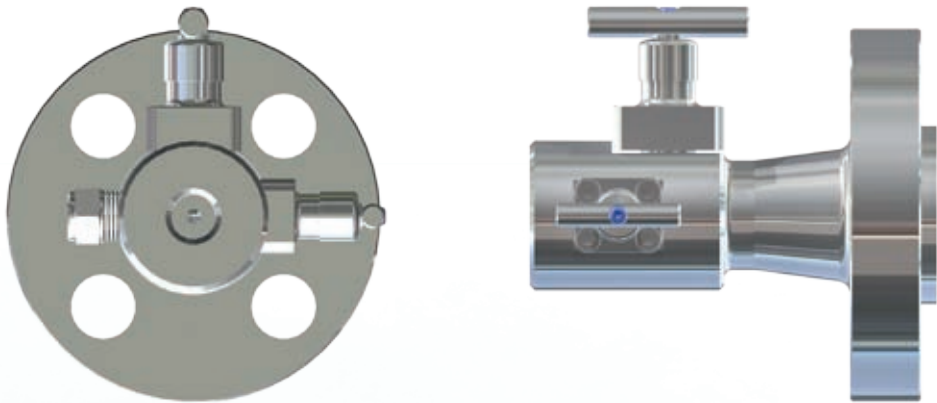
- Compact Design one piece forged body
- 8mm bore Bolted Bonnet Needle Valves for primary and secondary isolation,
- 5mm bore Bolted Bonnet Needle Valve Vent,
- Dynamic gland with Grafoil firesafe stem seal
- Two piece stem with non-rotating needle
- Design Code ASME B16.34, API 6D, EEMUA 182
- Firesafe certified to BS-EN 10497 / API 6FA



FLANGE TO PIPE

NEEDLE VALVE

SINGLE BLOCK AND BLEED



Product Coding								
SERIES	INLET SIZE	RATING	FACE	OUTLET SIZE	THREAD	VENT SIZE	THREAD	MATERIAL
FPNS	15- 1/2"	A- 150 lb	A- RF smooth	15- 1/2"	N- NPT Fem	15- 1/2"	N- NPT Fem	S- Stainless Steel 316L
	20- 3/4"	B- 300 lb	B- RF serrated	20- 3/4"	R- BSPT Fem	20- 3/4"	R- BSPT Fem	C- Carbon Steel LF2
	25- 1"	C- 600 lb	C- RTJ		G- BSPP Fem		G- BSPP Fem	D- Duplex F51
	38- 1 1/2"	D- 800 lb						U- Duplex 6MO
	50- 2"	E- 900 lb						I- Inconel 625
		F- 1500 lb						M- Monel 400
		G- 2500 lb						A- Aluminium Bronze

How to Order

Eg Code: FPNS25FC15N15NS =

Flange to Pipe forged Single block and bleed valve assembly

Needle/Needle configuration

N20 Bolted Bonnet Needle valve as primary isolate valve

N08 Bolted Bonnet Needle valve vent.

Inlet: ASME B16.5 Flanged 1" 1500lb RTJ

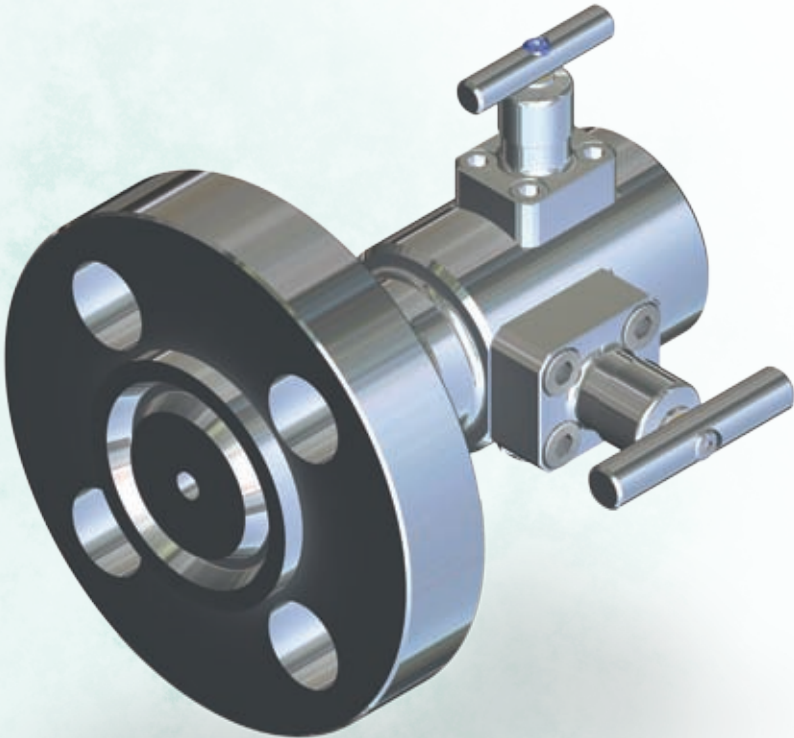
Vent: 1/2" NPT Female (plugged)

Outlet: 1/2" NPT Female

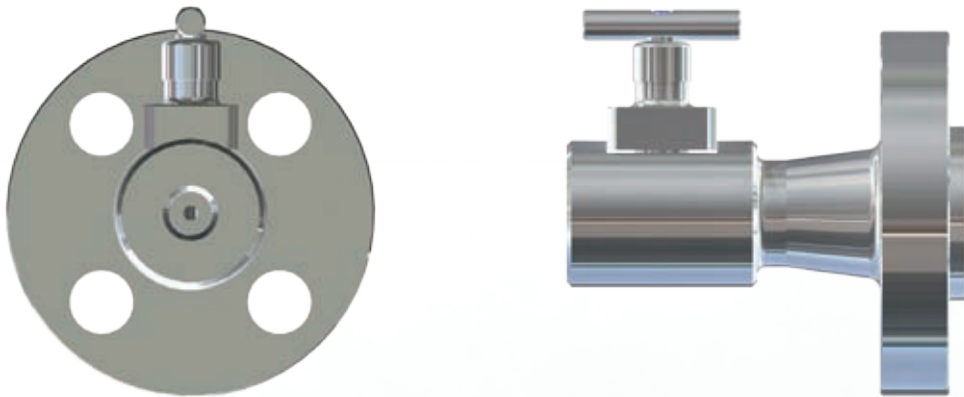
Material: Stainless Steel 316L

Features

- Compact Design one piece forged body
- 8mm bore Bolted Bonnet Needle Valves for primary isolation
- 5mm bore Bolted Bonnet Needle Valve Vent
- Dynamic gland with Grafoil firesafe stem seal
- Two piece stem with non-rotating needle
- Design Code ASME B16.34, API 6D, EEMUA 182
- Firesafe certified to BS-EN 10497 / API 6FA



FLANGE TO PIPE NEEDLE VALVE BLOCK



Product Coding

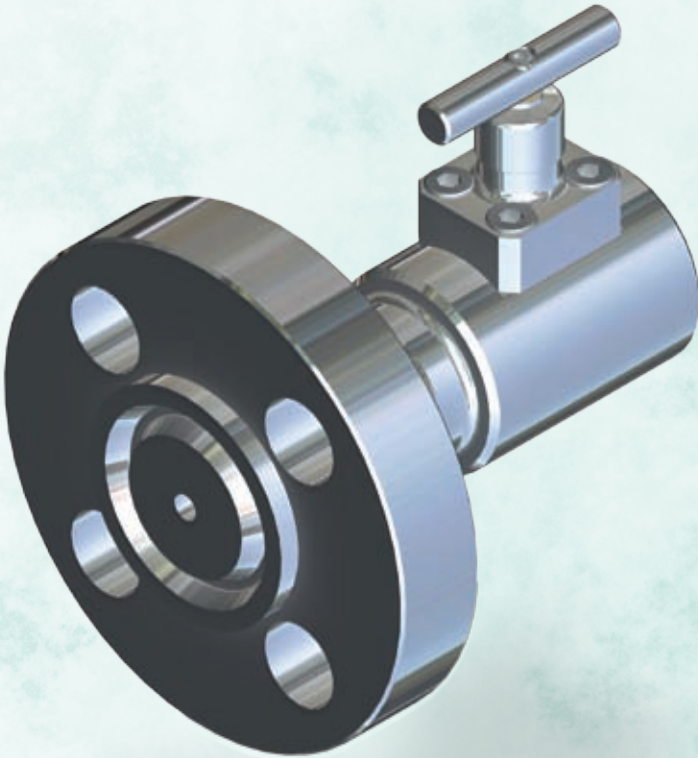
SERIES	INLET SIZE	RATING	FACE	OUTLET SIZE	THREAD	MATERIAL
FPNB	15- ½"	A- 150 lb	A- RF smooth	15- ½"	N- NPT Fem	S- Stainless Steel 316L
	20- ¾"	B- 300 lb	B- RF serrated	20- ¾"	R- BSPT Fem	C- Carbon Steel LF2
	25- 1"	C- 600 lb	C- RTJ		G- BSPP Fem	D- Duplex F51
	38- 1½"	D- 800 lb				U- Duplex 6MO
	50- 2"	E- 900 lb				I- Inconel 625
		F- 1500 lb				M- Monel 400
		G- 2500 lb				A- Aluminium Bronze

How to Order

Eg. Code: FPNB25FC15NS =
 Flange to Pipe forged block valve assembly
 N20 Bolted Bonnet Needle valve as primary isolate valve
 Inlet: ASME B16.5 Flanged 1" 1500lb RTJ
 Outlet: ½" NPT Female
 Material: Stainless Steel 316L

Features

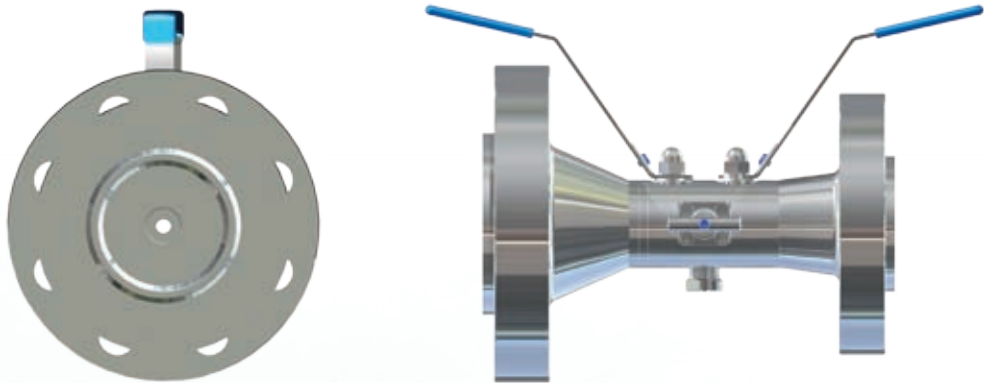
- Compact Design one piece forged body
- 8mm bore Bolted Bonnet Needle Valves for isolation
- Dynamic gland with Grafoil firesafe stem seal
- Two piece stem with non-rotating needle
- Design Code ASME B16.34, API 6D, EEMUA 182
- Firesafe certified to BS-EN 10497 / API 6FA



FLANGE TO FLANGE

BALL VALVE

DOUBLE BLOCK AND BLEED



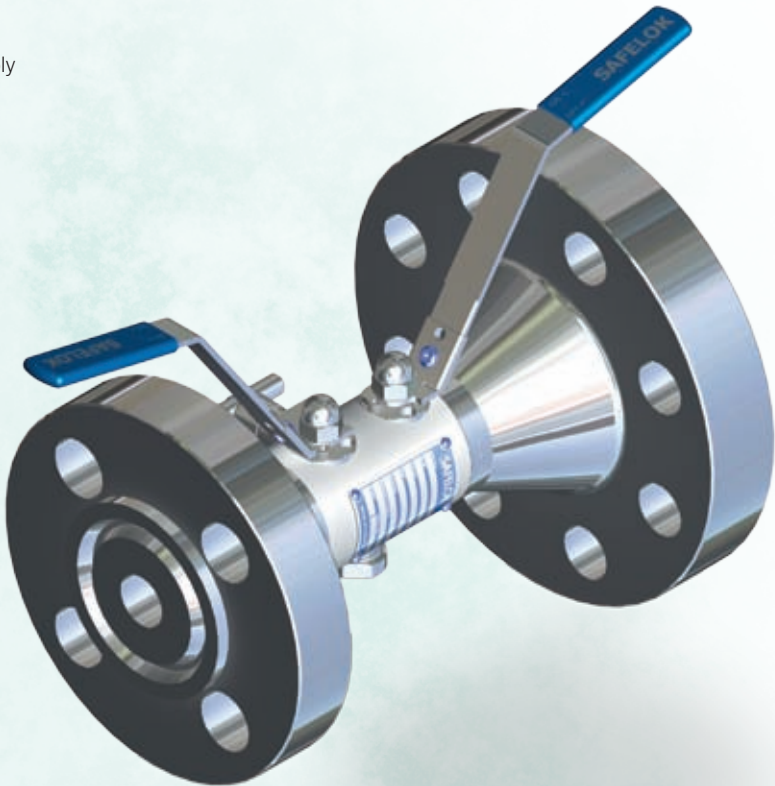
Product Coding									
SERIES	INLET SIZE	RATING	FACE	OUTLET SIZE	RATING	FACE	VENT SIZE	THREAD	MATERIAL
FFBD	15- 1/2"	A- 150 lb	A- RF smooth	15- 1/2"	A- 150 lb	A- RF smooth	15- 1/2"	N- NPT Fem	S- Stainless Steel 316L
	20- 3/4"	B- 300 lb	B- RF serrated	20- 3/4"	B- 300 lb	B- RF serrated	20- 3/4"	R- BSPT Fem	C- Carbon Steel LF2
	25- 1"	C- 600 lb	C- RTJ	25- 1"	C- 600 lb	C- RTJ		G- BSPP Fem	D- Duplex F51
	38- 1 1/2"	D- 800 lb		38- 1 1/2"	D- 800 lb				U- Duplex 6MO
	50- 2"	E- 900 lb		50- 2"	E- 900 lb				I- Inconel 625
		F- 1500 lb			F- 1500 lb				M- Monel 400
		G- 2500 lb			G- 2500 lb				A- Aluminium Bronze

How to Order

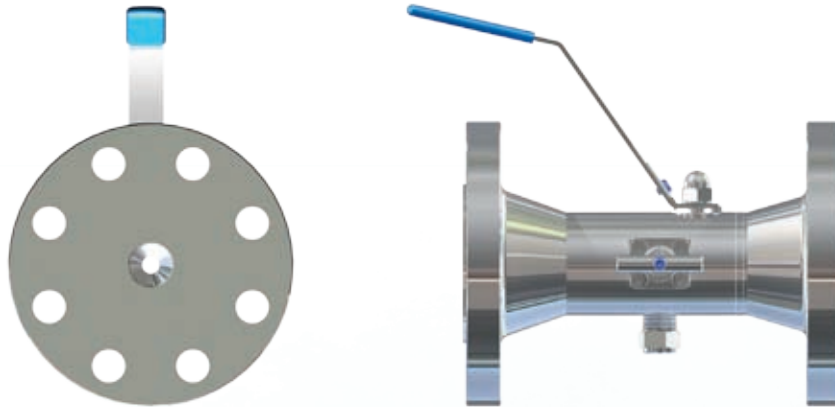
Eg Code: FFBD50FC25FC15NS =
 Flange to Flange forged Double block and bleed valve assembly
 Ball/Needle/Ball configuration
 Ball valve as primary isolate valve
 Needle valve vent
 Ball valve as secondary isolate valve
 Standard 10mm thru bore
 Inlet: ASME B16.5 Flanged 2" 1500lb RTJ
 Vent: 1/2" NPT Female (plugged)
 Outlet: ASME B16.5 Flanged 1" 1500LB RTJ
 Material: Stainless Steel 316L

Features

- One piece forged body
- Ball valves - Floating ball type 10mm bore
- Patented 2 piece 'Blow out proof' stem
- Renewable encapsulated PEEK seats
- AED grade high performance stem seals
- Backup firesafe Grafoil stem and body seals
- Anti-Static design ball seats
- Lockable stainless steel lever handles
- Bolted bonnet needle valve vent
- Two piece stem with non-rotating needle
- Dynamic gland with Grafoil firesafe stem seal
- Design Code ASME B16.34, API 6D, EEMUA 182
- Firesafe certified to BS-EN 10497 / API 6FA



FLANGE TO FLANGE BALL VALVE SINGLE BLOCK AND BLEED



Product Coding

SERIES	INLET SIZE	RATING	FACE	OUTLET SIZE	RATING	FACE	VENT SIZE	THREAD	MATERIAL
FFBS	15- 1/2"	A- 150 lb	A- RF smooth	15- 1/2"	A- 150 lb	A- RF smooth	15- 1/2"	N- NPT Fem	S- Stainless Steel 316L
	20- 3/4"	B- 300 lb	B- RF serrated	20- 3/4"	B- 300 lb	B- RF serrated	20- 3/4"	R- BSPT Fem	C- Carbon Steel LF2
	25- 1"	C- 600 lb	C- RTJ	25- 1"	C- 600 lb	C- RTJ		G- BSPP Fem	D- Duplex F51
	38- 1 1/2"	D- 800 lb		38- 1 1/2"	D- 800 lb				U- Duplex 6MO
	50- 2"	E- 900 lb		50- 2"	E- 900 lb				I- Inconel 625
		F- 1500 lb			F- 1500 lb				M- Monel 400
		G- 2500 lb			G- 2500 lb				A- Aluminium Bronze

How to Order

Eg Code: FFBS50FC25FC15NS =

Flange to Flange forged Single block and bleed valve assembly

Ball/Needle configuration

Ball valve as primary isolate valve

Needle valve vent

Standard 10mm thru bore

Inlet: ASME B16.5 Flanged 2" 1500lb RTJ

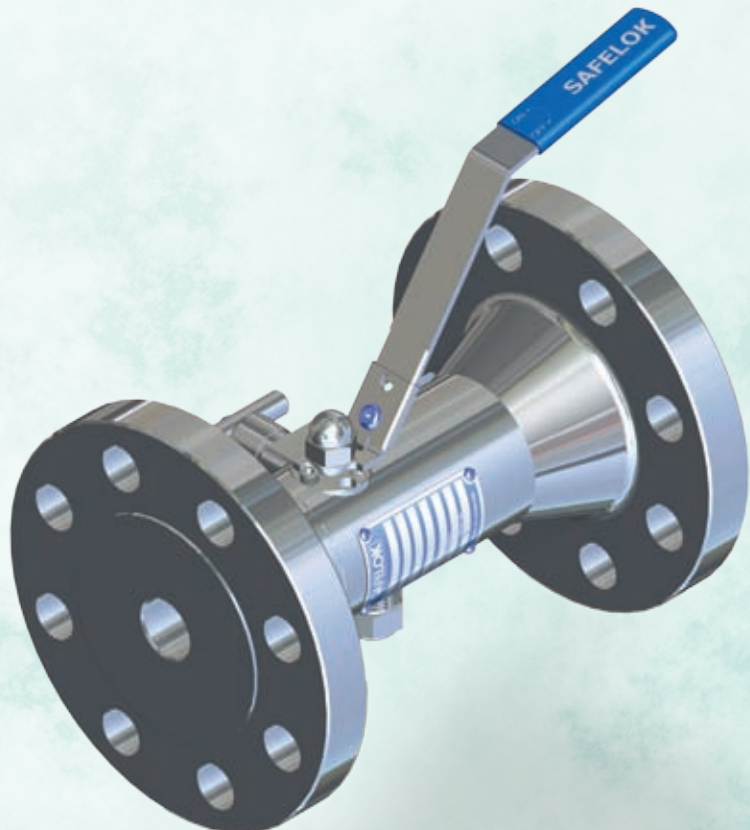
Vent: 1/2" NPT Female (plugged)

Outlet: ASME B16.5 Flanged 1" 1500LB RTJ

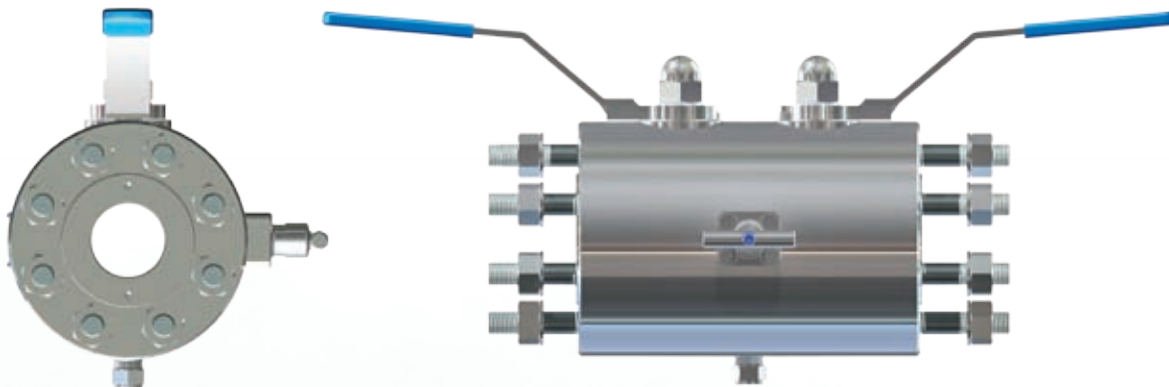
Material: Stainless Steel 316L

Features

- One piece forged body
- Ball valve - Floating ball type 10mm bore
- Patented 2 piece 'Blow out proof' stem
- Renewable encapsulated PEEK seats
- AED grade high performance stem seals
- Backup firesafe Grafoil stem and body seals
- Anti-Static design ball seats
- Lockable stainless steel lever handle
- Bolted bonnet needle valve vent
- Two piece stem with non-rotating needle
- Dynamic gland with Grafoil firesafe stem seal
- Design Code ASME B16.34, API 6D, EEMUA 182
- Firesafe certified to BS-EN 10497 / API 6FA



FLANGE TO FLANGE FULL BORE DOUBLE BLOCK AND BLEED



Product Coding

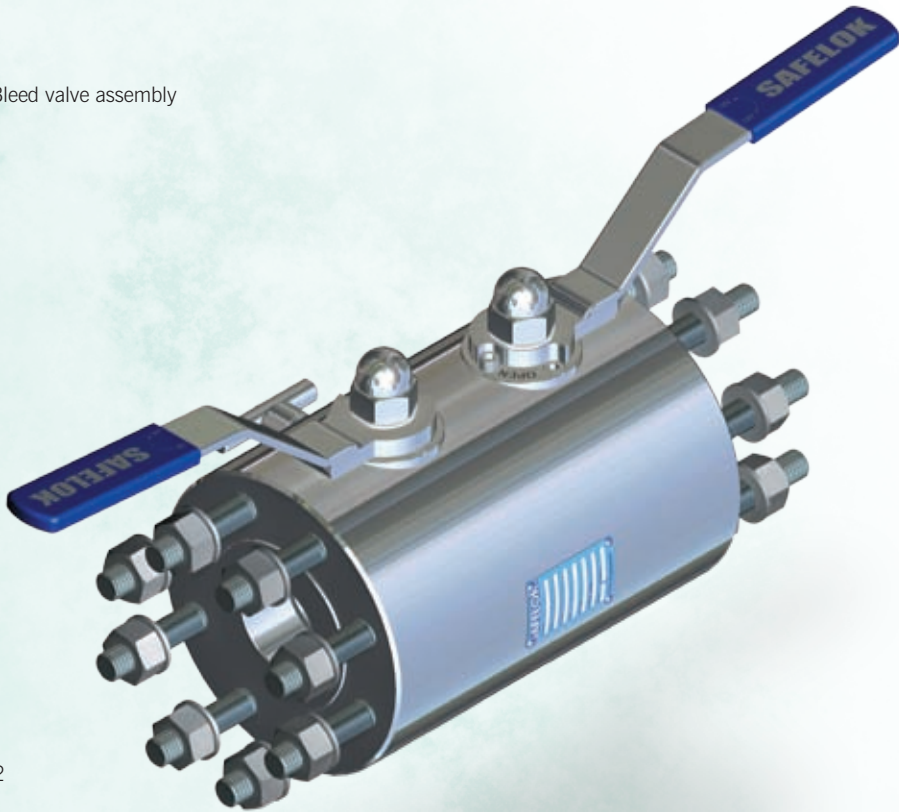
SERIES	INLET SIZE	RATING	FACE	OUTLET SIZE	RATING	FACE	VENT SIZE	THREAD	MATERIAL
FBBD	15- 1/2"	A- 150 lb	A- RF smooth	15- 1/2"	A- 150 lb	A- RF smooth	15- 1/2"	N- NPT Fem	S- Stainless Steel 316L
	20- 3/4"	B- 300 lb	B- RF serrated	20- 3/4"	B- 300 lb	B- RF serrated	20- 3/4"	R- BSPT Fem	C- Carbon Steel LF2
	25- 1"	C- 600 lb	C- RTJ	25- 1"	C- 600 lb	C- RTJ		G- BSPP Fem	D- Duplex F51
	38- 1 1/2"	D- 800 lb		38- 1 1/2"	D- 800 lb				U- Duplex 6MO
	50- 2"	E- 900 lb		50- 2"	E- 900 lb				I- Inconel 625
		F- 1500 lb			F- 1500 lb				M- Monel 400
		G- 2500 lb			G- 2500 lb				A- Aluminium Bronze

How to Order

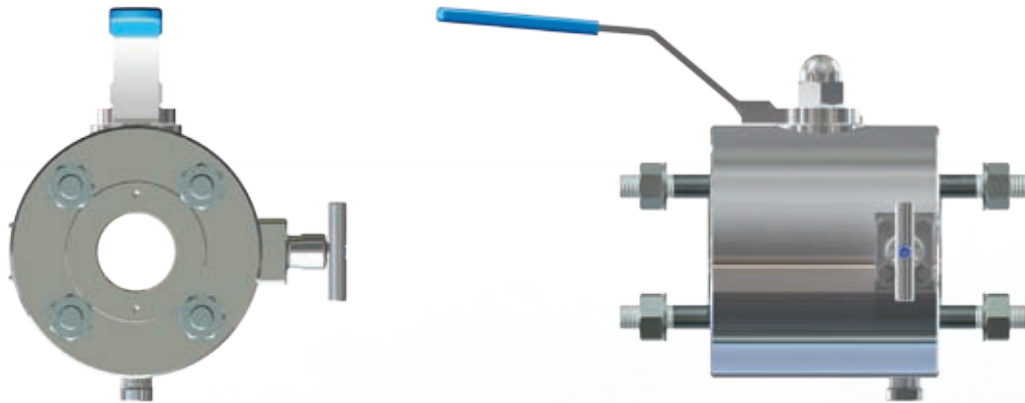
Eg Code: FBBD50BA50BA15NS =
 Full Bore Flange to Flange Forged Double Block and Bleed valve assembly
 Ball/Needle/Ball configuration
 Full Bore Ball valve as primary isolate valve
 Needle valve vent
 Full Bore Ball valve as secondary isolate valve
 Inlet: ASME B16.5 Flanged 2" 300lb RF
 Vent: 1/2" NPT Female (plugged)
 Outlet: ASME B16.5 Flanged 2" 300lb RF
 Material: Stainless Steel 316L

Features

- One piece forged body
- Ball valves - Floating ball type Full bore
- Patented 2 piece 'Blow out proof' stem
- Renewable encapsulated PEEK seats
- AED grade high performance stem seals
- Backup firesafe Grafoil stem and body seals
- Anti-Static design ball seats
- Lockable stainless steel lever handles
- Bolted bonnet needle valve vent
- Two piece stem with non-rotating needle
- Dynamic gland with Grafoil firesafe stem seal
- Design Code ASME B16.34, API 6D, EEMUA 182
- Firesafe certified to BS-EN 10497 / API 6FA



FLANGE TO FLANGE FULL BORE SINGLE BLOCK AND BLEED



Product Coding

SERIES	INLET SIZE	RATING	FACE	OUTLET SIZE	RATING	FACE	VENT SIZE	THREAD	MATERIAL
FBBS	15- 1/2"	A- 150 lb	A- RF smooth	15- 1/2"	A- 150 lb	A- RF smooth	15- 1/2"	N- NPT Fem	S- Stainless Steel 316L
	20- 3/4"	B- 300 lb	B- RF serrated	20- 3/4"	B- 300 lb	B- RF serrated	20- 3/4"	R- BSPT Fem	C- Carbon Steel LF2
	25- 1"	C- 600 lb	C- RTJ	25- 1"	C- 600 lb	C- RTJ		G- BSPP Fem	D- Duplex F51
	38- 1 1/2"	D- 800 lb		38- 1 1/2"	D- 800 lb				U- Duplex 6MO
	50- 2"	E- 900 lb		50- 2"	E- 900 lb				I- Inconel 625
		F- 1500 lb			F- 1500 lb				M- Monel 400
		G- 2500 lb			G- 2500 lb				A- Aluminium Bronze

How to Order

Eg. Code: FBBS50BA50BA15NS =

Full Bore Flange to Flange Forged Single Block and Bleed valve assembly

Ball/Needle configuration

Full Bore Ball valve as primary isolate valve

Needle valve vent

Inlet: ASME B16.5 Flanged 2" 300lb RF

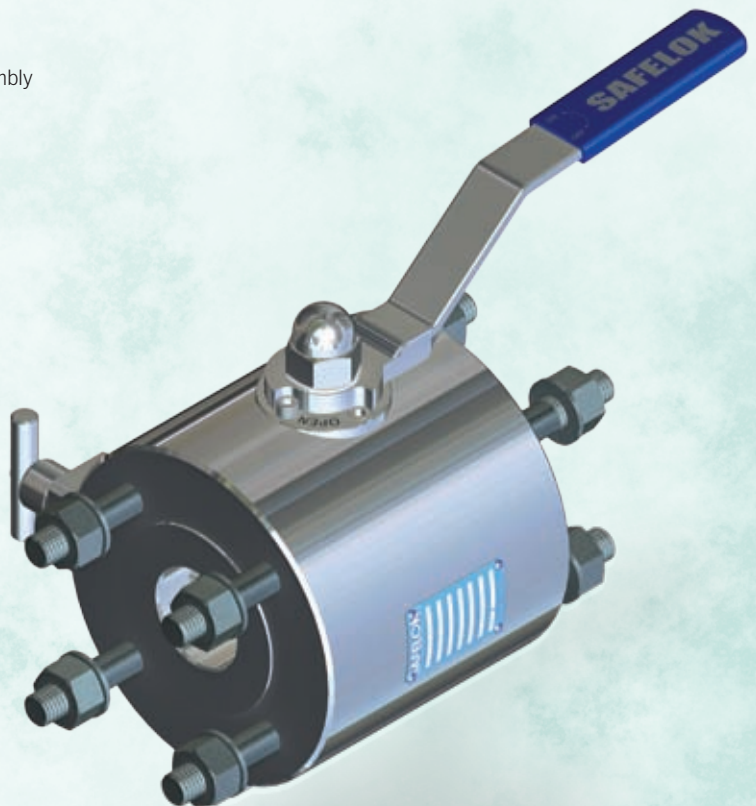
Vent: 1/2" NPT Female (plugged)

Outlet: ASME B16.5 Flanged 2" 300lb RF

Material: Stainless Steel 316L

Features

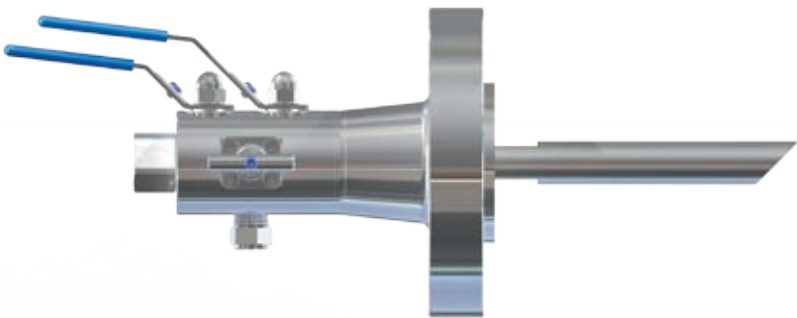
- One piece forged body
- Ball valve - Floating ball type Full bore
- Patented 2 piece 'Blow out proof' stem
- Renewable encapsulated PEEK seats
- AED grade high performance stem seals
- Backup firesafe Grafoil stem and body seals
- Anti-Static design ball seats
- Lockable stainless steel lever handle
- Bolted bonnet needle valve vent
- Two piece stem with non-rotating needle
- Dynamic gland with Grafoil firesafe stem seal
- Design Code ASME B16.34, API 6D, EEMUA 182
- Firesafe certified to BS-EN 10497 / API 6FA



QUILL TO PIPE

BALL VALVE

DOUBLE BLOCK AND BLEED



Product Coding

SERIES	INLET SIZE	RATING	FACE	OUTLET SIZE	THREAD	VENT SIZE	THREAD	MATERIAL
QPD	15- ½"	A- 150 lb	A- RF smooth	15- ½"	N- NPT Fem	15- ½"	N- NPT Fem	S- Stainless Steel 316L
	20- ¾"	B- 300 lb	B- RF serrated	20- ¾"	R- BSPT Fem	20- ¾"	R- BSPT Fem	C- Carbon Steel LF2
	25- 1"	C- 600 lb	C- RTJ		G- BSPP Fem		G- BSPP Fem	D- Duplex F51
	38- 1½"	D- 800 lb						U- Duplex 6MO
	50- 2"	E- 900 lb						I- Inconel 625
		F- 1500 lb						M- Monel 400
		G- 2500 lb						A- Aluminium Bronze

How to Order

Eg. Code: QPBD25FC15N15NS =

Flange complete with Injection Quill to Pipe forged Double block and bleed valve assembly

Ball/Needle/Ball configuration

Ball valve as primary isolate valve

Needle valve vent or sample

Ball valve as secondary isolate valve

Inlet: ASME B16.5 Flanged 1" 1500lb RTJ

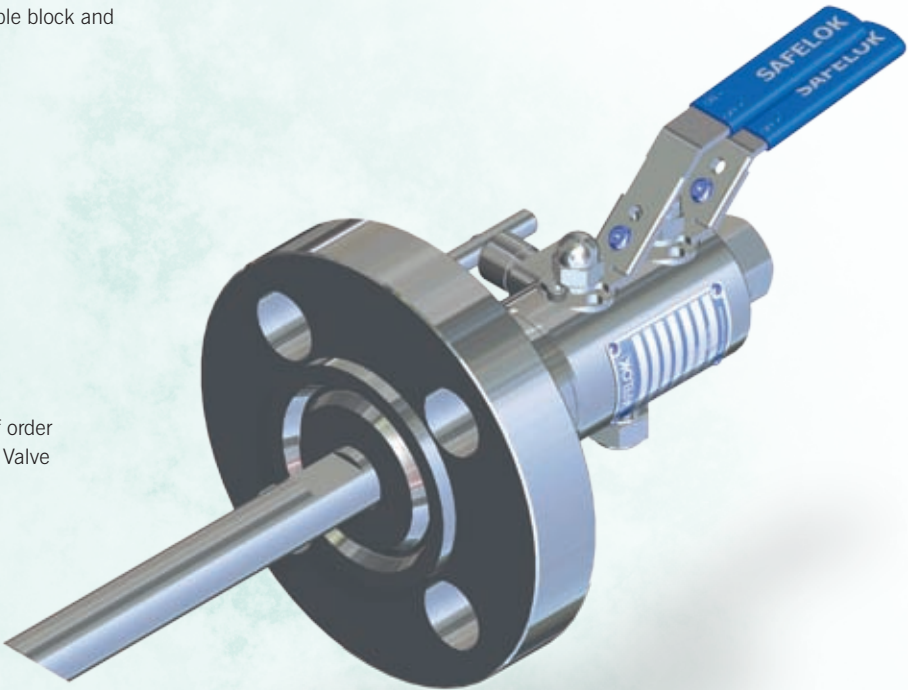
Vent: ½" NPT Female (plugged)

Outlet: ½" NPT Female

Material: Stainless Steel 316L

Features

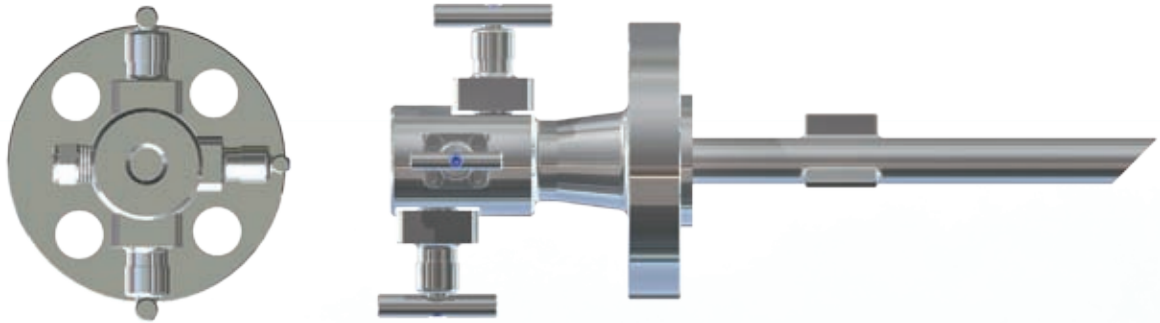
- One piece forged body
- Length of quill and supports to be specified at time of order
- Finer control of either venting or sampling via Needle Valve
- Ball valves - Floating ball type 10mm bore
- Patented 2 piece 'Blow out proof' stem
- Renewable encapsulated PEEK seats
- AED grade high performance stem seals
- Backup firesafe Grafoil stem and body seals
- Anti-Static design ball seats
- Lockable stainless steel lever handles
- Bolted bonnet needle valve vent
- Two piece stem with non-rotating needle
- Dynamic gland with Grafoil firesafe stem seal
- Design Code ASME B16.34, API 6D, EEMUA 182
- Firesafe certified to BS-EN 10497 / API 6FA



QUILL TO PIPE NEEDLE VALVE DOUBLE BLOCK AND BLEED

SAFELOK™

QPND



Product Coding

SERIES	INLET SIZE	RATING	FACE	OUTLET SIZE	THREAD	VENT SIZE	THREAD	MATERIAL
QPND	15- 1/2"	A- 150 lb	A- RF smooth	15- 1/2"	N- NPT Fem	15- 1/2"	N- NPT Fem	S- Stainless Steel 316L
	20- 3/4"	B- 300 lb	B- RF serrated	20- 3/4"	R- BSPT Fem	20- 3/4"	R- BSPT Fem	C- Carbon Steel LF2
	25- 1"	C- 600 lb	C- RTJ		G- BSPP Fem		G- BSPP Fem	D- Duplex F51
	38- 1 1/2"	D- 800 lb						U- Duplex 6MO
	50- 2"	E- 900 lb						I- Inconel 625
		F- 1500 lb						M- Monel 400
		G- 2500 lb						A- Aluminium Bronze

How to Order

Eg Code: QPND25FC15N15NS =

Flange complete with Injection Quill to Pipe forged Double block and bleed valve assembly

Needle/Needle/Needle configuration

N20 Bolted Bonnet Needle valve as primary isolate valve

N08 Bolted Bonnet Needle valve vent or sample

N20 Bolted Bonnet Needle valve as secondary isolate valve

Inlet: ASME B16.5 Flanged 1" 1500lb RTJ

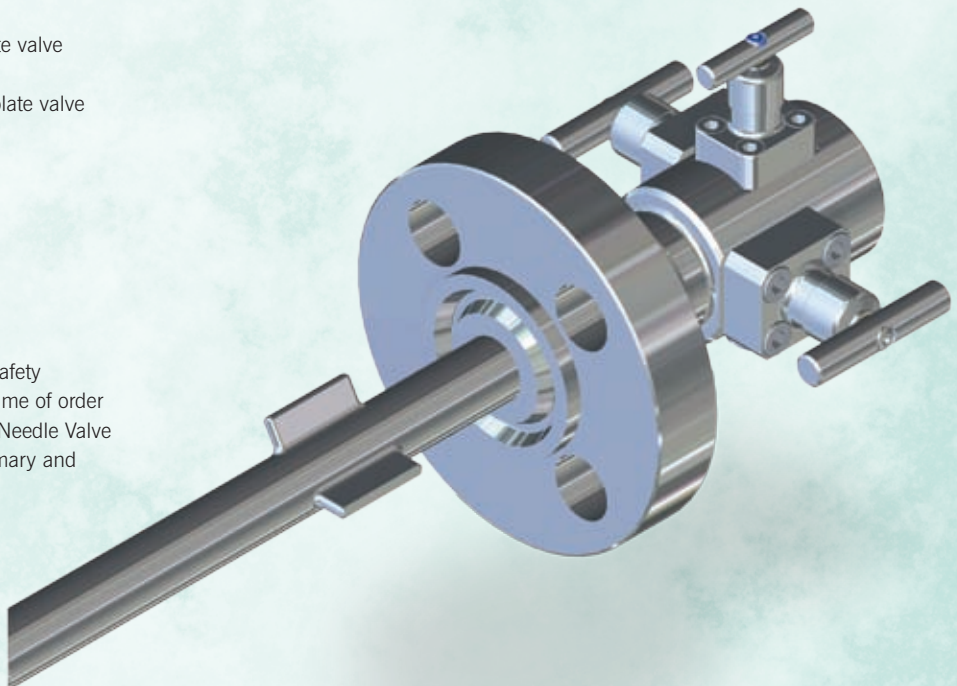
Vent: 1/2" NPT Female (plugged)

Outlet: 1/2" NPT Female

Material: Stainless Steel 316L

Features

- One piece forged body
- Injection quill as part of body for strength and safety
- Length of quill and supports to be specified at time of order
- Finer control of either injection or sampling via Needle Valve
- 8mm bore Bolted Bonnet Needle Valves for primary and secondary isolation
- 5mm bore Bolted Bonnet needle valve vent
- Two piece stem with non-rotating needle
- Dynamic gland with Grafoil firesafe stem seal
- Design Code ASME B16.34, API 6D, EEMUA 182
- Firesafe certified to BS-EN 10497 / API 6FA



Our other product ranges include



SAFELOK™

SAFELOK

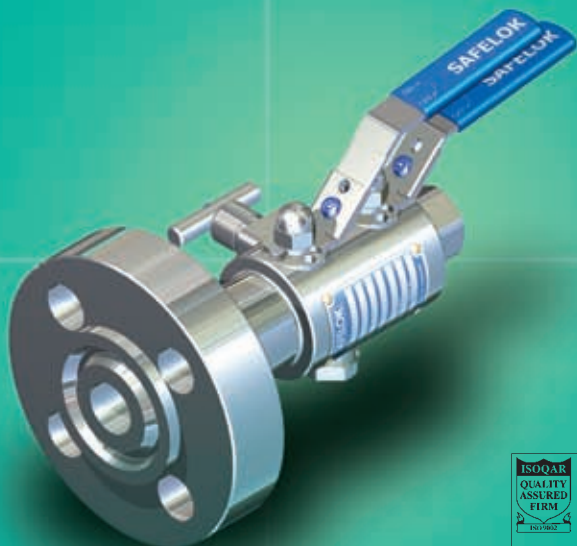
SAFELOK™

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Certificate number 488/94



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