

# PRODUCT BROCHURE



TECHPAK FLOW CONTROLS

*Your Flow Solution Partner*



## Techpak Flow Controls

### BALL VALVE TRUNNION TYPE



#### Product Range

Size	ANSI Class Rating	Construction
2" ~ 48"	150# & 300#	2 Piece & 3 Piece
2" ~ 32"	600# 900# & 1500#	3 Piece
2" ~ 24"	2500#	3 Piece

Ends Construction : Flanged RF / RTJ, Butt Weld Ends

Material Of Construction : Carbon Steel, Stainless Steel, Low Temperature Steel, Duplex, Super Duplex, Super Austenitic Stainless Steel & Exotics Like Inconel, Monel, Hastelloy etc.

Type : Double Block and Bleed, Side Entry, Split Body Design, Fire Safe, Full/Reduced Port, Antistatic device, Blowout Proof Stem, Lever Operated, Gear Operated or Actuated

Email: [info@techpakflowcontrols.com](mailto:info@techpakflowcontrols.com)

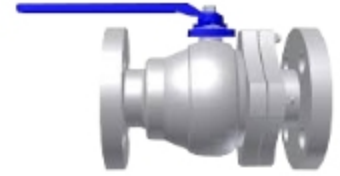
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## Techpak Flow Controls



### BALL VALVE FLOATING TYPE



#### Product Range

Size	ANSI Class Rating	Construction
1/2" ~ 8"	150# & 300#	2 Piece
1/2" ~ 6"	150#, 300#, 600#	2 Piece
1/2" ~ 2"	900# & 1500#	2 Piece
1/2" ~ 2"	Pn64 400# 800# 900# & 1500# Threaded, Butt Weld & Socket Weld Ends	2 Piece
Ends Connection : Flanged RF / RTJ, Butt Weld Ends		
Material of Construction : Carbon Steel, Stainless Steel, Low Temperature Steel, Duplex , Super Duplex, Super Austenitic Stainless Steel & Exotic Like Inconel, Monel, Hastelloy etc.		



### BALL VALVE TOP ENTRY TYPE



#### Product Range

Size	ANSI Class Rating	Construction
4" ~ 60"	150 # 300 # & 600 #	Full Body
4" ~ 36"	900 #	Full Body
4" ~ 12"	2500 #	Full Body
Ends Connection : Flanged RF / RTJ, Butt Weld Ends		
Material of Construction : Carbon Steel, Stainless Steel, Low Temperature Steel, Duplex , Super Duplex, Super Austenitic Stainless Steel & Exotic Like Inconel, Monel, Hastelloy etc.		
Type : Double Block and Bleed, Side Entry, Split Body Design, Fire Safe, Full/Reduced Port, Antistatic device, Blowout Proof Stem, Lever Operated, Gear Operated or Actuated		

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## Techpak Flow Controls

### DOUBLE BLOCK AND BLEED BALL VALVES



#### Product Range

Size	ANSI Class Rating	Type	Construction
1/2" ~ 8"	150# ~ 2500#	Floating, Trunnion Mounted	1, 2, 3 Piece

Ends Connection : Flanged RF / RTJ, Butt Weld Ends

Material of Construction : Carbon Steel, Stainless Steel, Low Temperature Steel, Duplex , Super Duplex, Super Austenitic Stainless Steel & Exotic Like Inconel, Monel, Hastelloy etc.

Type : Double Block and Bleed, Side Entry, Split Body Design, Fire Safe, Full/Reduced Port, Antistatic device, Blowout Proof Stem, Lever Operated, Gear Operated or Actuated

#### DOUBLE BLOCK & BLEED VALVES MAIN FUNCTION

INSTRUMENT DOUBLE BLOCK AND BLEED FOR CHEMICAL INJECTION & SAMPLING

Double Block And Bleed Valves for Chemicals Injection & Sampling Require an Additional straight tubing onto the bore of the valve inlet flange face. this quill enters into the process flow and chemicals can be introduced through the valve. Incorporated in the valve design an additional check valve is required for this application in order to prevent reverse flow and process fluid contaminating the chemical source. For Sampling the reverse is applied



## GATE VALVE



### Product Range

Size	ANSI Class Rating	Construction
2" – 36"	150# & 2500#	Bolted Bonnet / Pressure Seal Bonnet, OS & Y Type Rising Stem

Ends Connection : Flanged RF / RTJ, Butt Weld Ends

#### Material of Construction:

Carbon Steels, Low Temperature Carbon Steel, Martensitic Steels, Austenitic Stainless Steel, Duplex Stainless Steels, Super Duplex Stainless Steels, Nickel Alloys, Nickel Aluminium Bronze , Hastelloy Alloy , Inconel, Titanium Alloy & Carbon Steel with Internal Corrosion Resistant Alloy (CRA) Overlay

**Type:** Wedge type Bolted Bonnet, Wedge type pressure seal bonnet Parallel Slide Bolted Bonnet, Parallel Slide Pressure Seal Bonnet, Conduit Bolted Bonnet Slab Gate, Conduit Bolted Bonnet Expanding Gate



## GLOBE VALVE



### Product Range

Size	ANSI Class Rating	Construction
1/2" - 24"	150# & 2500#	Bolted Bonnet / Pressure Seal Bonnet, OS & Y Type Rising Stem

End Connection: Screwed, Socket Weld, Flanged, Hub End, Butt - Weld

#### Material of Construction:

Carbon Steels, Low Temperature Carbon Steel, Martensitic Steels, Austenitic Stainless Steel, Duplex Stainless Steels, Super Duplex Stainless Steels, Nickel Alloys, Nickel Aluminium Bronze, Hastelloy, Inconel, Titanium Alloy & Carbon Steel with Internal Corrosion Resistant Alloy (CRA) Overlay

**Type:** Bolted Bonnet, pressure, Bellows Seal



## CHECK VALVE



### Product Range

Size	ANSI Class Rating	Construction
1/2" - 24"	150# & 2500#	Bolted Cover / Pressure Seal Bonnet, Lift Check Type, Swing Check, Piston Check, Tilting Disc, Non - Slam Check

End Connection: Screwed, Socket Weld, Flanged, Hub End, Butt - Weld

#### Material of Construction:

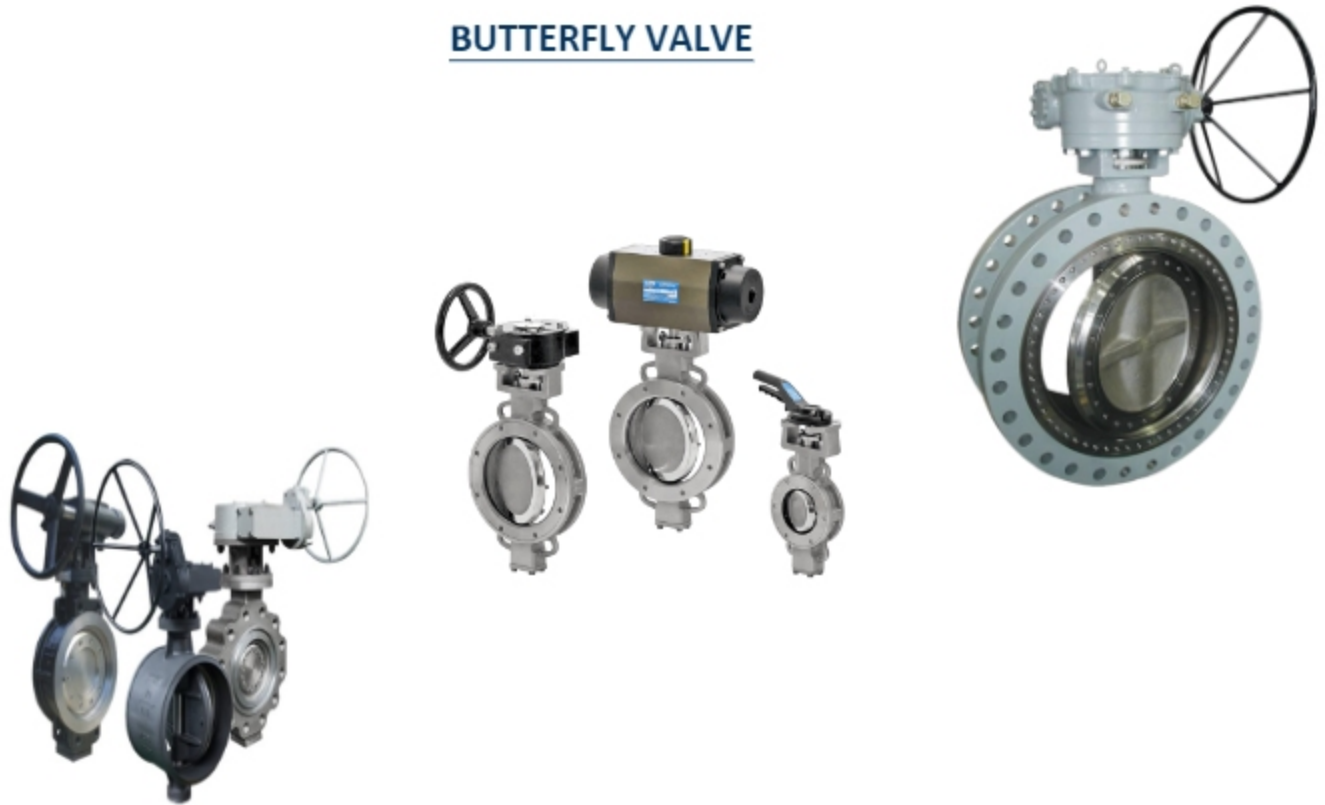
Carbon Steels, Low Temperature Carbon Steel, Martensitic Steels, Austenitic Stainless Steel, Duplex Stainless Steels, Super Duplex Stainless Steels, Nickel Alloys, Nickel Aluminium Bronze , Hastelloy Alloy , Inconel, Titanium Alloy & Carbon Steel with Internal Corrosion Resistant Alloy (CRA) Overlay

**Type:** Swing Type Bolted Bonnet, Piston type check valves, Tilting Disc type Pressure Seal Bonnet



# Techpak Flow Controls

## BUTTERFLY VALVE



### Product Range

Size	ANSI Class Rating	Design
2" ~ 48"	150# 300#	Concentric
2" ~ 32"	150# 300# 600#	Double Eccentric
2" ~ 160"	150# 300# 600# 900# 1500# 2500#	Triple Eccentric

Ends Construction : Wafer/Lug/Double Flanged RF / Butt Weld Ends

Material Of Construction : Carbon Steel, Stainless Steel, Low Temperature Steel, Duplex, Super Duplex, Super Austenitic Stainless Steel & Exotics Like Inconel, Monel, Hastelloy etc.

Type : Lever Operated, Gear Operated, Electric/Pneumatic/ Hydraulic Actuated



MONOFLANGE VALVE



Product Range		
Size	ANSI Class Rating	Construction
1/2" - 2"	150# & 2500#	Combined needle and OS & Y type. Valves available in Raised face and Ring Type Joint Flange Face Styles, One-piece forged construction flange as standard

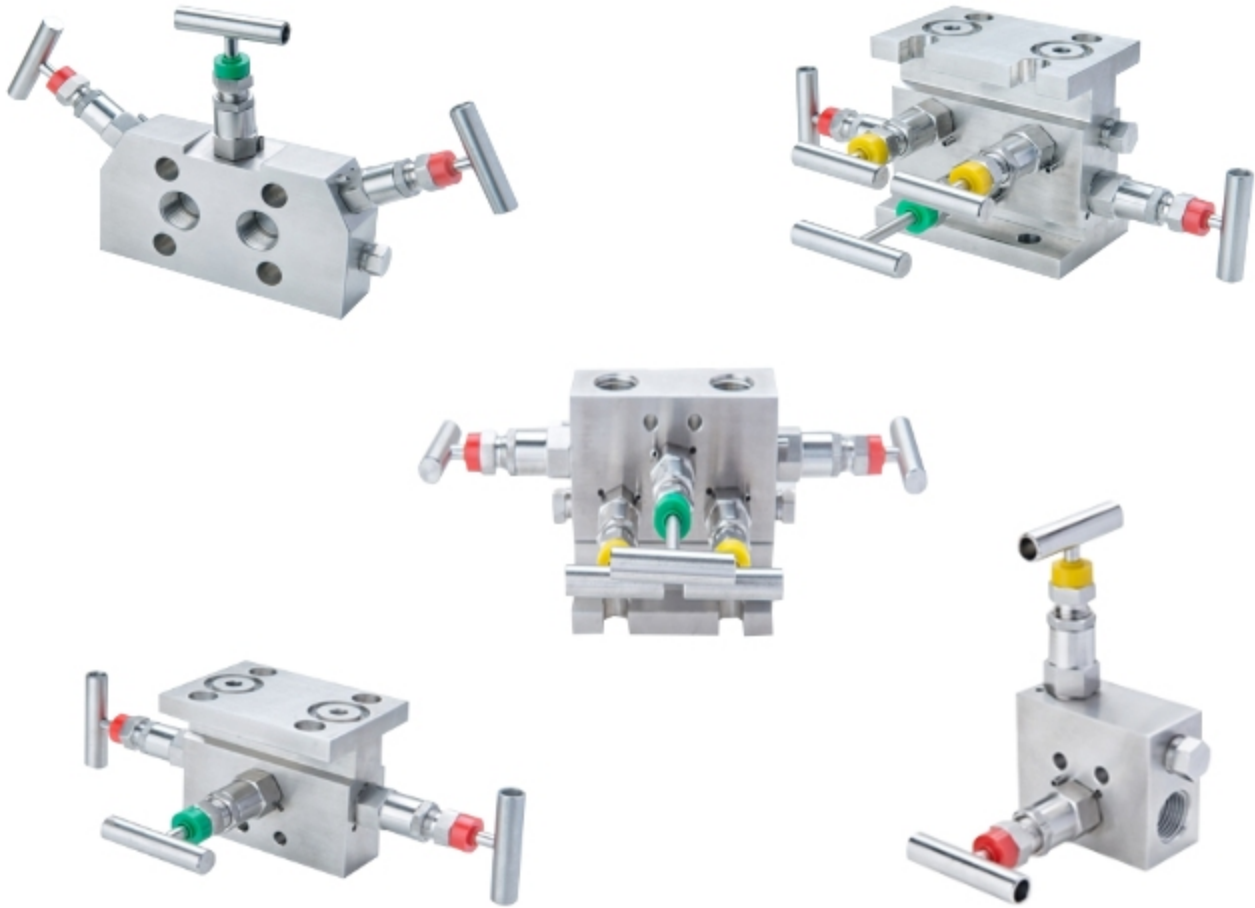
End Connection: 1/2" / 3/4" / 1" NPT (Female) standard outlet, 1/4" & 1/2" NPT (female) standard vent, Variety of optional end connection sizes and thread forms

**Material of Construction:**  
A479 Type 316/316L NACE , A350 & A105 Carbon Steel HASTELLOY C276, MONEL, INCOLOY 825, INCONEL 625, & Super Duplex A182, Titanium.



**Techpak Flow Controls**

## INSTRUMENT MANIFOLDS



**Application :** Pressure & Differential Pressure Instrument

**Features :** 2 Valves, 3Valves & 5 Valves

**Types :** Bar, Straight, 'T' & 'H'

**Material :** Stainless Steel, Duplex Steel & Other Material on request

**Maximum Operating Pressure :** 10,000PSIg

**Operating Temperature Range :** 198 'C' to 648 'C'

**End Type :** NPT, BSPT, BSP

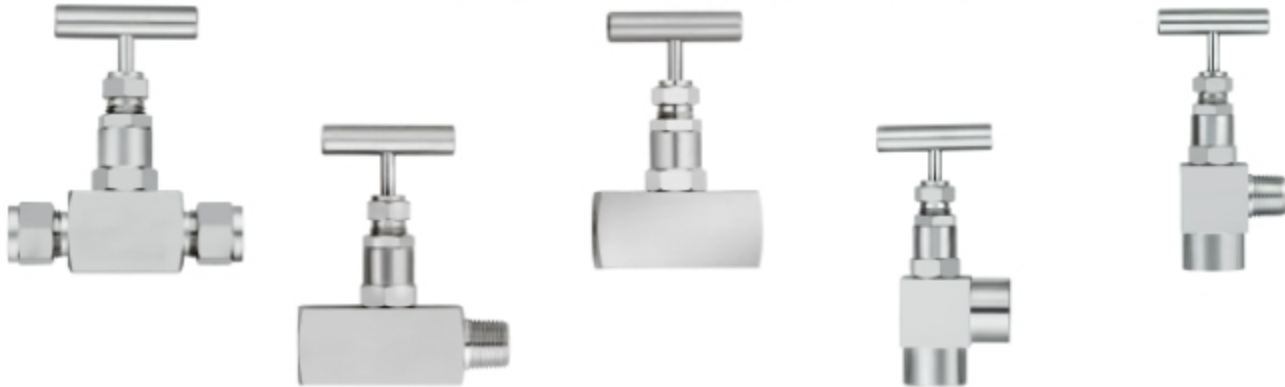
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## Techpak Flow Controls

### INSTRUMENTATION NEEDLE VALVES



In-Line or Angle Patters

**Size :** 1/2" ~ 2" & 6mm ~ 50mm

PTFE 2-piece chevron stem Packing, Graphite Packing

Metal to Metal Seat or PCTFE sofe seat

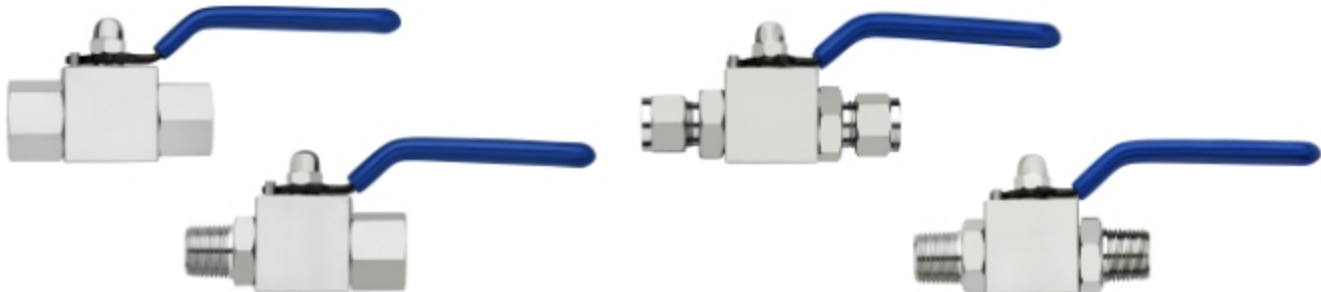
**Material :** Stainless Steel, Duplex Steel & Other Materials on request

Maximum Operating Pressure : 10,000 PSIG, Optional 15000 PSIG available

Operating Temperature Range : 54 'C' to 232 'C'

**End Type :** NPT, BSP, BSPT, OD Tube

### INSTRUMENTATION BALL VALVES



In-Line or Angle Patters

**Size :** 1/4" ~ 2" INCH & 6mm ~ 12mm

PTFE, Graphite, Peek, Delrin Sofe Seats

Metal to Metal Seat or PCTFE sofe seat

**Material :** Stainless Steel, Duplex Steel & Other Materials on request

Maximum Operating Pressure : 10,000 PSIG, Optional 15000 PSIG available

Operating Temperature Range : 54 'C' to 232 'C'

**End Type :** NPT, BSP, BSPT, OD Tube

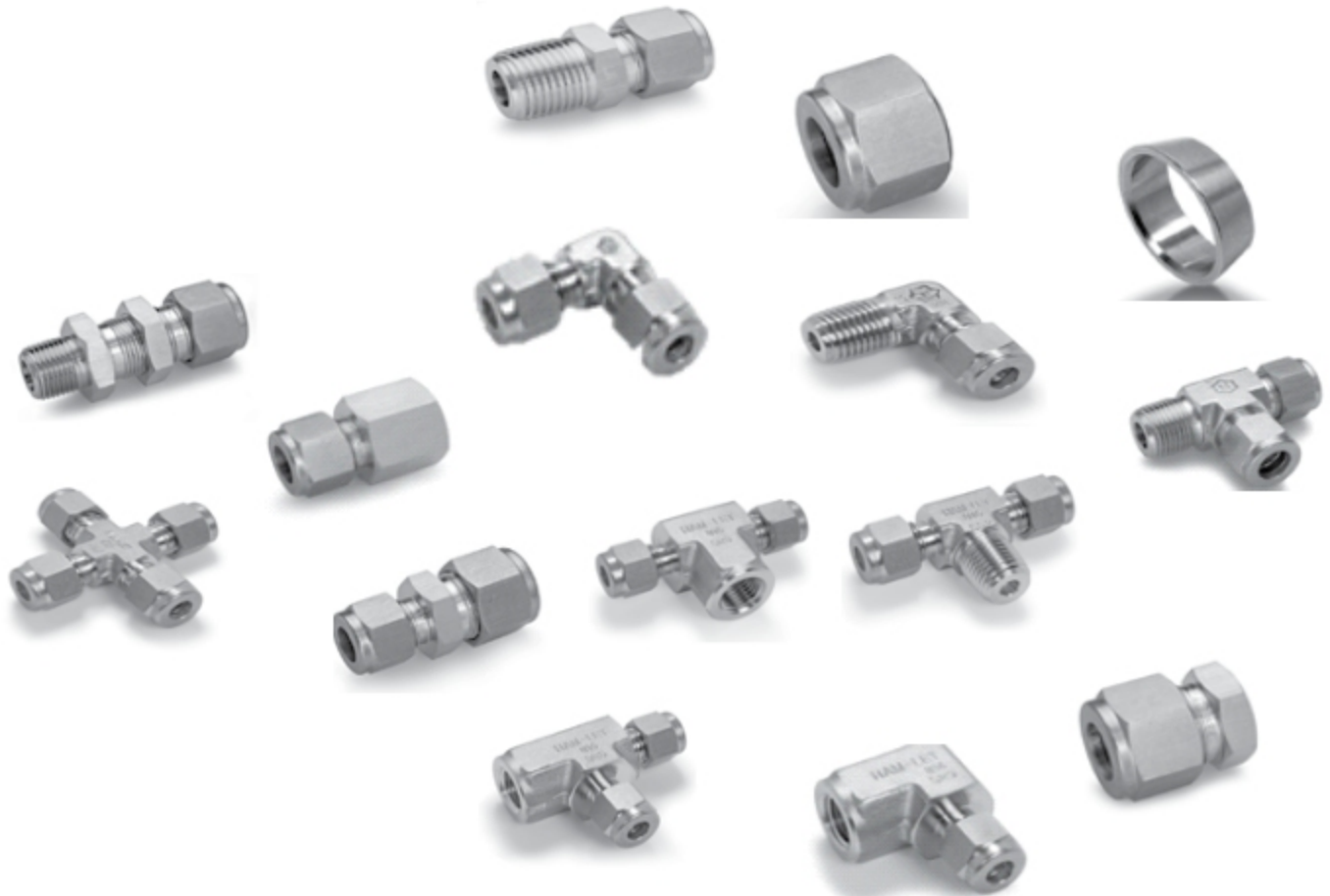
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## DOUBLE COMPRESSION TUBE FITTINGS



**Type :** Double Ferrule Compression Type

**Size :** 1/8" ~ 1-1/2" & 4mm ~ 38mm

**Material :** Stainless Steel, Duplex Steel & Other Materials on request

**Maximum Operating Pressure :** 10,000PSIG

**Operating Temperature Range :** 198 'C' to 648 'C'

**End Type :** NPT, BSPT, BSP Threads

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