

FLOW CONTROL & INDUSTRIAL PRODUCTS

We deliver quality-engineered solutions for precise flow control, measurement and process reliability.



Explore Our Range of Engineered Flow Control, Piping, Instrumentation & Process Products Designed for Reliability, Precision and Durability.



VALVE AND FLOW CONTROL

Control & Instrumentation valves for industrial applications.



INSTRUMENTATION

Pressure gauges, gauge accessories and flow indicators



PIPING & FITTINGS

Pipe & tube fittings, and flanges for reliable piping connections.



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RELIABLE FLOW CONTROL & INDUSTRIAL PRODUCT SOLUTIONS

PNEUMATIC CONTROL VALVES

Pressure Rating: ASME Class 150 to Class 2500

Design: ASME B16.34

Valve Size: 15 To 450mm (½" - 18")

End Connection: Flanged,
Screwed, Butt Weld, Socket Weld.

Actuator: Diaphragm, Piston,
Electrical, Direct / Reverse Acting.

Flow Characteristic: Equal
Percentage, Linear and
Quick Opening

Material: Carbon Steel, SS, Monel,
Duplex, Alloy 20, Hastelloy B/C,
Aluminium Bronze, etc.



**Pneumatic 2-Way
Control Globe Valves**

Pressure Rating: ASME Class 150 to Class 2500

Design: ASME B16.34

Valve Size: 15 to 300 mm (½" - 12")

Body Form: Globe type with Tail
Piece to provide third port

Material: Carbon Steel, SS,
Monel, Duplex, Alloy 20,
Hastelloy B/C, Aluminium
Bronze, PFA Lined, Etc.

Actuator: Diaphragm, Piston, Or
Electrical, Direct / Reverse Acting.

Flow Characteristic:
Linear, On/Off



**Pneumatic 3-Way
Control Globe Valves**

Pressure Rating: ASME Class 150 to Class 2500

Design: ASME B16.34

Valve Size: 15 to 450 mm (½" to 18")

End Connection: Flanged,
Screwed, Butt Weld, Socket Weld.

Actuator: Diaphragm, Piston,
Electrical, Direct/ Reverse Acting.

Flow Characteristic: Equal
Percentage, Linear and
Quick Opening.

Material: Carbon steel, SS, Monel,
Duplex, Alloy 20, Hastelloy B/C,
Aluminium Bronze, etc.



**Pneumatic
Ball Valve**

Design: Design: Wafer / Lug Type

Standard: BS EN 593 / API 609, as applicable

Valve Size: 50 to 600 mm (2" to 24")

Seat Leakage: II to VI
(FCI-70.2)

Material: Cast Iron, Carbon
Steel, Stainless Steel, etc.

Actuator: Diaphragm, Rotary,
or Electrical

Gland Packing: PTFE V Ring
up to 180°C, Grafoil up to 400°C

Flow Characteristic: Throttling
/ On-Off



**Pneumatic
Butterfly Valve**

Design: Flush Bottom / Tank Bottom Valve

Body Material: SS304 / SS316 / As Required

Connection:
Flanged / Butt Weld /
As Required

Actuation:
Pneumatic / Manual

Temperature:
As per Material & Seat



**Pneumatic Flush
Bottom Valve**

Valve Size: 1/2" to 2" (15MM – 50MM)

Rating: 150#, 300#

End Connection: Flanged, Screwed and TC End

Material: ASTM A216 Gr WCB, A351 CF8
(SS304), A351 CF3 (SS 304L), A351 CF8M
(SS 316), A351 CF3M (SS 316L) and
as per special specifications.



**Pneumatic
Pressure Regulating Valve**

End Connection: Female Screwed to BSP or
NPT Ends, Flanged Ends, Triclover.

Trim/Spindle: SS304, SS316, SS316L.

Pressure Rating: ASME Class 150 to Class 2500

Material: CF8, CF8M, CF3M
(Others available on request)

Valve Size: 15mm to 80mm

Body: SS 304 Pressed.

Seat Leakage:
As per ANSI/FCI 70-2,
Class IV/VI, as
applicable



**Pneumatic
Angle Seat Valve**

Material: Carbon steel, Stainless steel, Monel,
Duplex, Alloy 20, Hastelloy B/C, Aluminum
Bronze, PFA Lined etc.

Valve Size: 15mm to 80mm

Trim / Spindle: SS304,
SS316, SS316L.

Body: SS 304.

Actuator: Spring
Steel (IS 4454 Gr. III),
350 to 650 Cycles / Hr.

End Connection: Female
Screwed to BSP or NPT Ends,
Flanged Ends, Triclover.



**Pneumatic
Angle Control Valves**

Pressure Rating: ASME Class 150 to Class 2500

Steam Line Size: 25 Mm To 400 Mm Nb

Connection Size: Steam Side Mounting
Flange – 80 Nb

Water Side Flange: 25 Mm, 40 Mm Nb

Body Moc: Carbon Steel / Alloy
Steel / Stainless Steel

Nozzle Moc: Ss 316 (Stellited
Optional)

Actuator: Pneumatic / Electrical

End Connections: Flanged



**Pneumatic
Desuperheater**



RELIABLE FLOW CONTROL & INDUSTRIAL PRODUCT SOLUTIONS

Valve Size: 1" to 4" (25MM – 100MM)

Rating: 150#, 300#

End Connection: Flanged, Screwed,
and TC end

Actuator: Diaphragm or Piston Type

Material: ASTM A216 Gr WCB,
A351 CF8 (SS304), A351 Cf3
(SS 304L), A351 CF8M (SS 316),
A351 CF3M (SS 316L), and as
per special specifications.

Pilot: Regulates pneumatic
pressure to the actuator
for precise operation.



**Pneumatic
Pressure Relief Valve**

Design: Compact & Modular

Material: SS / Brass / Alloy

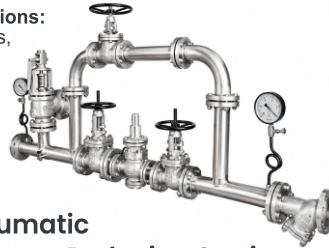
Pressure Control: Adjustable

Components: Regulator, Filter & Relief Valve

Instrumentation: Pressure Gauge / Flow Meter

Applications:

Oil & Gas,
Water,
Power &
HVAC



**Pneumatic
Pressure Reducing Station**

VALVE ACCESSORIES

Actuation Type: Double-Acting / Single-Acting
(Spring Return)

Operating Pressure Range: 3 to 10 bar
(43.5 to 145 psi)

Maximum Pressure: 10 bar (145 psi)

Temperature Range: -20°C to +80°C
-4°F to +176°F)

End Caps: Epoxy
Coated Die-Cast
Aluminum

Fasteners:
Stainless Steel

Springs:
High-Quality Steel



Pneumatic Actuator

Material: Aluminium Die Casting

Flow Capacity: 80 LPM (Sup=1.4 kgf/cm², 20 psi)

Supply Pressure: 1.4~7 kgf/cm² (20~100 psi)

Impedance: 250 ± 150

Enclosure:
IP 65 Weatherproof

Gauge Connection:
1/8 NPT

Ambient Temp.:
-20°C ~ 70°C

Linearity:
± 1.0% (SA) ± 2.0% (DA)
± 1.0% (L-SA) / ± 2.0%
(L-DA) / ± 2.0% ®



Pneumatic Positioner

Design: Rectangular / Round Body

Switch: Honeywell | P&F |
Other on Request.

Material: Aluminium
Pressure Die Cast

Type: Mechanical
Switch ×2 / P&F Proximity

Rating: AC 250V 3A, 125V 5A /
DC 250V 0.2A, 125V 0.4A,
30V 4A

Switches: 1 NO + 1 NC /
2 NOS. (As per Client).

Temperature: -20°C ~ 80°C

Terminal: 8 Points



Standard Limit Switch

Design: Square Body

Switch: Honeywell | P&F | Other on Request.

Rating: AC 250V 3A, 125V 5A / DC 250V 0.2A,
125V 0.4A, 30V 4A

Material: Aluminium Pressure Die Cast

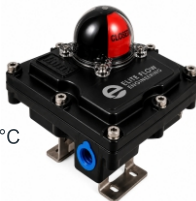
Type: Mechanical
Switch ×2 / P&F Proximity

Switches: 1 NO + 1 NC /
2 NOS. (As per Client).

Temperature: -20°C to 80°C

Terminal: 8 Points

Mounting: NAMUR VDI/VDE
3845, ISO 5211



Square Limit Switch

Body Material: Anodized Aluminium/ Brass/ SS

Guide Assembly: SS 316

Shadow Ring: Copper / Silver / None

Plunger & Insert: SS 430

Spring: SS 302 / Steel

Circlip: SS 302 / Steel

Fasteners: SS 304

Seat & Seals: NBR,
Viton, F. Silicon

**Ambient & Fluid
Temperature:**
-30°C to 75°C



Air Filter Regulator (AFR)

Valve Function: 5/2 Way

Coil Voltage: 24 VDC / 24 VAC /
110 VAC / 230 VAC

Port Size: 1/4 inch

Valve Operation:
Normally Closed (NC)

Body Material: SS

Pressure Range: 0-10 Bar

Media: Air

Seal Material: NBR

End Connection: Namur Mount



Namur Solenoid Valve





RELIABLE FLOW CONTROL & INDUSTRIAL PRODUCT SOLUTIONS

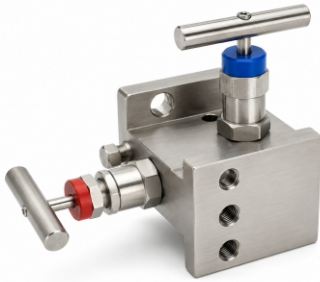
INSTRUMENTATION VALVES

Materials:

- SS-316
- SS-304
- Carbon Steel
- Monel & Inconel

Types:

- H Type
- T Type
- R Type
- RM Type.



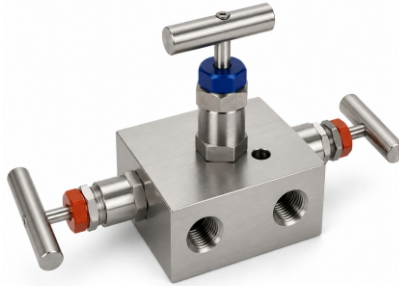
2-Way Manifold Valves

Materials:

- SS-316
- SS-304
- Carbon Steel
- Monel & Inconel

Types:

- H Type
- T Type
- R Type



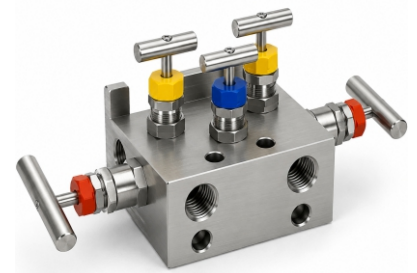
3-Way Manifold Valves

Materials:

- SS-316
- SS-304
- Carbon Steel
- Monel & Inconel

Types:

- H Type
- T Type
- R Type



5-Way Manifold Valves

Valve Function: Flow Regulation & Isolation

Material: Stainless Steel, Carbon Steel, Alloy Materials

Trim Material: Stainless Steel / Alloy Steel

Connection Type:

Threaded /

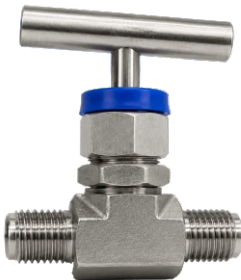
Flow Control:

Precision Throttling

Pressure Rating:

Low to High Pressure Applications

Temperature Range:
Application & Material
Dependent



Needle Valves

Valve Function: Flow Isolation & On/Off Control

Body Material: Stainless Steel 304 / 316

Pressure Rating: Up to 3000 PSI, Depending on
Size & Configuration

Temperature:

Aprx. -20°C to +180°C,
Depending on Seat Material

Seat Material: PTFE /
As per Requirement

Connection Type:

Threaded

Port Type: Full Port /
Reduced Port



SS Panel Mount Ball Valve

Valve Function: Flow Isolation & On/Off Control

Body Material: Stainless Steel 304 / 316

Pressure Rating: Up to 3000 PSI, Depending on
Size & Configuration

Temperature: Aprx. -20°C
to +180°C, Depending on
Seat Material.

Ball Material: SS

Connection:
Threaded

Port Type:
Full Port /
Reduced Port



SS Mini Ball Valve

GENERAL VALVES

Valve Function: Flow Isolation & On/Off Control

Material: Carbon Steel / SS/ Alloy Steel

End Connection: Flanged Ends

Standard: ASME/ ANSI/ DIN/ as required.

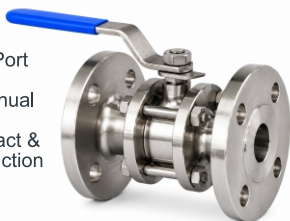
Pressure Rating: Class 150/300/600

Port Type:

Full/ Reduced Port

Operation: Manual

Design: Compact &
Robust Construction



Flanged End Ball Valve

Valve Function: Flow Isolation & On/Off Control

Material: Stainless Steel 316

End Connection: Threaded/ Flanged

Thread Standard: BSP/ NPT

Pressure Rating: As Per Size & Configuration

Port Type:

Full Port / Reduced Port

Operation: Manual

Design: Compact &
Robust Construction



Ball Valve

Size Ranges: 2"-16" (DN50-DN400)

Material of Construction: WCB, WCC, WC6,
WC9, C5, C12, LCB, LCC, CF8, CF8M, etc.

Seat: A105+13%Cr, A105 + Steelited.

End Connection: ANSI B16.5 (Raised Flanged),
ANSI B16.25(Butt Weld)

Face to Face:

As per ASME B16.10

Standard: API 594 /
ASME B16.34,
as applicable

Actuation:
Manual, Gear, etc.



Check Valves



RELIABLE FLOW CONTROL & INDUSTRIAL PRODUCT SOLUTIONS

PRESSURE GAUGE & ACCESSORIES

Measurement Type: Mechanical

Accuracy: Typically $\pm 1.0\%$ to $\pm 2.0\%$ of Full Scale

Dial Size: 40/50/63/100/115/150 mm

Pointer: Aluminium/ Black Finish

Window: Glass /
Acrylic / Polycarbonate

Pressure Units:
bar / psi / kg/cm² /
kPa / As Required

Connection Size:
1/8" / 1/4" / 1/2" BSP
or NPT



**General Purpose
Pressure Gauge**

Accuracy: Typically $\pm 1.0\%$ to $\pm 2.0\%$
of Full Scale

Temp. Range: Material Dependent

Dial Size: 63/100/115/150mm

Pointer: Aluminium Finish

Window: Glass /
Acrylic / Polycarbonate

Measurement Type:
Mechanical

Connection Size:
1/4" / 1/2" / As Required



**Diaphragm Sealed
Pressure Gauge**

Dial Size: 63mm/100mm/150mm(Customizable)

Temp Range: -50°C to +600°C (as required)

Mounting: Adjustable Angle

Stem Length: 500 mm

Connection Size: 1/2 inch

Connection Type: Male

Fill Type: Bimetallic

Window Material: Glass

Stem Dia: 6mm/8mm/10mm/12mm



Bimetal Dial Thermometer

Valve Function: On/Off Isolation

Body Material: SS / Carbon Steel / Brass

P. Rating: Application & Config. Dependent

Temp. Range: Application Dependent

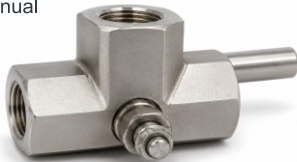
Connection Size: 1/4"/1/2"/As Required

Handle Type: Knob/Lever/As Per Configuration

Sealing: PTFE/Graphite/ as required.

Operation: Manual

Mounting:
Direct
Installation



Pressure Gauge Cock

Valve Function: On/Off Isolation

Body Material: SS / Carbon Steel / Brass

Rating: Application & Config. Dependent

Temp. Range: Application & Material Dependent

Handle Type: Knob/ Lever/ Handwheel

Mounting: Direct/Panel

Construction: Compact &
Robust

Sealing Material: PTFE /
Graphite / as required.

Operation: Manual



Gauge Isolation Valve

Function: Pressure & Surge Protection

Body Material: SS / Carbon Steel / Brass

Rating: A105+13%Cr, A105 + Steelited.

Connection Type: Threaded

Connection Size: 1/4"/1/2"/ As Required

Construction: Compact & Robust

Flow Restriction:
Adjustable /
Fixed Orifice,
As Required

Mounting:
Direct Installation



Pressure Snubber

THERMOWELLS

Material: Stainless Steel (316/316L),
Monel 400, Hastelloy C276, Inconel.

Instrument Connection: 1/2 NPT (F)

Process Connection: M33 X 2 (M)

Immersion Length: 200 mm

Outer Diameter: 25 mm

Taper OD: 16 mm

Taper Length: 100 mm

Inner Diameter: 7 mm



Tapered Thermowell

Well Type: Flanged

Thermowell Material: SS316

Insertion Length: 150 mm

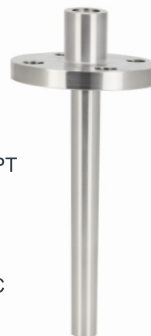
Bore Size: 8 mm

Process Connection: 1/2 in NPT

Shank Type: Straight

Pressure Rating: 300 Class

Temperature Range: 0–600°C



Straight Thermowell

Well Type: Threaded

Thermowell Material: SS316

Insertion Length: 200 mm

Bore Size: 8 mm

Process Connection: 1/2 in BSP

Shank Type: Stepped

Pressure Rating: 600 Class

Temperature Range: 0–800°C



Stepped Thermowell

RELIABLE FLOW CONTROL & INDUSTRIAL PRODUCT SOLUTIONS

PIPE FITTINGS



Description:

Elite Flow Engineering offers a comprehensive range of pipe fittings designed to provide secure, reliable connections in industrial piping systems. Manufactured from quality materials, these fittings are suitable for threaded and butt-weld connections, ensuring dependable performance across various applications.

Our Range of Products

- Female Adaptor
- Male Adaptor
- Half Coupling
- Full Coupling
- Reducer Coupling
- Union
- Equal Tee
- Reducing Tee
- Equal Cross
- Reducing Cross
- Concentric Reducer
- Cap
- Concentric Swage Nipple
- Eccentric Swage Nipple
- Short Stub End
- Long Radius Return
- Short Radius Elbow
- Short Radius Return

TUBE FITTINGS



Description:

Designed to provide a reliable connection between instrumentation tubes and components, double ferrule compression fittings offer secure gripping and sealing without requiring tube welding or threading.

Suitable for:

- Instrumentation tubing
- Process piping connections
- Pressure and measurement systems
- Industrial control systems
- Fluid and gas applications

OLET FITTINGS



Description:

Olet fittings provide a practical solution for creating branch connections from a main pipe. They are used across industrial piping systems where reliable branch connections are required while maintaining system integrity.

Available Olet Types:

- Weldolet
- Threadolet
- Sockolet
- Latrolet
- Elbolet
- Sweepolet
- Nipolet
- Coupolet
- Brazolet
- Nipoflange
- Insert Weldolet
- Flexolet Butt Weld
- Flexolet Threaded
- Flexolet Socket Weld

RELIABLE FLOW CONTROL & INDUSTRIAL PRODUCT SOLUTIONS

SYPHON

Type: Syphon U-Type

Material: Ss316, SS304, ALLOY STEEL

Connection: Male / Female / As Required

Size/Diameter: 1/2 inch

Usage/Application: Utilities Water



U-Type Syphon

Syphon Type: Pressure Gauge Syphon / Straight Syphon

Accessory Type: Syphon

Connection Size: 1/4 inch

Pressure Rating: 40bar

Material: SS316

Connection: Female Thread

Bore Size: 8mm

Thread: BSP



Pressure Gauge Syphons

Syphon Type: Coil Type

Nominal Size: 1/4 inch

Material: Stainless Steel

Thread Type: BSP

Working Pressure: 40 bar

Bore Size: 12 mm

Temperature Limit: 400°C

Connection Type: Female Thread

Surface Finish: Pickled & Passivated



Coil (Pigtail) Syphon

STEAM & CONDENSATE ACCESSORIES

Max Operating Pressure: 32 bar

Trap Type: Thermodynamic

End Connection: Screwed

Connection: 15 mm

Body Material: SS

Rating: PN40



Steam Traps

Connection Size: 20 mm

Connection Type: Socket Weld

Design Pressure: 100 bar

Connection Standard: ASME B16.11

Finish: Pickled and Passivated

Volume: 1 L

Material: SS316



Condensate Pots

Surface Finish: Machined / Passivated

Connection Size: 1/2 inch

Body Material: SS316

End Connection: Male x Female

Thread Standard: NPT

Pressure Rating: 40 bar

Damping Level: Medium



Pressure Snubber

QUALITY ASSURANCE

Quality drives every stage of our process from material selection and precision machining to assembly, testing, and final inspection ensuring reliable performance, safety, and durability.

RELIABLE FLOW CONTROL & INDUSTRIAL PRODUCT SOLUTIONS

FLANGES

Size: NPS 1/2" to 24"

Pressure Class: 150 to 1500
Class 2500 available up to NPS 12

Connection: Butt-Welded to Pipe.

Design:
Tapered Hub for
Stress Distribution.

Face Type:
RF, FF & RTJ.



Welding Neck Flange

Size: NPS 1/2" to 24"

Pressure Class: 150 to 1500
Class 2500 available up to NPS 12

Connection: Fits Over Pipe &
Fillet Welded.

Design:
Easy Alignment &
Installation.

Face Type:
RF, FF & RTJ.



Slip On Flange

Size: NPS 1/2" to 24"

Pressure Class: 150 to 1500
Class 2500 available up to NPS 12

Connection: Pipe Inserted into
Machined Socket.

Design:
Internal & External
Fillet Weld.

Face Type:
RF, FF & RTJ.



Socket Weld Flange

Size: NPS 1/2" to 24"

Pressure Class: 150 to 1500
Class 2500 available up to NPS 12

Connection: Used with Stub End.

Design:
Loose Flange for
Easy Alignment.

Face:
Flat Face (FF).



Lap Joint Flange

Size: NPS 1/2" to 24"

Pressure Class: 150 to 1500
Class 2500 available up to NPS 12

Connection: Internally Threaded Bore.

Thread: NPT, ASME B1.20.1

Application:
No Welding Required.



Threaded Flange

Size: NPS 1/2" to 24"

Pressure Class: 150 to 1500
Class 2500 available up to NPS 12

Design: Solid Flange with No Bore.

Function:
Pipe-End Closure &
Isolation.

Face Type:
RF, FF & RTJ.



Blind Flange

CONTACT US TODAY!

From flow control and instrumentation to piping components and process accessories, **Elite Flow Engineering** provides reliable industrial products for demanding applications.

Have a requirement? Let's discuss it.



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