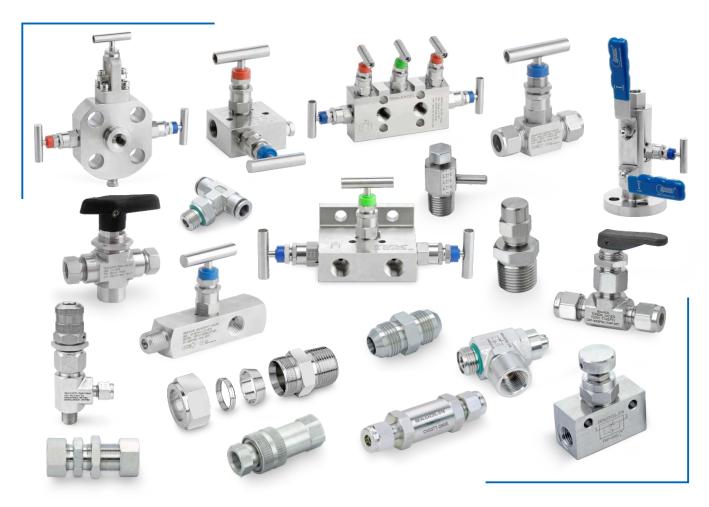




Fittings & Valves For Instrumentation, Hydraulic & Pneumatic Applications











The secret of our success is our engineering expertise, product accuracy, consistency, timely delivery and prompt communications







ABOUTUS

SEALEXCEL® (INDIA) PVT. LTD. A fast growing manufacturing company having over 3 decades of experience and expertise in manufacturing and marketing high quality Fittings and Valves suitable for Instrumentation, Hydraulic and Pneumatic applications, used in industries like Automobile, Chemical, Petrochemical, oil & Gas, nuclear, Power Plant, Pharmaceutical, Marine, Packaging, Printing Industries etc.

We have three fully well equipped modern inhouse manufacturing facilities in India with highly motivated team of employees and up to date technology assisting us to achieve reliable products at competitive price with better product flexibility, consistency and optimum service.

DESIGN. RESEARCH AND DEVELOPMENTS

With our long experience and expertise, we carefully study the applications and criticality of each and every component of all our products specially for surface finish, run out, sharp edges, critical dimensions etc. With due care, we design our products using the latest Cad and Cam System with continuous Research and Development Programme to withstand the need of high performance world class consistent quality products and tested to rigid testing procedures including helium leak detection and Hydrostatistics Burst Pressure test to check and verify the maximum safety and reliability of our products in deep vacuum and high pressure applications.





Our manufacturing expertise, capability and commitment for quality allows us to meet the most stringent demands of our customers







MANUFACTURING

We manufacture each and every component of our products in our own manufacturing facilities using various CNC Lathes, VMC Lathes, and Auto screw machines etc. to very close tolerances by closely monitoring critical dimensions, surface finishes, run out, sharp edges etc. after referring and meeting the requirements as per drawing, under rigid quality controlled procedures approved to ISO 9001: 2008, PED, and ATEX which ensures consistent quality and high performance products.

QUALITY

SEALEXCEL® has total quality management culture from the incoming high quality traceable raw material to finish products ensuring our commitment to efficient and high quality products compatible with ISO 9001: 2008, PED, and ATEX. This is achieved by continuous improving the products, process and systems.

At every stage, we have controlled quality checks so that all our supplies reaches to our customers with zero defect.







Our Aim is to satisfy our customers with our World Class quality products combined with competitive price.







TESTING FACILITES

We have following Inhouse product performance testing facilities including Helium leak detection and Hydrostatic Burst pressure test to ensure high quality, maximum safety and reliability of our products in Deep Vacuum, high pressure, Temperature and Vibration Applications.

- Helium leak Test.
- Hydro Static Proof Pressure Test.
- Pneumatic (Nitrogen) Proof Pressure Test.
- Pressure Impulse and Vibration Test.
- Burst Pressure Test.
- Temperature Cycling Test.
- Rotary Flex Test.
- Flexure and Fatigue Test.
- Make and Remake Test.

The above tests are carried out on regular basis.

PACKAGING

All exposed threads of the products are protected with plastic caps to prevent damage, each assembly is packed in sealed and clear polyethylene bag for cleanliness and carefully packed in cardboard boxes to prevent transit damage. Each and every package is labeled for proper and easy identification.





The Total quality and innovation are our strength for future business with you.



QUALITY CERTIFICATIONS

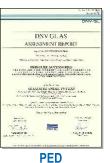
SEALEXCEL's total quality management and culture associated with Design, Research & Development, world class production practices inclusive of rigid quality check at every stage of production and requisite inhouse product performance testing facilities ensure high quality and zero defect products.

Our total quality system, control and culture has earned us various quality and type approval certifications as shown below.

- ISO 9001: 2008 Q.S.
- PED 97/23/EC For SEALEXCEL Tube Fittings
- PED 97/23/EC For SEALEXCEL Instrumentation & Pneumatic Valves
- ATEX 94/9/EC For SEALEXCEL Instrumentation & Pneumatic Valves
- Type approval to ECE Regulation No 110 and ISO 15500 for SEALEXCEL "Well-Lok" Twin Ferrule Tube Fittings used in Natural Gas and Hydrogen applications.
- Type approval to ASTM F1387-99(2012) mandatory test and to ASTM F1387-99(2012) supplementory test for SEALEXCEL "Well-Lok" Twin Ferrule Tube Fittings used in Instrumentation and Tubing system applications within Oil, Gas, Petrochemical, Nuclear, Power Plant, Hydraulic, Marine Industries etc.
- Type approval to BS 4368:4: 1984 for SEALEXCEL "Well-Lok" Twin Ferrule Tube Fittings used in Marine, Off-shore and Industrial piping system applications.
- Type approval to BS 4368:4: 1984 for SEALEXCEL "Bite-Lok" Single Bite Ring Tube Fittings used in Marine, Off-shore and Industrial piping system applications.
- Helium Leak Test for SEALEXCEL "Well-Lok" Twin Ferrule Tube Fittings
- Type approval to MSS SP-99-2010 for Instrumentation Valves and Manifolds



DNV GLAS









ISO 9001: 2008

PED

ATEX

ASTM F1387-99(2012) ASTM F1387-99(2012)













ECE R 110

BS 4368:4: 1984

BS 4368:4: 1984

ARAI

Helium Leak Test

MSS SP-99-2010

The above certifications confirms that, SEALEXCEL Fittings and Valves meets the international specifications requirements for high quality products ensuring maximum reliability, safety and high performance.

Our Broad Product range serves wide variety of applications.



For Instrumentation Applications



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For Hydraulic Applications

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Fittings & Valves For Instrumentation Applications



Advanced Technology in design, development and production of

Fittings and Valves for Instrumentation, Process Tubing etc. ensure

A TOTAL CUSTOMER SATISFACTIONS



SEALEXCEL® A Cost Effective Source For World Class Consistent Quality, Reliability And High Performance Fittings And Valves For It's Customer's

A TRUE PARTNER

WELL-LOK™ TWIN FERRULE COMPRESSION TUBE FITTINGS



SEALEXCEL® Well-lok™ Twin Ferrule Compression Tube Fittings have been carefully design to 4:1 safety factor and manufactured to close tolerances to provide leak-free performance in Instrumentation, process tubing etc. SEALEXCEL® Well-Lok™ Tube Fittings are type approved to ECE R110, ISO 1500, ASTM F1387-99 (2012), BS4368 part 4:1984, and Helium Leak Test. These Certificates confirms that SEALEXCEL® Well-Lok™ Twin Ferrule Tube Fittings meets the international specifications requirements for high quality products ensuring maximum reliability, consistency, safety and high performance under adverse, harsh, stressful environments like, vibration, high pressure, high temperature and deep vacuum etc.



See SEALEXCEL® Catalogue No. 0406/TF for full details.

FEATURES

- Available in material SS316, Inconnel, Monel, Duplex etc.
- Material Traceable to certified material test reports
- Low torque assembly
- Internally silver plated nuts
- · Positive leak-free seal
- Peak of back ferrules are case hardened
- Variety of end connections
- Available Fractional Size :1/8" to 1-½" Tube OD
 Metric Size : 3mm to 38mm Tube OD
- Stainless Steel Front Ferrule size above 25mm at 1" ODT are PFA coated, Silver plated for application above 232°C, add "HT" to the basic part number for high temperature

OPERATING PARAMETERS

Pressure Rating : upto 10000 psig (Depending on size)

Temperature Rating : upto 428°C

SEALEXCEL[®] Well-lok[™] Twin Ferrule Tube Fittings undergo the following precision performance test on regular basis to ensure maximum reliability and high performance products.

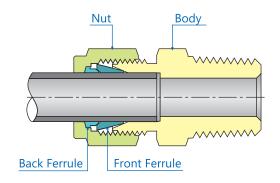
FEATURES	DESCRIPTION	BENEFITS
HELIUM LEAK DETECTION TEST	SEALEXCEL® Well-Lok™ Twin Ferrule Tube Fittings offers deep vaccum capability with good quality tubing and will be leak tight at vaccum level of 10° torr. This test was conducted in-house with ASM 142 Helium Leak Detector (Alcatel)	Ensures maximum safety and reliability in deep vaccum applications.
BURST PRESSURE TEST	SEALEXCEL® Well-Lok™ Twin Ferrule Tube Fittings have been tested to tube burst i.e. 4 x permissible working pressure of the tube. RESULT: No leakage, cracks or damage were detected in the Tube Fittings throughout the test.	Ensures maximum safety and reliability in high pressure applications.

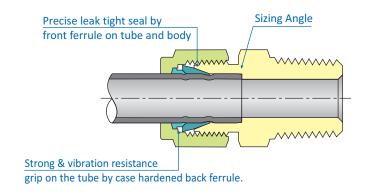
The above test result shows that, SEALEXCEL Well-Lok Twin Ferrule Tube Fittings are of World Class consistent quality and reliable products for Instrumentation, Process Tubing etc.

WELL-LOK™ TWIN FERRULE COMPRESSION TUBE FITTINGS



FEATURES AND BENEFITS OF SEALEXCEL® Well-Lok™ TWIN FERRULE TUBE FITINGS





Hand Assembled-Well-Lok™ Fitting & Tube

Fully Assembled-Well-Lok™ Fitting & Tube

FEATURES	DESCRIPTION	BENEFITS
MATERIAL TRACEBILITY	SEALEXCEL [®] Well-Lok [™] Twin Ferrule Tube Fittings bodies and Nuts in Stainless Steel 316 are traceable to certified material test report	Traceability provides and ensures extra safety capability.
NUT	The compression Nuts are internally silver plated.	Reduce the torque during the assembly and also extend the fittings life by preventing galling across a wide range of temperatures.
BACK FERRULES	Precision machined and the leading edge of Back Ferrules are case hardened.	 Strong tube grip Excellent vibration resistance Ensure high performance

WELL-LOKTM TWIN FERRULE COMPRESSION TUBE FITTINGS



FEATURES	DESCRIPTION	BENEFITS
FRONT FERRULES	Front Ferrules are precision machined with sharp and uniform biting edge and also the material used is having hardness more than the hardness of tube recommended.	Ensure precision leak free connection between Tube and body resulting leak tight Gasseal
SIZING ANGLE	SEALEXCEL® provides a slight taper in the base of the tube socket in the Fitting body.	Reduces the possibility of the tube sticking in Body during disassembly
GAUGEABILITY	SEALEXCEL® manufacture each and every components of Tube Fittings to very close tolerances	Gaugeability ensures consistent quality and allows easy inspection for proper installation before a system is pressurized.
INTERCHAGEABILITY Nut Back Ferrule Front Ferrule Body Swagelok® SEALEXCEL® Parker A-Lok®	The Design of SEALEXCEL® Well-Lok™ Twin Ferrule Tube Fittings are similar to certain other well-known Fittings manufacturers including Swagelok®, Parker A-Lok®etc.	SEALEXCEL® guarantee the functional interchangeability with certain other well-known fittings manufacturers without disturbing the performance and reliability
PIPE THREADS Female NPT Male NPT Pipe Thread	Manufactured to maximum tolerances.	Ensure to have maximum thread engagement ensuring robust and safe connection.

FINE-LOK® SINGLE FERRULE TUBE FITTINGS



SEALEXCEL® Fine-Lok® Single Ferrule Tube Fittings have been carefully design and manufactured to close tolerances to provide leak free performance in control system, process instrumentation devices etc. The components of Fine-Lok® Tube Fittings and Well-Lok™ Twin Ferrule Tube Fittings® are totally interchangeable with each other.



FEATURES

- Available in material SS316, Inconnel, Monel, Duplex etc.
- Material Traceable to certified material test report
- Low torque assembly
- Positive leak-free seal
- Variety of end connections
- Available Fractional Size : 1/8" to 1-½" Tube OD
 Metric Size : 3mm to 38mm Tube OD
- Taper pipe threads are machined to maximum tolerances to have maximum thread engagement

OPERATING PARAMETERS

Pressure Rating : upto 10000 psig (Depending on size)

Temperature Rating: upto 428°C

See SEALEXCEL® Catalogue No. 0406/TF for full details.

PRECISION PIPE FITTINGS

SEALEXCEL Precision Pipe Fittings are designed and manufactured for instrumentation and process control connections between pipe.

FEATURES

- Available in material SS316, Inconnel, Monel, Duplex etc.
- Material Traceable to certified material test report
- Variety of end connections and configurations
- Positive leak-free seal
- Working pressure calculated in accordance with power piping code ANSI B31-1 and refinery piping code ANSI B31-3
- Precision thread construction to maximum tolerances to have maximum thread engagement which ensure leak-free, robust and safe connection.
- Available Size: 1/8" to 1" pipe thread

OPERATING PARAMETERS

Pressure Rating : upto 10000 psig (Depending on size)

Temperature Rating: upto 428°C



BALL VALVES SERIES - BV011





FEATURES

- Available in Material SS316
- Material Traceable to certified material test report
- One piece Hexagon body design, Bi-directional Flow
- PTFE Ball Seat, Bubble tight shut-off
- Anti blow-out stem, Low torque operation
- Floating ball design provides seat wear compensation
- Quarter turn positive stop handle
- Available Size: 1/4" to 1" Female NPT, BSPP, BSPT Pipe Connections
- Every valve is factory tested

APPLICATION

- Instrument Air Lines
- General Plant Service
- Low Pressure Instrument Lines

OPERATING PARAMETERS

Pressure Rating : Upto 1000 psig (69 bar) at CWP with PTFE packing seat

Temperature Rating : -45°C to 232°C with PTFE packing and seat

See SEALEXCEL® Catalogue No. VI-611 for full details.

BALL VALVES SERIES - BV021

FEATURES

- Available in Material SS316
- Material Traceable to certified material test report
- Three piece Hexagon Bar Stock body design
- Bi-directional Flow
- PTFE or PEEK Ball Seat, Bubble tight shut-off
- Anti blow-out stem, Low torque operation
- Floating ball design provides seat wear compensation
- Quarter turn positive stop handle
- Variety of end configurations includes SEALEXCEL[®] Well-Lok[™]
 Tube Fittings, Male/Female NPT, BSPP, BSPT pipe connections
- Available Fractional Size: 1/4" to 1" Tube OD

Metric Size: 6 mm to 25 mm Tube OD

Pipe Thread Size: 1/4 to 1"

Every valve is factory tested



OPERATING PARAMETERS

Pressure Rating : Upto 3000 psig (204 bar) at CWP with PTFE packing and seat

: Upto 6000 psig (408 bar) at CWP with PTFE packing and peek seat

Temperature Rating : -45°C to 232°C with PTFE packing and seat

: -45°C to 232°C with PTFE packing and peek seat

See SEALEXCEL® Catalogue No. VI-611 for full details.

APPLICATION

- Instrument Air Lines
- General Plant Service
- High Pressure Instrument Lines

BALL VALVES SERIES - BV031





FEATURES

- Available in Material SS316
- Material Traceable to certified material test report
- Three piece Hexagon Bar Stock body design
- Bi-directional Flow
- Spring loaded PEEK seat ensure bubble tight sealing and compensate for wear and Pressure/Temperature changes.
- Anti blow-out stem, Low torque operation
- Floating ball design
- Quarter turn positive stop handle
- Variety of end configurations includes SEALEXCEL[®] Well-Lok[™] Tube Fittings, Male/Female NPT, BSPP, BSPT pipe connections
- Available Fractional Size: 1/4" to 1" Tube OD Metric Size: 6 mm to 25 mm Tube OD Pipe Thread Size: 1/4" to 1"
- Every valve is factory tested

OPERATING PARAMETERS

: Upto 6000 psig (408 bar) at CWP with PTFE packing and peek seat Pressure Rating Temperature Rating : -20°C to 204°C with PTFE packing and peek seat, Viton® 'O' Ring

See SEALEXCEL® Catalogue No. VI-611 for full details.

APPLICATION

- Instrument Air Lines
- General Plant Service
- **High Pressure Instrument Lines**

BALL VALVES SERIES - BV091

FEATURES

- Available in Material SS316
- Material Traceable to certified material test report
- Simple design with one piece Body
- Bi-directional Flow
- One piece ball stem
- Low torque and easy operation
- Panel mountable
- Straight and angle Patterns
- Variety of end configurations includes SEALEXCEL[®] Well-Lok[™] Tube Fittings, Male / Female NPT, BSPT, BSPP pipe connections
- Available Fractional Size: 1/4" to 3/4" Tube OD Metric Size: 6 mm to 16 mm Tube OD Pipe Thread Size: 1/8" to 1/2"

Every valve is factory tested



OPERATING PARAMETERS

Pressure Rating : upto 3000 psig (204 bar) at CWP Temperature Rating : -54°C to 160°C with PTFE packing

See SEALEXCEL® Catalogue No. VI-611 for full details.

APPLICATION

- Instrument Air Lines
- General Plant Service
- Medium Pressure Instrument Lines

THREE WAY BALL VALVES SERIES - BV099





FEATURES

- Available in Material SS316
- Material Traceable to certified material test report
- Three way compact design with one piece Body
- One piece ball stem
- Blow-out proof one piece ball stem
- Low torque and easy operation
- Panel mountable
- Handles indicates flow direction
- Variety of end configurations includes SEALEXCEL® Well-Lok™ Tube Fittings, Male / Female NPT, BSPT, BSPP pipe connections
- Available Fractional Size: 1/4" to 3/4" Tube OD Metric Size: 6 mm to 16 mm Tube OD Pipe Thread Size: 1/8" to 1/2"
- Every valve is factory tested

OPERATING PARAMETERS

Pressure Rating : upto 3000 psig (204 bar) at CWP Temperature Rating : -54°C to 160°C with PTFE packing

See SEALEXCEL® Catalogue No. VI-611 for full details.

APPLICATION

- Instrument Air Lines
- General Plant Service
- Medium Pressure Instrument Lines

BALL VALVES SERIES - BV103 (For High Pressure Applications)

FEATURES

- Available in Material SS316
- Material Traceable to certified material test report
- Three piece Hexagon Bar Stock body design
- Bi-directional Flow
- Spring loaded PEEK seat ensure bubble tight sealing and compensate for wear and Pressure/Temperature changes.
- Anti blow-out stem, Low torque operation
- Floating ball design.
- Quarter turn positive stop handle
- Variety of end configurations includes SEALEXCEL[®] Well-Lok™ Tube Fittings, Male/Female NPT, BSP, BSPT pipe connections
- 10 mm bore ball
- Available Fractional Size: 1/4" to 3/4" Tube OD

Metric Size: 6 mm to 12 mm Tube OD

Pipe Thread Size: 1/4" to 1/2"

Every valve is factory tested



OPERATING PARAMETERS

Pressure Rating : upto 10000 psig (680 bar) at CWP with PTFE packing and PEEK seat Temperature Rating: -20°C to 180°C with PTFE packing, peek seat and viton 'O' Ring

See SEALEXCEL® Catalogue No. VI-611 for full details.

APPLICATIONS

- Instrument Air Lines
- General Plant Service
- **High Pressure Instrument Lines**

BALL VALVES SERIES - BV105





FEATURES

- Available in Material SS316
- Material Traceable to certified material test report
- Three piece body design, Panel mountable
- Low torque operation, Bi-directional Flow
- PTFE or PEEK Ball seat
- Micro finish ball provides a positive leak free seal
- Floating ball design provides seat wear compensation.
- Quarter turn positive stop handle.
- Variety of end configurations includes SEALEXCEL® Well-Lok™ Tube Fittings, Male/Female NPT, BSPT pipe connections
- Available Fractional Size: 1/8" to 3/4" Tube OD Metric Size: 3 mm to 16mm Tube OD Pipe Thread Size: 1/8" to 1/2"
- Every valve is Factory tested.

OPERATING PARAMETERS

: upto 3000 psig (204 bar) at CWP with PTFE packing and seat Pressure Rating

: upto 6000 psig (408 bar) at CWP with PTFE packing and PEEK seat

Temperature Rating: -54°C to 180°C with PTFE packing and seat

-54°C to 232°C with PTFE packing and Peek seat

See SEALEXCEL® Catalogue No. VI-611 for full details.

APPLICATION

- High Pressure Instrument Lines
- CNG and other Gases
- General Plant Service
- Instrument Air Lines

BALL VALVES SERIES - BV105L

FEATURES

- Available in Material SS316
- Material Traceable to certified material test report
- Three piece body design, Panel mountable
- Low torque operation, Bi-directional Flow
- Spring loaded PEEK seat ensure bubble tight sealing and compensate for wear and Pressure/Temperature changes.
- Floating ball design
- Quarter turn positive stop handle.
- Variety of end configurations includes SEALEXCEL[®] Well-Lok[™] Tube Fittings, Male/Female NPT, BSPT, BSPP pipe connection
- Available Fractional Size: 1/4" to 3/4" Tube OD

Metric Size: 6 mm to 16mm Tube OD Pipe Thread Size: 1/8" to 1/2"

Every valve is Factory tested.



OPERATING PARAMETERS

: upto 6000 psig (408 bar) at CWP with PTFE packing and PEEK seat Pressure Rating

Temperature Rating: -54°C to 232°C with PTFE packing and PEEK seat

APPLICATION

- CNG and other Gases
- General Plant Service
- Instrument Air Lines

TWO/THREE WAY BALL VALVES SERIES - BV107





APPLICATIONS

- CNG and other Gas Application
- Instrument Air lines.
- High pressure Instrument lines
- General Plant Service.

See SEALEXCEL® Catalog No. BV107-814 for full details.

FEATURES

- Available in Material SS316
- Two/Three way Compact Design.
- Trunnion Ball Design having bearing support to minimize operating torque and seat wear
- Blow-out Proof Stem.
- Panel Mounting.
- Low Operating Torque.
- Handle Indicates Direction of Flow.
- Positive Handle Stops.
- Spring Loaded PEEK Seat ensure Bubble Tight sealing and compensate for wear and Pressure/Temperature changes
- Variety of End configuration includes SEALEXCEL Well-Lok Tube Fittings, NPT/BSPT pipe connections.
- Available Fractional Size: 1/4" to 3/4" Tube OD
 Metric Size: 6 mm to 16mm Tube OD
 Pipe Thread Size: 1/4" to 1/2"
- 100% Factory tested.

OPERATING PARAMETERS

Pressure Rating : Upto 6000 psig (408 bar) at cwp.

Temperature Rating : -50°C to 160°C

BALL VALVES SERIES - BV201

FEATURES

- Available in Material SS316
- Three piece body design
- Floating ball design
- Spring loaded seat to compensate for seat wear and Pressure/Temperature changes.
- Anti Blow-out stem
- Four bolt Construction
- Available Fractional Size : 1/4" ODT to 1" ODT

Metric Size : 6 mm ODT to 25 mm ODT Pipe Thread Size : 1/4" to 1" NPT, BSPT, BSPP



OPERATING PARAMETERS

Pressure Rating : Upto 1500 psig (103 bar)

Temperature Rating: 180°C with PTFE packing and Viton® 'O' Ring seals

APPLICATIONS

- General Plant Service.
- Instrumentation lines.
- Pipe Lines.

See SEALEXCEL® Catalog No. BV107-814 for full details.

NEEDLE VALVES SERIES - INV01





APPLICATIONS

- General plant service
- Instrument Isolation
- Hydraulic and pneumatic
- Pressure measurement devices
- Venting

See SEALEXCEL® Catalogue No. VI-611 for full details.

FEATURES

- Available in Material SS316
- Material Traceable to certified material test report
- Low operating Torques
- Forged Body, straight and Angle patterns
- Panel mountable
- Variety of stem tips
- PTFE packing standard
- Flow coefficient (Cv) from 0.09 to 1.8
- Orifice size: 0.078" (2mm), 0.172" (4.4mm), 0.250" (6.4mm) 0.375" (9.5mm)
- Variety of end configurations includes SEALEXCEL® Well-Lok™ Tube Fittings, Male/Female NPT, BSPT and BSPP pipe connections
- Available Fractional Size: 1/8" to 3/4" Tube OD Metric Size: 3 mm to 16 mm Tube OD Pipe Thread Size: 1/8" to 1/2"
- Every valve is factory tested.

OPERATING PARAMETERS

Pressure Rating : upto 5000 psig (340 bar) at CWP Temperature Rating : -54°C to 232°C with PTFE Packing

NEEDLE VALVES SERIES - BS01

FEATURES

- Available in Material SS316, all wetted parts in accordance with NACE MR01-75
- Material Traceable to certified material test report
- Low operating torques, PTFE packing standard
- Bar stock Body in Straight Patterns, Panel mountable
- Anti Blow-out stem, Variety of stem tips
- Flow coefficient (Cv) From 0.35 to 1.8
- Orifice size: 0.156" (4.0 mm), 0.250" (6.4mm), 0.375" (9.5mm)
- Variety of end configuration includes SEALEXCEL[®] Well-Lok[™] Tube Fittings, Male / Female NPT, BSPT, BSPP pipe and tube socket weld connections
- Available Fractional Size: 1/4" to 3/4" Tube OD Metric Size: 6 mm to 12 mm Tube OD Pipe Thread Size: 1/8" to 3/4"
- Every valve is factory tested

APPLICATION

- Hydraulic and Pneumatic General Plant Service
- Instrument Isolations
- Venting

- Pressuring measurement
 - devices



OPERATING PARAMETERS

Pressure Rating : upto 6000 psig (408 bar) at CWP Temperature Rating: -54°C to 232°C with PTFE packing

upto 428°C with optional graphite packing

NEEDLE VALVES SERIES - BS03





APPLICATIONS

- General Plant Service
- Instrument Isolations
- Hydraulic and Pneumatic
- Pressuring measurement devices
- Venting

See SEALEXCEL® Catalogue No. VI-611 for full details.

FEATURES

- Available in Material SS316, all wetted parts in accordance with NACE MR01-75
- Material Traceable to certified material test report
- Low operating torques
- Bar stock Body in Straight Patterns
- Anti Blow-out stem, Variety of stem tips
- PTFE packing standard
- Flow coefficient (Cv) From 0.35 to 1.8
- Orifice size: 0.156" (4.0 mm), 0.250" (6.4mm), 0.375" (9.5mm)
- Variety of end configuration includes SEALEXCEL[®] Well-Lok[™] Tube Fittings, Male / Female NPT, BSPT, BSPP pipe and tube socket weld connections
- Available Fractional Size: 1/4" to 3/4" Tube OD Metric Size: 6 mm to 16 mm Tube OD Pipe Thread Size: 1/8" to 3/4"
- Every valve is factory tested

OPERATING PARAMETERS

Pressure Rating : upto 6000 psig (408 bar) at CWP Temperature Rating: -54°C to 232°C with PTFE packing

upto 428°C with optional graphite packing

NEEDLE VALVES SERIES - BS05

FEATURES

- Available in Material SS316, all wetted parts in accordance with NACE MR01-75
- Material Traceable to certified material test report
- Bar Stock Body Straight and angle patterns
- Panel Mountable
- Rolled and plated thread for greater strength and smoother operation
- Packing below the threads prevents lubricant washout
- Variety of end configurations includes SEALEXCEL® Well-Lok™ Tube Fittings, Male/Female NPT, BSPT, BSPP pipe and tube socket weld connections
- Flow coefficients (Cv) from 0.35 to 2.2
- Orifice size: 0.156" (4mm), 0.250" (6.4mm) and 0.437" (11mm)
- Available Fractional Size: 1/4" to 3/4" Tube OD Metric Size: 6 mm to 16 mm Tube OD Pipe Thread Size: 1/8" to 3/4"
- Every valve is factory tested.

APPLICATION

- Instrument Isolations
- Venting
- Hydraulic and Pneumatic General Plant Service
 - Pressuring measurement devices



OPERATING PARAMETERS

Pressure Rating : upto 6000 psig (408 bar) at CWP

Temperature Rating: -54°C to 232°C with standard PTFE packing

upto 428°C with optional Graphite packing

NEEDLE VALVES SERIES - BS31

(For High Pressure Applications)





APPLICATIONS

- General Plant Service
- Instrument Isolation
- Hydraulic and Pneumatic
- Pressure measurement devices
- Venting

See SEALEXCEL® Catalogue No. VI-611 for full details.

FEATURES

- Available in Material SS316, all wetted parts in accordance with NACE MR01-75
- Material Traceable to certified material test report
- · Bar Stock Body Straight patterns, Panel mountable
- Rolled and plated thread for greater strength and smoother operation
- Packing below the threads prevents lubricant washout
- Variety of end configurations includes SEALEXCEL[®] Well-Lok[™] Tube Fittings Male/Female NPT, BSPT, BSPP, pipe and tube socket weld connections
- Hardened Stem Tip
- Flow coefficients (Cv) from 0.35 to 0.86
- Orifice size: 0.156" (4mm) and 0.250" (6.4mm)
 Available Fractional Size: 1/4" to 1/2" Tube OD

Metric Size : 6 mm to 12 mm Tube OD Pipe Thread Size : 1/8" to 1/2"

• Every valve is factory tested.

OPERATING PARAMETERS

Pressure Rating : Upto 10,000 psig (680 bar) at CWP

Temperature Rating : -54°C to 232°C with standard PTFE packing

upto 428°C with optional Graphite packing

NEEDLE VALVES SERIES - BS99 (For High Pressure Applications)

FEATURES

- Available in Material SS316, all wetted parts in accordance with NACE MR01-75
- Material Traceable to certified material test report
- Low operating torque
- Bar Stock Body in Straight Pattern, Panel mountable
- Rolled and plated threads for greater strength and smoother operation.
- Packing below the threads prevents lubricant washout.
- Anti Blow-out stem provides positive back seal in full open position.
- Stem packing below the threads protect the flow stream from lubricant contamination on the threads or washout and also protect stem thread from potential damaging effect of the media.
- Viton® O-Ring and back-up Ring seal.
- Variety of stem tips to provide greater flexibility
- Orifice size : 0.156" (4mm) and 0.250" (6.4mm)
- Flow coefficients (Cv) from 0.35 to 0.86
- Variety of end configurations includes Male/Female NPT, BSP, pipe connections.
- Available Size: 1/4" to 1/2" Pipe Thread
- Every valve is factory tested.

See SEALEXCEL® Catalogue No. VI-611 for full details.



OPERATING PARAMETERS

Pressure Rating : Upto 10,000 psig (680 bar) at CWP Temperature Rating : Upto 120° C with Viton $^{\circ}$ 'O' Ring

APPLICATION

- General Plant Service
- Pressure measurement devices
- Hydraulic and Pneumatic
- Venting

RISING STEM PLUG VALVES SERIES - RSV111





APPLICATIONS

- General Plant Service
- Instrumentation
- Pressure measurement devices
- Venting

See SEALEXCEL® Catalogue No. VI-611 for full details.

FEATURES

- Available in Material SS316, all wetted parts in accordance with NACE MR01-75
- Material Traceable to certified material test report
- Bar Stock Body Straight Patterns
- · Straight through orifice hence roddable for easy cleaning
- Replaceable seals and seats
- Stem dust seal protect stem from external contamination.
- Rolled and plated thread for greater strength and smoother operation
- Packing below the threads prevents lubricant washout.
- Panel mounted feature option
- Gauge ports available
- Variety of end configuration includes SEALEXCEL[®] Well-Lok[™] Tube Fittings, Male / Female NPT, BSPT and BSPP pipe connection.
- Orifice size: 0.187" (4.8mm) and 0.250" (6.4mm)
- Available Size: 1/4" to 3/4" Pipe Thread
- · Every valve is factory tested

OPERATING PARAMETERS

Pressure Rating : upto 6000 psig (408 bar) at CWP

Temperature Rating : -29°C to 204°C with PEEK or Acetal seat

material and Viton® or Kalrez® O-Rings

GAUGE/ROOT VALVES SERIES - GRV11

FEATURES

- Available in Material SS316, all wetted parts in accordance with NACE MR01-75
- Material Traceable to certified material test report
- Rolled and plated threads for greater strength and smoother operation.
- Packing below the threads prevents lubricant washout.
- Bar Stock Body straight pattern
- 1/2" and 3/4" Male to 1/2" Female end connections
- 1/2" Female gauge port standard
- Non rotating self centering stem tips
- Every valve is factory tested

APPLICATION

- General Plant service
- Instrument Isolation
- Hydraulic and Pneumatic
- Pressure measurement devices
- Venting



OPERATING PARAMETERS

Pressure Rating : upto 6000 psig (408 bar) at CWP

Temperature Rating: -54°C to 232°C with standard PTFE packing

upto 428°C with optional Graphite packing

MANIFOLD VALVES SERIES - MFV2 (Two Way)





APPLICATIONS

Pressure and Differential pressure Instrumentations

FEATURES

- Available in Material SS316, NACE certified on request
- Material Traceable to certified material test report
- Design to 4:1 safety factor
- · Low operating torques
- Anti Blow-out stem, non-rotating self centering stem tips.
- PTFE packing standard, Graphite packing for high temperature and to meet fire testing to API 607
- Available with 2 way design
- Available with Pipe to Pipe, Pipe to Flange, Flange to Flange, Remote, Remote mounting Base vent, Base, Direct and Integral mounting.
- Convenient method of blocking, bleeding and calibrating pressure instruments.
- Designed for connection system impulse line & transfer
- Combine the function of a tee, calibration valve, isolation valve, all tubing and fittings in a single valve configuration.
- Standard port sizes up to 1/2" NPT/BSPP/BSPT
- Every valve is factory tested

OPERATING PARAMETERS

Pressure Rating : upto 6000 psig (408 bar) at CWP Temperature Rating : -54°C to 232°C with PTFE packing

upto 428°C with optional graphite packing

See SEALEXCEL® Catalogue No. MFV-615 for full details.

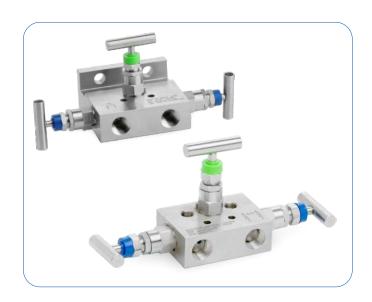
MANIFOLD VALVES SERIES - MFV3 (Three Way)

FEATURES

- Available in Material SS316, NACE certified on request
- Material Traceable to certified material test report
- Design to 4:1 safety factor
- Low operating torques
- Anti Blow-out stem, non-rotating self centering stem tips.
- PTFE packing standard, Graphite packing for high temperature and to meet fire testing to API 607
- Available with 3 way design
- Available with Pipe to Pipe, Pipe to Flange, Flange to Flange, Remote, Remote mounting Base vent, Base, Direct and Integral mounting.
- Convenient method of blocking, bleeding and calibrating pressure instruments.
- Designed for connection system impulse line & transfer
- Combine the function of a tee, calibration valve, isolation valve, all tubing and fittings in a single valve configuration.
- Standard port sizes up to 1/2" NPT/BSPP/BSPT
- Every valve is factory tested

APPLICATIONS

• Pressure and Differential pressure Instrumentations



OPERATING PARAMETERS

Pressure Rating : upto 6000 psig (408 bar) at CWP Temperature Rating : -54°C to 232°C with PTFE packing

upto 428°C with optional Graphite

packing

MANIFOLD VALVES SERIES - MFV5 (Five Way)





APPLICATIONS

Pressure and Differential pressure Instrumentations

OPERATING PARAMETERS

Pressure Rating : upto 6000 psig (408 bar) at CWP Temperature Rating: -54°C to 232°C with PTFE packing

upto 428°C with optional graphite packing

See SEALEXCEL® Catalogue No. MFV-615 for full details.

FEATURES

- Available in Material SS316, NACE certified on request
- Material Traceable to certified material test report
- Design to 4:1 safety factor
- Low operating torques
- Anti Blow-out stem, non-rotating self centering stem tips.
- PTFE packing standard, Graphite packing for high temperature and to meet fire testing to API 607
- Available with 5 way design
- Available with Pipe to Pipe, Pipe to Flange, Flange to Flange, Remote, Remote mounting Base vent, Base, Direct and Integral mounting.
- Convenient method of blocking, bleeding and calibrating pressure instruments.
- Designed for connection system impulse line & transfer
- Combine the function of a tee, calibration valve, isolation valve, all tubing and fittings in a single valve configuration.
- Standard port sizes up to 1/2" NPT/BSPP/BSPT
- Every valve is factory tested

MONOFLANGE VALVES SERIES - FMV

FEATURES

- Available with OS & Y bolted bonnet, integral screwed bonnet and bolted bonnet design.
- ANSI B16.5 Flanged Inlet Connections 1/2" to 2" Sizes.
- Class 150 rated to Class 2500 rated.
- API Flanged Inlet Connections also available.
- 1/2" 14 NPT (Female) Standard Outlet.
- 1/4" x 18 NPT (Female) Standard Vent.
- Standard Material of construction: SS316 / SS316L, Carbon Steel and Duplex.
- Fire Safe designed to meet BS 6755 Part 2/API 607 are available on request.
- Material Traceability to EN10204 3.1.B (Body only).
- · Anti Blow-Out stem & low operating torque.
- Bubble tight shut off seats 17-4 PH tips standard.
- PTFE is a standard Valves Packing, Graphite is also available on request.
- Every Valve is Factory Tested.

OPERATING PARAMETERS

Pressure Rating: Class 150 to Class 2500 in accordance with ASME B16.5. • Temperature Rating: Up to 204°C with PTFE Packing.

Up to 428°C with Graphite Packing.



APPLICATIONS

- Double block & bleed instrument isolation.
- Gauge isolation, Instrument drain.
- Chemical injection connection, Sample connection.
- Chemical seal instrument isolation.
- Piping / instrument interface.
- Direct mounting of instruments.
- Remote mounting of instruments.

INTEGRAL BLOCK & BLEED VALVES SERIES DBB31





APPLICATIONS

- Double block & bleed instrument isolation.
- Gauge isolation, Instrument drain.
- Chemical injection connection, Sample connection.
- · Chemical seal instrument isolation.
- Piping / instrument interface.
- Direct mounting of instruments.
- Remote mounting of instruments.

FEATURES

- ANSI B16.5 Flanged Inlet Connections 1/2" to 2" Sizes.
- Class 150 rated to Class 2500 rated.
- API Flanged Inlet Connections also available.
- 10 mm and 15 mm Full bore Valve design.
- 1/2" 14 NPT (Female) Standard Outlet.
- 1/4" x 18 NPT (Female) Standard Vent, 1/2" x 14 NPT (Female) optional vent.
- Standard Material of construction: SS316 / SS316L, Carbon Steel and Duplex.
- Fire Safe designed to meet BS 6755 Part 2/API 607 are available on request.
- Material Traceability to EN10204 3.1.B (Body only).
- Anti Blow-Out stem & low operating torque.
- Valves are available with Packing, PTFE, PEEK or Graphite.
- Bubble tight shut off.
- Every Valve is Factory Tested

OPERATING PARAMETERS

Pressure Rating : Class 150 to Class 2500 in

accordance with ASME B16.5.

Temperature Rating: Up to 204°C.

See SEALEXCEL® Catalogue No. MFV-615 for full details.

PURGE VALVES SERIES - PGV

FEATURES

- Available in Material SS316
- Material Traceable to certified material test report
- Compact and convenient installation
- Vent hole in the cap bleeds, drains or purges system pressure
- Cap is crimped to valve body to prevent accidental disassembly
- Require only quarter turn with a wrench from finger tight position to ensure a leak tight seal
- Variety of end configurations includes SEALEXCEL[®] Well-Lok[™] Tube Fittings Male/Female NPT and SAE pipe connections
- Available Fractional Size: 1/8" to 1/2" Tube OD
 Metric Size: 6 mm to 10 mm Tube OD
 Pipe Thread Size: 1/8" to 1/2"
- Every valve is factory tested

OPERATING PARAMETERS

Pressure Rating : upto 4000 psig (276 bar) at CWP

Temperature Rating : -54°C to 232°C



APPLICATIONS

- General Plant Service
- Instrumentation
- Hydraulic and Pneumatic
- Venting

BLEED VALVES SERIES - BLV





FEATURES

- Available in Material SS316
- Material Traceable to certified material test report
- Compact and convenient installation
- Vent tube design prevents accidental removal of the stem
- · Vent tube directs excess liquid or gas from system line
- Flow coefficient (Cv) 0.25
- Orifice size 0.125" (3.20mm)
- Variety of end configurations includes Male NPT, BSPT and SAE pipe connections
- Available Size: 1/8" to 1/2" Pipe Thread
- Every valve is factory tested

OPERATING PARAMETERS

Pressure Rating : upto 10000 psig (689 bar) at CWP

Temperature Rating : -54°C to 454°C

See SEALEXCEL® Catalogue No. VI-611 for full details.

APPLICATION

- General Plant service
- Instrument isolation
- Hydraulic and pneumatic
- Pressure measurement devices
- Venting

TOGGLE VALVES SERIES - TGV01

FEATURES

- Available in Material SS316 all wetted parts in accordance with NACE MR01-75
- Material Traceable to certified material test report
- Rugged and compact design
- Quick opening and closing
- Straight and angle flow Patterns
- Panel mountable
- Flow coefficient (Cv) from 0.11 to 0.70
- Orifice sizes : 0.080" (2mm), 0.125" (3.2mm),
 - 0.250" (6.4mm)
- Variety of end configurations includes
 SEALEXCEL[®] Well-Lok[™] Tube Fittings, Male / Female NPT,
 BSPT pipe connections
- Available Fractional Size: 1/8" to 1/2" Tube OD
 Metric Size: 3 mm to 12 mm Tube OD
 Pipe Thread Size: 1/8" to 3/8"
- Every valve is factory tested

OPERATING PARAMETERS

Pressure Rating : upto 3000 psig (206 bar) at CWP

Temperature Rating : -28°C to 93°C



APPLICATIONS

- General Plant Service
- Hydraulic and Pneumatic
- Pressure measurement devices
- Venting

CHECK VALVES SERIES - CV03





FEATURES

- Available in Material SS316, all wetted parts in accordance with
- Material Traceable to certified material test report
- Instant shut off in upstream condition
- The cracking pressure from 1 to 25 psig (0.07 to 1.8 bar)
- Variety of end configuration includes SEALEXCEL[®] Well-Lok[™] Tube Fittings, Male / Female NPT, BSPT and BSPP pipe connection
- Available Fractional Size: 1/8" to 1" Tube OD Metric Size: 3 mm to 25 mm Tube OD Pipe Thread Size: 1/8" to 1"
- Every valve is factory tested.

APPLICATION

- Gas
- Liquid
- Fluid handling

OPERATING PARAMETERS

Pressure Rating : upto 3000 psig (205 bar) at CWP Temperature Rating: upto 198°C with Viton® O-Ring

See SEALEXCEL® Catalogue No. VI-611 for full details.

MICRON IN-LINE FILTERS SERIES - MLF01

FEATURES

- Available in Material Ss316
- Material Traceable to certified material test report
- Remove system particulate contaminants
- Inline Filters are for use where space is limited
- Replaceable filter elements
- Variety of end configuration includes SEALEXCEL[®] Well-Lok[™] Tube Fittings, Male / Female NPT, BSPT, BSPP pipe connections
- Available Fractional Size : 1/8" to 1/2" Tube OD Metric Size: 3 mm to 12 mm Tube OD Pipe Thread Size: 1/8" to 3/8"

APPLICATIONS

- Liquid
- Fluid handling

OPERATING PARAMETERS

: upto 3000 psig (204 bar) at CWP Pressure Rating

Temperature Rating : -28°C to 482°C

RELIEF VALVES SERIES - RVL4





FEATURES

- Available in Material SS316
- Material Traceable to certified material test report
- Compact Design
- Material Traceable to certified to material test report
- Cracking pressure adjustable externally while the valve is in operation
- Lock wire feature secure a given pressure setting
- Colour coded springs and labels indicate spring cracking range
- Back pressure has minimum effect on cracking pressure
- Available Size: 1/4", 6 mm and 8 mm ODT SEALEXCEL Twin Ferrule Tube Fittings and 1/4" NPT, BSPP, BSPT Pipe Threads
- Every valve is factory tested

OPERATING PARAMETERS

Cracking Pressure : Adjustable from 50 to 400 psig (0.68 to 27 bar)

Maximum Pressure Rating: 600 psig (41 bar)

Orifice Size : 4.8 mm

Temperature Rating : -20°C to 200°C with Viton 'O' Ring

APPLICATION

- General Plant Service
- Instrument Isolations
- Hydraulic and Pneumatic
- Pressure measurement devices

See SEALEXCEL $^{\mbox{\tiny 8}}$ Catalogue No. VI-611 for full details.

RELIEF VALVES SERIES - RVH4

FEATURES

- Available in Material SS316
- Material Traceable to certified material test report
- Compact Design
- Cracking pressure adjustable externally while the valve is in operation
- · Lock wire feature secure a given pressure setting
- Colour coded springs and labels indicate spring cracking range
- Back pressure has minimum effect on cracking pressure
- Available Size: 1/4", 6 mm and 8 mm ODT SEALEXCEL Twin Ferrule Tube Fittings and 1/4" NPT, BSPP, BSPT Pipe Threads
- Every valve is factory tested



OPERATING PARAMETERS

Cracking Pressure : Adjustable from 50 to 6000 psig (3.4 to 413 bar)

Maximum Pressure Rating: 8000 psig (552 bar)

Orifice Size : 4.8 mm

Temperature Rating : -20°C to 200°C with Viton 'O' Ring

APPLICATION

- General Plant Service
- Instrument Isolations
- Hydraulic and Pneumatic
- Pressure measurement devices



Fittings & Valves For Hydraulic Applications



With continuous up-gradation of our technology, process and system play an important role for SEALEXCEL's ability to produce world class consistent quality Fittings and Valves for it's customer ensure

maximum reliability and operational safety under high pressure.

37° FLARE TUBE FITTINGS TO SAE J514



SEALEXCEL® 37° Flare Tube Fittings are compact and simple in designs for assembly and ensure maximum reliability, optimum performance and operational safety where vibration, high pressure and thermal shock exist. It is used in virtually every applications that uses Fluid power for motion control and automation.



See SEALEXCEL® Catalogue No. 05-010/FTF for full details.

FEATURES

- Available in Material SS316
- Material Traceable to certified material test report
- 37° Flare Fittings performs extremely well even under severe vibration and thermal shocks
- Upon tightening, the sleeve ensures tube alignment with fitting axis, reduces mechanical strain on tube and compensates for vibration.
- Fitting can be equally coupled to metric or inch tubes
- Tube does not undergo distortion, remains constant and fluid pressure losses are negligible
- The system leak free integrity remains after disassembly and reassembly
- Variety of end connections
- Available Fractional Size : 1/8" to 1" Tube OD
 Metric Size : 6mm to 25mm Tube OD

OPERATING PARAMETERS

Pressure Rating : upto 5000 psig (Depending on size)

Temperature Rating: upto 428°C

TUBE FITTINGS TO DIN 2353

SEALEXCEL® Bite-Lok® Tube Fittings are designed according to DIN 2353 and carefully manufactured to provide leak free connection between tube and components in fluid systems which ensure maximum reliability, optimum performance and operational safety

FEATURES

- Available in Material SS316
- Material Traceable to certified material test report
- L Series (Light duty for low pressure application)
 S Series (Heavy duty for high pressure application)

Available size : 6mm to 42mm ODT (L-Series)

: 6mm to 38mm ODT (S-Series)

OPERATING PARAMETERS

Pressure Rating : upto 630 bar

(Depends on series and size of fittings)

Temperature Rating: upto 428°C



QUICK CONNECT COUPLINGS

Series-210





FEATURES

- Available in Material SS316 with Viton 'O' Ring
- Robust in Construction.
- High Flow Capacity.
- Positive Valve stop.
- Captive valve seal ensures leak free sealing, minimize the seal washout or damage from high velocity Fluid acceleration.
- Seal with PTFE back- up rings designed to ensure reliable and leak free sealing even in high pressure application.
- Ball Locking mechanism Provides safe and reliable connections.
- The industries interchange design and interchangeable with ISO 7241-1 Series 'B' couplings.
- Available Size: 1/8" to 1" Pipe thread
- End Connections: Available with NPT (National Pipe Taper), BSP/ISO(British Standard Pipe/ International Standard Organization), Metric Threads.

OPERATING PARAMETERS

Pressure Rating : Up to 3500 PSI at CWP

Temperature Rating: Up to 200°C

(Depending on sealing material)

APPLICATION

- Chemicals and Pharmaceuticals
- Machine Tool/Automation
- Off Shore

- Oil Refineries
- Ship Building
- Steel Mills

See SEALEXCEL® Catalogue No. PNP-1112 for full details.

SWIVEL JOINTS

FEATURES

- Available in Material Steel and Stainless Steel 316
- Seal Ring are available in Nitrile/EPDM/Viton®/Aflas®
- Hardened bearing races for extended service life.
- Full Flow design minimizes pressure drop for optimum system performance.
- Sealed bearing design isolated bearing race from media and environment.
- Reduced bearing load design minimizes wear in the bearing race and extends services life.
- PTFE back-up rings support primary seal for high-pressure applications.
- Steel with zinc yellow chromate plating for maximum corrosion resistance.
- Variety of seal option available.
- Available Size : 1/4" to 1" Pipe thread
- End Connections: Available with NPT(National Pipe Taper), BSP/ISO (British Standard Pipe/International Standard Organisation), JIC 37 degree, SAE 'O' Ring Straight Threads.

OPERATING PARAMETERS

Pressure Rating : Up to 5000 PSI at CWP

Temperature Rating: Up to 180°C

(Depending on sealing material)

See SEALEXCEL® Catalogue No. PNP-1112 for full details.



APPLICATION

- Injection Moulding
- Pulp and Paper
- Logging
- Refuse Trucks
- Utility Equipment
- Mobile Equipment
- Hose Reels
- Pressure Washers
- Machine Tools
- Steel Mills
- Palletizers etc.



Fittings & Valves For **Pneumatic Applications**



Automation Specially by Pneumatic is rapidly increasing in the process of Industrial growth and transformation. Considering the growing demand for Stainless Steel Pneumatic products in aggressive environments and corrosive fluids. SEALEXCEL has designed, developed and manufactured Stainless Steel Fittings and Valves to meet the requirement of Pneumatic Applications.

These products are most suitable in aggressive and corrosive environments which are generally used in chemicals, Food, Packaging, Printing Industries etc.

STAINLESS STEEL PUSH-IN-FITTINGS





SEALEXCEL® Stainless Steel Push-in-Fittings consist of six precision components such as Body, Releasing Sleeve, Washer, Gripping Collet, Guide Rings and 'O' Rings. These components have been carefully designed and manufactured to meet the high quality requirements in Pneumatic Applications.

These Fittings are Resistance to Aggressive Environments and Fluids, which are generally used in Chemicals, Food & Packaging Industries etc.



FEATURES

- Available in Material SS316 with Viton 'O' Ring
- Compact and attractive design
- Reliable leak tight sealing system
- Easy for Manual connection and dis-connection
- No tools required for connection and dis-connection
- Full Flow without pressure drop
- Automatic tube sealing with 'O'Ring and locking with gripping collect
- Available with NPT, BSPT, BSPP and SAE Straight thread pipe connections
- Available Metric Size: 4mm to 16mm Tube OD Fractional Size :3/16" to 5/8" Tube OD

OPERATING PARAMETERS

Pressure Rating : upto 225 PSI at CWP

Temperature Rating : upto 150°C

COMPATIBLE WITH

- Semi rigid Nylon Tube
- Flexible Polyurethane Tube
- Low density Polyurethane
- Flouropolymer FEP 140 Tube
- Stainless Steel and copper Tube (with groove)

MATERIAL OF CONSTRUCTION

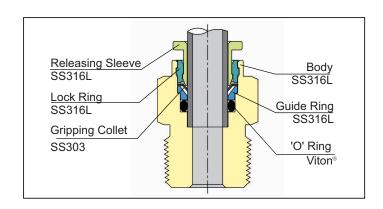
Body, Guide Ring : SS 316L Lock Ring, Releasing Sleeve: SS 316L : SS 303 Gripping Collet

Note: 'O' Ring in EPDM are available on request.

'O' Ring : Viton®

APPLICATION

- Pneumatic Control
- Air Supply to pneumatic machine
- Automatic devices
- Laboratories (Medical, Pharmaceutical etc.)
- Instrumentations



STAINLESS STEEL PUSH-ON-FITTINGS





FEATURES

- Available in Material SS316
- Reliable leak tight sealing system
- Full Flow without pressure drop
- Tube sealing and locking by tightening the nut
- Available with NPT, BSPT, BSPP and SAE Straight thread pipe connections
- Available Metric Size : 6mm to 12mm Tube OD Fractional Size :1/4" to 1/2" Tube OD

OPERATING PARAMETERS

Pressure Rating : upto 225 PSI at CWP

Temperature Rating : upto 180°C

COMPATIBLE WITH

- Polyethylene (PE)
- PTFE
- Flouropolymer
- Polyurethane (PV)

APPLICATION

- Pneumatic Control
- Air Supply to pneumatic machine
- Automatic devices
- Laboratories (Medical, Pharmaceutical etc.)
- Instrumentations

See SEALEXCEL® Catalogue No. PNP-0615 for full details.

CHECK VALVES SERIES-CV01

SEALEXCEL® Stainless Steel Check Valves Series-CV01 Valves are of Compact And Precise in Design to Provide Single Direction Flow for low pressure application

SEALEXCEL® Stainless Steel Check Valves shut the fluid passage when the Pressure difference is below 0.25 Bar.

Available in SS316 with Viton® 'O' Ring

OPERATING PARAMETERS

Available Size : 1/8" to 1/2" Pipe Thread
Pressure Rating : 0.5 to 40 Bar at CWP

Temperature Rating : Up to 180°C

End Connections : BSP/BSPT/NPT Pipe Thread



FLOW CONTROL REGULATORS



These Regulators are use to control the speed of a Pneumatic Cylinder or the speed of Food Fluid carried in aggressive environments or to high mechanical or chemical constraints.

Available in SS316 with Viton[®] 'O' Ring.



MODEL: FRP03 (One way adjustment) & FRP05 (Bi-Directional)

OPERATING PARAMETERS

Available Size : 1/8" to 1/2" Pipe Thread
Pressure Rating : Up to 10 Bar at CWP

Temperature Rating : Up to 120°C

End Connections : BSP/BSPT/NPT/SAE Straight Thread



MODEL: FRP07 (One way adjustment)

OPERATING PARAMETERS

Available Size : 1/8" to 1/2" Pipe Thread Pressure Rating : Up to 16 Bar at CWP

Temperature Rating : Up to 120°C

End Connections : BSP/BSPT/NPT/SAE Straight Thread



MODEL: FRP09 (Bi-Directional)

OPERATING PARAMETERS

Available Size : 1/8" to 1/2" Pipe Thread
Pressure Rating : Up to 40 Bar at CWP

Temperature Rating : Up to 120°C

End Connections : BSP/BSPT/NPT/SAE Straight Thread

QUICK EXHAUST VALVES

These valves allows direct exhaust of compressed Air due to increase of cylinder rod displacement speed, this result in reduction of cycle time.

Available in SS316 with Viton[®] 'O' Ring

OPERATING PARAMETERS

Available Size : 1/8" to 1/2" Pipe Thread Pressure Rating : Up to 10 Bar at CWP

Temperature Rating : Up to 120°C

End Connections : BSP/BSPT/NPT/SAE Straight Thread



Pipe Thread Size Up to 1/4" : Viton®

Pipe Thread Size Above 1/4": Polyurethane



QUICK CONNECT COUPLINGS



Series-310

SEALEXCEL® Series 310 Stainless Steel Single Valve Quick Connect Couplings are designed and manufactured for low pressure applications.

This Coupling are Resistant to Aggressive Environments and Corrosive Fluids etc. and are generally used in many applications across a wide sector of Industries



FEATURES

- Available in Material SS316 with Viton® 'O' Ring
- Robust in construction.
- Easy for manual connection and disconnection.
- No tools required for connection and disconnection.
- Reliable leak tight Sealing System.
- Durable ball-locking mechanism assures reliable connection.
- Valve guide positively aligns valve with seat to prevent leakage.
- SEALEXCEL® Industrial interchange Plugs are interchangeable with similar Plugs manufactured by other quick coupling manufacturers confirming to ISO 6150 Series B and USMIL-C4109 or ANSI(NFPA) T3.20.14-1990 (R2004).

OPERATING PARAMETERS

Available Size : 1/8" to 1/2" Pipe thread Pressure Rating : Up to 290 PSI at CWP

Temperature Rating : Up to 120°C

Available Flow Passage : Metric Size : 5mm, 7.9mm, 10mm, 14mm

: Fractional Size : 3/16", 9/32", 3/8" & 9/16"

End Connections : Available with NPT (National Pipe Taper), BSP/ISO (British

Standard Pipe/International Standard Organisation)

APPLICATION

- Pneumatics Control.
- Air Supply to pneumatic machines.
- Automatic devices.
- Laboratories (Medical, Pharmaceutical etc.)
- Instrumentation



SEALEXCEL's commitment to upgrading and extending it's product range by way of continuous research and development programme with advanced technology and cutting edge solutions for it's customer

A TOTAL CUSTOMER SATISFACTIONS



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