

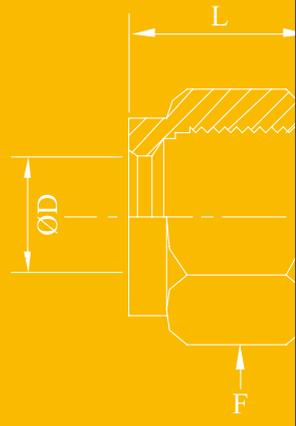
*Quality at core with Technology at Time...*



**SHREEMARUTI INSTRUMENTS PVT. LTD.**

AN ISO-9001:2015 COMPANY

Manufacturer and Exporters of complete range of Instrumentation  
 (FITTING & VALVES, ACCESSORIES - LOW & HIGH PRESSURE)



**SMIPL** is a leading manufacturer & supplier of complete range of Instrumentation and Control Instruments such as Pressure & Temperature Gauges and Switches, RTD, Thermocouples, Thermowells & Level Switches. These products are manufactured and design under a high precision in accordance with International Quality norms using supreme quality raw material and latest technology under the guidance of more than 25 years technical experts.

This products are widely demanded all across the nation due to their robust construction, sturdiness, flawless finish, hassle-free functionality and reliability. Furthermore, the entire range of products is available on various specifications & can also be customised as per the different requirements of clients.

We provide best and reliable technology to our customer, desired for their industrial process requirements by providing Ingenious Process Control Instruments. We believe in team work and strictly adhere to high standard of Quality. We trust in maintaining long lasting business relationship.

## CORE VALUES

Our main feature is its great flexibility that allows us to follow customers requests with short time response and trust able deliver time. For us Quality has always been one of the most essential part of our working philosophy.

## QUALITY POLICY

All products that we manufacture, distribute and supply are backed by Quality control testing procedures and endorsed by various Industrial Certifications. From Procurement to delivery, at every stage of production, Quality assurance procedure are implemented to ensure that, our user receives product of the highest Quality.

## APPLICATION

Our products find applications in Engineering Industries, Boilers, Reactors, Process Industries, Gas Mixing Systems, Gas Separators, various R & D Departments, Laboratories, Medical & Hospital Equipments, Defense Areas, Pharmaceutical Industries, Chemical, Petrochemical & Fertilizer Industries, Refineries and Power Plants, Food & Beverage Industries, Paper & Pulp Industries, Oil & Soap Industries, Water Treatment & Reverse Osmosis Plants, Filtration Systems, Hydraulic & Pneumatic Systems, Automobile Industries & Foundries etc..

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# SS PRECISION PRESSURE GAUGES

Dial Size	: DN100 / DN150 / DN250
Range	: -1 to 0, 0-1 to 0-1600 Bar
Accuracy	: $\pm 1\%$ / CL 1
Mounting	: Bottom / Lower Back / Center Back
Process Connection	: 1/2"-BSP / NPT Standard
Ingress Protection	: IP68
Execution	: Fillable / Dry / Filled
Bourdon Tube & Socket	: SS316L / MONEL -TIG WELDED
Case & Bezel	: SS304 / SS316
Optional	: External Zero Adjustment



SS PRECISION PG  
MODEL- SM01-01

Dial Size	: DN50 / DN63 / DN80 / DN100
Range	: -1 to 0, 0-1 to 0-1000 Bar
Accuracy	: $\pm 1.6\%$ / CL 1.6
Mounting	: Bottom / Center Back
Process Connection	: 1/4" BSP / NPT Standard
Ingress Protection	: IP65
Execution	: Fillable / Dry / Filled
Bourdon Tube & Socket	: SS316- TIG WELDED / 2 PC TYPE
Case & Bezel	: SS304



ALL SS PG - GENERAL  
MODEL- SM02-01

Dial Size	: DN100 / DN150
Range	: -1 to 0, 0-1 to 0-1600 Bar
Accuracy	: $\pm 1\%$ / CL 1
Mounting	: Bottom / Lower Back
Process Connection	: 1/2"-BSP / NPT Standard
Ingress Protection	: IP68
Execution	: Fillable / Dry / Filled
Bourdon Tube & Socket	: SS316L / MONEL -TIG WELDING
Welded Case & Bezel	: SS304 / SS316
Optional	: External Zero Adjustment



SS SOLID FRONT SAFETY PG  
MODEL- SM03-01

Dial Size	: DN115
Range	: -1 to 0, 0-1 to 0-1600 Bar
Accur. & Repeatability	: $\pm 0.5\%$ / CL 0.5
Mounting	: Bottom / Lower Back
Process Connection	: 1/2"-BSP / NPT
Ingress Protection	: IP68
Execution	: Dry
Bourdon Tube & Socket	: SS316L / MONEL -TIG
Welded Case & Bezel	: PHENOLIC / PBPT



PHENOL CASE SOLID FRONT PG  
MODEL- SM04

Dial Size	: DN50 / DN63 / DN80 / DN100
Range	: -1 to 0, 0-1 to 0-40 Bar
Accuracy	: $\pm 2.5\%$ / CL 2.5
Mounting	: Bottom / Center Back
Process Connection	: 1/8" , 1/4" BSP / NPT
Ingress Protection	: IP65
Execution	: Fillable / Dry / Filled
Bourdon Tube & Socket	: Copper Alloy
Case & Bezel	: SS304



ALL SS PG- GENERAL PURPOSE  
MODEL- SM05-01

# SS PRECISION PRESSURE GAUGES

Dial Size	: N40 / DN50 / DN63 / DN100 / DN150 / DN250
Range	: -1 to 0 , 0-1 to 0-400 Bar
Accuracy	: $\pm 2.5\%$ / CL 2.5
Mounting	: Bottom / Center Back
Process Connection	: 1/8" / 1/4" / 3/8" / 1/2" BSP / NPT (M)
Ingress Protection	: IP54
Execution	: Dry
Bourdon Tube & Socket	: Copper Alloy
Case & Bezel	: Steel black powder coated



ALL STEEL CASE PG - GEN. PURPOSE  
MODEL- SM05-02

Dial Size	: DN100 / DN150
Range	: -1 to 0 , 0-1 to 0-1600 Bar
Accuracy	: $\pm 1\%$ / CL 1 , Reference Standard : EN837-1
Mounting	: Bottom / Lower Back with Doom type window
Process Connection	: 1/4" / 3/8" / 1/2"-BSP / NPT and special Threads
Ingress Protection	: IP68
Execution	: Dry / Fillable / Filled
Electric Contact	: Magnetic / Inductive Contacts, NO, NC, NO NC, NC NO, NO NO, NC NC
Bourdon Tube & Socket	: SS316L / Monel -TIG WELDING
Case & Bezel	: SS304 / 316



ALL SS PG ELECTRIC CONTACT TYPE  
DOME STYLE - MODEL- SM06-01

Dial Size	: DN100 / DN150
Range	: -1 to 0 , 0-1 to 0-1600 Bar
Accuracy	: $\pm 1\%$ / CL 1.0 - Reference Standard : EN837-1
Mounting	: Bottom / Lower Back with standard safety glass window
Process Connection	: 1/4" / 3/8" / 1/2"-BSP / NPT and special Threads
Ingress Protection	: IP65
Execution	: Dry / Fillable
Electric Contact :	: Magnetic / Inductive Contacts, NO / NC, NO NO, NC NC
Bourdon Tube & Socket	: SS316L -TIG WELDING
Welded Case & Bezel	: SS304 / 316



ALL SS PG,  
ELECTRIC CONTACT TYPE  
HI-VERSION CASE - MODEL-SM07-01

Dial Size	: DN150 / DN250 / DN300
Range	: -1 to 0 , 0-1 to 0-1600 Bar, Reference Standard : EN837-1
Accuracy	: $\pm 0.25\%$ / CL 0.25
Movement	: Jewel Bearing
Mounting	: Bottom / Lower Back
Process Connection	: 1/2"-BSP / NPT
Ingress Protection	: IP68
Execution	: Dry,
Bourdon Tube & Socket	: Berrilium Copper & SS316L / Copper alloy
Case & Bezel	: SS304 / Steel Case Powder coated
Note	: Dial with anti parallax mirror band, Knife Edge Micro Adju. Pointer



SS CASE TEST GAUGE (ACC.  $\pm 0.25\%$ )  
MODEL- SM08-01

Dial Size	: DN63 / DN100 / DN150 / DN250 , Ref. Standard : EN837-3
Range	: 6 mbar ..... 600mbar & Compound pressure ranges
Accuracy	: $\pm 1.6\%$ / CL1.6 for SS Internal
Mounting	: Bottom / Lower Back / Center Back
Process Connection	: 1/4" / 3/8" / 1/2"-BSP / NPT and special Threads
Ingress Protection	: IP65
Execution	: Dry / Fillable for Ranges above 100mbar
Bourdon Tube & Socket	: SS316L
Case & Bezel	: SS304 / SS316 / STEEL



ALL SS PG, SS CAPSULE TYPE  
MODEL-SM09-01

# SS PRECISION PRESSURE GAUGES

Dial Size	: DN63 / DN100 / DN150 / DN250 , Ref .Standard : EN837-3
Range	: 6 mbar ..... 600mbar & Compound pressure ranges
Accuracy	: $\pm 1.6\%$ / CL1.6 for Copper Alloy Internal
Mounting	: Bottom / Lower Back / Center Back
Process Connection	: 1/4" / 3/8" / 1/2"-BSP / NPT and special Threads
Ingress Protection	: IP65
Execution	: Dry / Fillable for Ranges above 100mbar
Bourdon Tube & Socket	: Copper Alloy
Case & Bezel	: SS304 / SS316 / STEEL



SS CASE BRASS PG BRASS CAPSULES  
MODEL-SM09-02

Dial Size	: DN50 / DN63 / DN100 / DN150, Ref. Standard : EN837-1
Range	: -1 to 0 , 0-1 to 0-40 Bar
Accuracy	: $\pm 1.6\%$ / CL 1.6
Mounting	: Bottom / Center Back
Process Connection	: 1/2" ..... 2.5" Triclamp Type
Ingress Protection	: IP65
Execution	: Fillable / Dry / Filled
Bourdon Tube & Socket	: SS316 with SS Case and Bezel
Seal Filling Liquid	: Food Grade Oil /Glycerin



PRESSURE GAUGE WITH SS SANITARY  
MODEL- SM10-01

Dial Size	: DN100 / DN150
Range	: 0-25mbar to 0-10 Bar
Accuracy	: $\pm 1\%$ / CL 1 - Ascending, Reference Standard : EN837-3, IS 3634
Mounting	: Bottom / Back, Optional with External Zero Adjustment
Process Connection	: 1/4", 3/8", 1/2"-BSP / NPT
Ingress Protection	: IP68
Execution	: Filled / Fillable / Dry
Body & Diaphragm	: SS316L / Monel / special alloys
Case & Bezel	: SS304/316
Gasket	: Viton



DOUBLE DIAPHRAGM  
DIFFERENTIAL PG - MODEL- SM11

Dial Size	: DN100 / DN150
Range	: 0-250 mbar to 10 bar
Accuracy	: $\pm 1.0\%$ in Ascending, Reference Standard : EN837-3
Mounting	: Bottom / Back
Process Connection	: 1/4" NPT (F)
Ingress Protection	: IP65
Execution	: Fillable / Dry / Dry but fillable
Body & Diaphragm	: SS316L / Monel / special alloys
Case & Bezel	: SS304 / 316
Gasket	: Viton



DIFFERENTIAL PG  
SINGLE DIAPHRAGM TYPE  
MODEL- SM12

Dial Size	: DN150
Range	: 0-100mbar to 0-16 Bar,
Accuracy	: $\pm 1\%$ / CL 1 Ascending
Mounting	: Bottom / Lower Back
Process Connection	: 1/2"-BSP / NPT
Ingress Protection	: IP65
Execution	: Fillable / Dry / Dry but fillable
Body & Bellow	: SS316L, Body & Bellow TIG Welded
Case & Bezel	: SS304 / 316,



DIFFERENTIAL PG - BELLOW TYPE  
MODEL- SM13

# SS PRECISION PRESSURE GAUGES

Dial Size	: DN63 / DN100 / DN150
Range	: 0-250mbar to 0-10 Bar
Accuracy	: ±2% / CL 2 - Ascending
Mounting	: Inline / Bottom / Back Ports , Direct / Case 3 Hole Panel
Process Connection	: 1/4" NPT ( F )
Ingress Protection	: IP65
Execution	: Fillable / Dry Wetted
Wetted Parts	: Body-SS316, Spring- SS302,Magnet-Ceramic, Seal - Teflon, Case -SS304, Diphragm - Viton, Piton-SS316L



DIFFERENTIAL PG PISTON OPERATED MODEL-SM-01

Dial Size	: DN63 / DN100 / DN150
Range	: 0-250mbar to 0-10 Bar
Accuracy	: ±2% / CL 2 - Ascending
Mounting	: Inline / Bottom / Back Ports
Process Connection	: 1/4" NPT ( F )
Ingress Protection	: IP65
Execution	: Fillable / Dry
Wetted Parts	: Body-SS316, Spring- SS302,Magnet-Ceramic, Seal - Teflon, Diphragm - Viton, Piton-SS316L



DIFFERENTIAL PG DIAPHRAGM ACTUATED PISTON MODEL-SM14-02

Dial Size	: DN63 / DN100 / DN150
Range	: 0-250mbar to 0-10 Bar
Accuracy	: ±2% / CL 2 - Ascending
Mounting	: Inline / Bottom / Back Ports , Case with integrated 3 Hole Panel
Process Connection	: 1/4" NPT ( F )
Ingress Protection	: IP65
Execution	: Fillable / Dry
Wetted Parts	: Body-SS316, Spring- SS302,Magnet-Ceramic, Seal - Teflon, Diphragm -Viton, Piton-SS316L
Switching /Head	: 1SPDT /2DPDT, 230VAC/0.5A
Head	: ATEX & FM approved Ex class I, II & III NEMA 4X, IP66, IP67



DIFFERENTIAL PG, DIAPHRAGM / PISTON ACTUATED WITH SWITCH MODEL-SM14-03

Dial Size	: DN100
Range	: 0-5mmwc to 600 mmwc
Accuracy	: ±2 % / CL 2 - Acending
Mounting	: Side / Back
Process Connection	: 1/8" (F) BSP
Ingress Protection	: IP54
Execution	: Dry
Case & Bezel	: Die Cast Aluminum
Sensing Element	: Silicon Rubber Diaphragm



MAGNELIC DIFFERENTIAL PG, LOW PRESSURE MODEL- SM15

Dial Size	: DN100 / DN150
Range	: 0-250mmwc to 0-16 bar
Accu. & Repeatability	: ±1% / CL 1, Refer. Standard : EN837-3,
Mounting	: Bottom / Center Back, also with External Zero Adjustment
Process Connection	: /1/2"-BSP / NPT
Execution	: Dry
Body	: SS316 ,
Diaphragm	: SS316 /Monel /Teflon /Inconel
Case & Bezel	: SS304/316, - Shank & Case TIG welded
Note	: This Model is suitable for PTFE Lining



ALL SS PG, DIAPHRAGM TYPE, LOW PRESSURE MODEL- SM16-01 (MACHINED FLANGE)

# SS PRECISION PRESSURE GAUGES

Dial Size	: DN100 / DN150
Range	: 0-250mmwc to 0-10 bar
Accu. & Repeatability	: $\pm 1\%$ / CL 1, Ref. Standard : EN837-3
Mounting	: Bottom
Process Connection	: 1/2"-BSP / NPT
Ingress Protection	: IP65
Execution	: Dry
Body	: SS316
Diaphragm	: SS316 /Teflon
Case & Bezel	: SS304/316, - Shank & Case TIG welded



ALL SS PG, DIAPHRAGM TYPE,  
LOW PRESSURE MODEL-SM16-02  
(ECO VERSION-SHEET METAL DESIGN)

Dial Size	: DN150 X 78mm / DN 200X104 mm
Range	: -6000 to +6000 mmwc
Accuracy	: $\pm 2.5\%$ / CL 2.5
Mounting	: Center Back with Bracket
Process Connection	: 1/4" BSP (M)
Ingress Protection	: IP54
Execution	: Dry
Bellow	: SS316
Case & Bezel	: Steel -Black Painted



EDGE WISE DRAFT GAUGE  
MODEL-SM17

Dial Size	: DN100 / DN150
Range	: 0-100 to 0-1000 Bar
Accu. & Repeatability	: $\pm 1.6\%$ / CL 1.6, Ref. Standard : EN837-1
Mounting	: Bottom with standard seal / customised seal
Process Connection	: Mounting Flange, Threaded Conn, Direct Connection
Ingress Protection	: IP65
Execution	: Fillable / Dry Diaphragm
Bourdon Tube & Socket	: SS316L - Tig Welded
Case & Bezel	: SS304/316 - Socket welded with Case



HOMOGENIZER PG  
MODEL-SM18-01

Dial Size	: DN100
Range	: 0-5mmwc to 600 mmwc
Accuracy	: $\pm 2\%$ / CL 2 - Ascending
Mounting	: Side / Back
Process Connection	: 1/4" / 1/2" / 3/8" BSP (M) / (F)
Ingress Protection	: IP68
Execution	: Dry / Fillable / Dry but Fillable
Case & Bezel	: SS304 / SS316
Sensing Element	: Diaphragm, SS316 / Monel / Has-C



PG WITH ALL WELDED DIAPHRAGM  
SEAL GAUGE, THREADED  
MODEL-SM18-02

Dial Size	: DN100 / DN150, Reference Standard : EN837-1,
Range	: -1 to 0, 0-1 to 0-250 Bar
Accuracy	: $\pm 1.6\%$ / CL 1.6
Mounting	: Bottom / Center Back
Instrument Connection	: 1/2" BSP / NPT & SPECIAL THREADS
Process Connection	: Flange size & class, MOC : SS316/SS304/Monel
Ingress Protection	: IP65
Execution	: Fillable / Dry
Bourdon Tube & Socket	: SS316
Seal filling liquid	: Silicon Oil
Note	: Fully Welded



PG ALL WELDED DIAPHRAGM  
SEAL GAUGE, FLANGED  
MODEL-SM18-03

# DIAPHRAGM SEAL

Range	: -1 - 0 to 0-21 bar / -1 - 0 to 0- 70 Bar / 0-100 to 0-400 bar
Top Chamber	: SS316 / SS304
Instrument Connection	: 1/4" / 1/2" - BSP / NPT (F)
Process Connection	: I Section with Flange, size & class as per standard
Bottom Chamber	: (pipe+flange+bottom ring) : SS316L/MONEL/PVC
Diaphragm	: SS316L / Monel / Inconel / Hastelloy -C / PTFE / Tantalum
Sealing Gasket	: PTFE / METAL GASKET
Special Requirements	: 1) PTFE Lining / PTFE Coating 2) Capillary, Capillary with armour tube 3) Sealing Liquid - Silicon Oil/ Glycerin /Food Grade Oil / Syltherm



FLANGED DIAPHRAGM SEAL - FLANGE "I" SECTION TYPE MODEL-SM19-

Pressure Ranges	: -1 - 0 to 0-250 bar
Instrument Connection	: 1/4" / 1/2" - BSP / NPT (F)
Process Connection	: Extension Bar with Mounting Flange, Flange Size and Class as per Standard Requirement
Flange & Ext. Material	: SS316/SS304/MONEL/INCONEL
Diaphragm	: SS316L / Monel / Inconel / Hastelloy - C / PTFE / Tantalum
Extension Neck Length	: As per requirement
Special Requirements	: 1) PTFE Coating 2) Capillary, capillary with armour tube 3) Sealing Liquid - Silicon Oil/ Glycerin /Food Grade Oil / Syltherm



SM20-1 SM20-2

FLANGED DIAPHRAGM SEAL EXTENDED NECK TYPE MODEL-SM20

Pressure Ranges	: -1 - 0, 0-1 to 0- 70 Bar (OD62.2 & OD 55) / 100 < 250 Bar (OD46.5) / 250 <600 bar (OD34.5) / 600<1000 bar (OD 28 )
Top Chamber	: SS316 / SS304
Bottom Chamber	: SS316L / Monel / Inconel / Hastelloy- C
Diaphragm	: SS316L / Monel / Inconel / Hastelloy - C / Tantalum
Instrument Connection	: 1/4"/ 3/8"/ 1/2" -BSP /NPT (F)
Process Connection	: 1/4",3/8",1/2" - BSP /NPT- ( M /F) / Special Connections
Sealing Liquid	: Silicon Oil / Glycerin / Food Grade Oil / Syltherm
Top & Bottom Chamber	: Welded Construction



DIAPHRAGM SEAL FULL WELDED HEAVY DUTY MINI SEAL MODEL-SM21

Pressure Ranges	: -1 - 0, 0-1 to 0- 70 Bar (OD98) / 0-100 to 0-250 bar (OD80) / 0-250<0-400 bar(OD110)
Top Chamber	: SS316 / SS304
Bottom Chamber	: SS316L / Monel / Inconel / PVC
Diaphragm	: SS316L / Monel400 / Inconel600 / Hastelloy - C 276 / Tantalum / PTFE
Instrument Connection	: 1/4", 3/8", 1/2" -BSP / NPT (F)
Process Connection	: 1/4", 3/8", 1/2" - BSP /NPT- (M/F)
Sealing Liquid	: Silicon Oil / Glycerin / Food Grade Oil / Syltherm
Option	: Capillary, Capillary with Armour tube
Top & Bottom Chamber	: Made from solid Bar / Forged Bar



THREADED DIAPHRAGM SEAL DIRECT COUPLED TYPE MODEL-SM22-01

Pressure Ranges	: -1 - 0, 0-1 to 0- 25 Bar
Top Chamber	: SS316 / SS304
Bottom Chamber	: SS316L / Monel / Inconel / PVC
Diaphragm	: SS316L / Monel400 / Inconel600 / Hastelloy -C 276 / Tantalum / PTFE
Instrument Connection	: 1/4", 3/8", 1/2" -BSP / NPT (F)
Process Connection	: 1/4", 3/8", 1/2" - BSP /NPT- (M /F)
Sealing Liquid	: Silicon Oil / Glycerin / Food Grade Oil / Syltherm
Option	: Capillary with Armour tube
Top & Bottom Chamber	: Made from solid Bar with Steel Ring / SS / Metal Ring



THREADED DIAPHRAGM SEAL SLIP RING COUPLED TYPE MODEL-SM22-02

# DIAPHRAGM SEAL

Pressure Ranges	: -1 - 0, 0-1 to 0- 25 Bar
Top Chamber	: SS316 / SS304
Bottom Chamber	: SS316L
Diaphragm	: SS316L
Instrument Connection	: 1/4" BSP / NPT (F)
Process Connection	: 1/4" - BSP / NPT- ( M /F)
Sealing Liquid	: Silicon Oil / Glycerin / Food Grade Oil / Syltherm
Top & Bottom Chamber	: Welded Construction



DIAPHRAGM SEAL FULL WELDED  
DIRECT COUPLED TYPE  
COMPACT DESIGN - MODEL -SM23

Pressure Ranges	: 0-4 to 0- 600 Bar
Body	: SS316 / SS316L
Diaphragm	: SS316L
Instrument Connection	: 1/4"/ 3/8"/ 1/2"- BSP / NPT (F)
Process Connection	: 1/4"/ 3/8"/1/2" - BSP /NPT , (M /F)
Sealing Liquid	: Silicon Oil / Glycerin / Food Grade Oil / Syltherm
Seal	: Diaphragm Seal body made from one solid bar,



THREADED DIAPHRAGM SEAL  
SCREWED FLUSH TYPE  
MODEL-SM24

Pressure Ranges	: 1 - 0 to 0- 40 Bar
Top Chamber	: SS316L -1" (DN25) ,1.5" (DN40), 2" (DN50) - Triclamp Type
Instrument Connection	: 1/4" / 1/2" - BSP / NPT (F)
Diaphragm	: SS316L
Sealing Gasket	: SILICON
Sealing Liquid	: Food Grade Oil
Option	: Suitable Size Triclamp, Bottom Matting Part & Gasket



SANITARY DIAPHRAGM SEAL  
CLAMP TYPE  
MODEL-SM25-01

Pressure Ranges	: 1 - 0 to 0- 40 Bar
Top Chamber	: SS316L -1" (DN25) ,1.5" (DN40), 2" (DN50)- Female Type
Union Nut	: SMS / DIN -1" (DN25) ,1.5" (DN40), 2" (DN50)
Instrument Connection	: 1/4" / 1/2" - BSP / NPT (F)
Diaphragm	: SS316L
Sealing Gasket	: SILICON
Seal Filling Liquid	: Food Grade Oil



SANITARY DIAPHRAGM SEAL  
FLUSH DIAPHRAGM (FEMALE)  
MODEL-SM26-01

Pressure Ranges	: 1 - 0 to 0- 40 Bar
Top Chamber	: SS316L -1" (DN25) ,1.5" (DN40), 2" (DN50)- Male Type
Union Nut	: SMS / DIN -1" (DN25) ,1.5" (DN40), 2" (DN50)
Instrument Connection	: 1/4" / 1/2" - BSP / NPT (F)
Diaphragm	: SS316L
Sealing Gasket	: SILICON
Seal Filling Liquid	: Food Grade Oil



SANITARY DIAPHRAGM SEAL  
FLUSH DIAPHRAGM (MALE)  
MODEL-SM26-02

Pressure Ranges	: 0-4 to 0-40 bar Diaphragm
Chamber	: SS316
Floating Ring	: SS304
Instrument Connection	: 1/4" / 1/2" - BSP / NPT (F)
Diaphragm	: SS316L
Seal Filling Liquid	: Silicon Oil
Options	: Antivibration spring- Striaight / 90° Angle Type



PULP SEAL, FLOATING RING TYPE  
MODEL-SM27

# DIAPHRAGM SEAL

Pressure Ranges	:	0-1 to 0-250 bar
Diaphragm Chamber	:	Suit to standard size flanges
MOC	:	SS316L
Diaphragm	:	SS316L / Monel400 / Inconel600 / Hastelloy -c 276
Instrument Connection	:	1/4" / 1/2" - BSP / NPT (F)
Special Requirements	:	1) Diaphragm with PTFE Coating
	:	2) Seal with Capillary / armour tube /PVC armour Tube
	:	3) Sealing Liquied - Silicon Oil / Glycerin / Syltherm



WAFER SEAL - PAN CAKE TYPE  
MODEL-SM28-01

Pressure Ranges	:	0-6 to 0-250 bar
Top Chamber	:	SS316/SS304
Bottom Chamber :	:	As per Standard pipe size ( Weld on Pipe )
Instrument Connection	:	1/4" / 1/2" - BSP / NPT (F)
Diaphragm	:	SS316L / Monel400 / Inconel600 / Hastelloy -C
Sealing Gasket	:	PTFE / METAL GASKET
Special Requirements	:	1) PTFE Coating on diaphragm
	:	2) Capillary with armour tube
	:	3) Sealing Liquied - Silicon Oil/ Glycerin / Syltherm



WELD-IN DIAPHRAGM SEAL  
(SADDLE MOUNTING, ON PROCESS LINE)  
MODEL-SM28-02

Pressure Ranges	:	-1 - 0 to 0-250 bar
Flange Size Class	:	As per standard
Flange Material	:	SS316/SS304/Monel / other
Instrument Connection	:	1/4" / 1/2" - BSP / NPT (F)
Diaphragm	:	SS316L / Monel / Inconel / Hastelloy -C / PTFE / Tantalum
Special Requirements	:	1) PTFE Coating on diaphragm
	:	2) Capillary with armour tube
	:	3) Sealing Liquied - Silicon Oil/ Glycerin / Syltherm



FLANGED DIAPHRAGM SEAL  
DIRECT FLANGED FLUSHED TYPE  
MODEL-SM29-01

Pressure Ranges	:	-1 - 0 to 0-250 bar
Flange Size Class	:	As per standard
Flange Material	:	SS316/SS304 / Monel / other
Instrument Connection	:	1/4" / 1/2" - BSP / NPT (F)
Diaphragm	:	SS316L / Monel / Inconel / Hastelloy -C / PTFE / Tantalum
Special Requirements	:	1) PTFE Coating on diaphragm
	:	2) Capillary with armour tube
	:	3) Sealing Liquied - Silicon Oil/ Glycerin / Syltherm



FLANGED DIAPHRAGM SEAL  
DIRECT FLANGED WELDED TYPE  
MODEL-SM29-02

Pressure Ranges	:	-1 - 0 to 0-250 bar
Flange Size Class	:	As per standard
Flange Material	:	SS316/SS304/Monel / other
Instrument Connection	:	1/4" / 1/2" - BSP / NPT (F)
Diaphragm	:	SS316L / Monel / Inconel / Hastelloy -C / PTFE / Tantalum
Special Requirements	:	1) PTFE Coating on diaphragm
	:	2) Capillary with armour tube
	:	3) Sealing Liquied - Silicon Oil/ Glycerin / Syltherm



FLANGED DIAPHRAGM SEAL  
DIRECT FLUSHED TYPE, ROTATABLE  
FLANGE MODEL-SM29-03

# ACCESSORIES

Type	: 2 Way / 3 Way
Material	: AISI316SS /AISI304SS
Instrument connection	: 1/2" NPT (F)[1/2" NPT (F) x 2 Nos for 3 Way]
Process connection	: 1/2" NPT (M)
Handle	: AISI 304 SS with Backelite cover
Gaskets / Seals	: PTFE
Maximum working pressure	: 100 bar
Maximum working temperature	: 180°C



GAUGE COCK, ALL STAINLESS STEEL  
MODEL-SM30-01

Type	: Pig Tail & U Type syphons
Material	: SS316,SS316L SS304, CS, BRASS
Instrument connection	: 1/4" / 3/8" /1/2" , BSP / NPT (F)
Pipe Size & Schedule	: 1/4" /3/8" /1/2" , 40/ 80 / 160
Connection Type	: Threaded / Weld In / Flange end / Sanitary Connection
Process connection	: 1/4" /3/8" /1/2" , 40/ 80 / 160
Maximum working pressure	: As per PT chart
Maximum working temperature	: As per PT chart
Options	: Epoxy Coating / IBR Certification /Tag Plate / special connections



SIPHON, ALL STAINLESS STEEL  
MODEL-SM30-02

Type	: Flow Adjustable Screw
Material	: SS304 / SS316 /SS316L / BRASS
Instrument connection	: 1/4"/3/8"/ 1/2", BSP /NPT (F)
Process connection	: 1/4"/3/8"/ 1/2", BSP /NPT (M)
Gaskets / Seals	: Viton
Maximum working pressure	: 400 bar
Maximum working temperature	: 180°C



PULSATION DAMPENER/SNUBBER  
ADJUSTABLE NEEDLE TYPE  
MODEL-SM30-03

Type	: Bellow / Piston
Material	: SS316 /SS316L / Monel
Instrument connection	: 1/4"/3/8"/ 1/2", BSP /NPT / M20 (F)
Process connection	: 1/4"/3/8"/ 1/2", BSP /NPT / M20 (M)
Gaskets / Seals	: Viton
Maximum working pressure	: 600 bar
Maximum working temperature	: 180°C



OVERLOAD PROTECTOR  
GAUGE SAVER  
MODEL- TGI30-04

Type	: Fin Type/ Perforated Type / Capillary Type
Material	: SS316 /SS316L / Monel
Instrument connection	: 1/4"/3/8"/ 1/2", BSP /NPT / M20 (F)
Process connection	: 1/4"/3/8"/ 1/2", BSP /NPT / M20 (M)
Maximum working pressure	: 1000 bar
Maximum working temperature	: 300°C



COOLING TOWER  
MODEL- SM30-05

Type	: To suit all standard flange RF OD
Material Flange facing	: Raised Face /RTJ
Flushing Port	: 1/8" / 1/4" / 1/2"- Plugged
Maximum working pressure	: As per Standard Flange Rating
Maximum working temperature	: 300°C
Options	: Nipple / Needle / Gasket



COOLING TOWER  
MODEL- SM30-05

# RTD

Element	:	PT-100 /500 / 1000, Class A / B
Range	:	-200 .... 400 / 600°C
Wire Combination	:	Simplex / Duplex , 2 Wire/3 Wire/4Wire
Accuracy	:	IEC-751 I DIN 43760
Sheath Material	:	SS316 /SS316L
Sheath Diameter	:	3 / 5 / 6 / 8 /10 mm
Terminal Head Type	:	Threaded Cover / Hinged / 2 screwed / Weather -IP65/66/68 / Flame Proof / Explosion Proof /Atex.
Terminal Head Material	:	Die cast Aluminium / SS304 /SS316
Cable Entry	:	3/4" ET/NPT, 1/2" NPT , M20
Head Extension	:	Nipple Extension assembly in ASTM A105 ( plated ) /SS304 /SS316
Head Extension Length	:	50 mm upto 250 mm
Immersion Length	:	50 mm upto 10000 mm
Process Connection	:	1/2" / 3/4" - BSP / NPT, M20 (M)
Others	:	With Transmitter 4...20 Ma output, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland, CE Certification



RTD - NIPPLE EXTENSION TYPE  
MODEL- SM31-01

Element	:	PT-100 /500 / 1000, Class A / B
Range	:	-200 .... 400 / 600°C
Wire Combination	:	Simplex / Duplex , 2 Wire/3 Wire/4Wire
Accuracy	:	IEC-751 I DIN 43760
Sheath Material	:	SS316 /SS316L
Sheath Diameter	:	3 / 5 / 6 / 8 /10 mm
Terminal Head Type	:	Threaded Cover / Hinged / 2 screwed / Weather -IP65/66/68 / Flame Proof / Explosion Proof /Atex.
Terminal Head Material	:	Die cast Aluminium / SS304 /SS316
Cable Entry	:	3/4" ET/NPT, 1/2" NPT, M20
Head Extension	:	Nipple Union Nipple Extension assembly in ASTM A105 ( plated ) /SS304 /SS316
Head Extension Length (NUN)	:	100 mm upto 250 mm
Immersion Length	:	50 mm upto 10000 mm
Process Connection	:	1/2" / 3/4" - BSP / NPT, M20 (M)
Others	:	With Transmitter 4...20 Ma output, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland, CE Certification



RTD  
NIPPLE UNION NIPPLE EXTENSION  
MODEL- SM31-02

Element	:	PT-100 /500 / 1000 , Class A / B
Range	:	-200 .... 400 / 600°C
Wire Combination	:	Simplex / Duplex, 2 Wire/3 Wire/4Wire
Accuracy	:	IEC-751 / DIN 43760
Sheath Material	:	SS316 /SS316L
Sheath Diameter	:	3 / 5 / 6 / 8 /10 mm
Terminal Head Type	:	Threaded Cover / Hinged / 2 screwed / Weather -IP65/66/68 / Flame Proof / Explosion Proof /Atex.
Terminal Head Material	:	Die cast Aluminium / SS304 /SS316
Cable Entry	:	3/4" ET/NPT, 1/2" NPT, M20
Process Connection Type	:	Fixed Connection
Immersion Length	:	50 mm upto 10000 mm
Process Connection	:	1/2" / 3/4" - BSP / NPT, M20 (M)
Others	:	With Transmitter 4...20 Ma output, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland, CE Certification



RTD  
FIXED THREADED CONNECTION  
MODEL SM31-03

# RTD

Element	:	PT-100 / 500 / 1000 , Class A / B
Range	:	-200 .... 400 / 600°C
Wire Combination	:	Simplex / Duplex , 2 Wire /3 Wire /4 Wire
Accuracy	:	IEC-751 / DIN 43760
Sheath Material	:	SS316 /SS316L
Sheath Diameter	:	3 / 5 / 6 / 8 /10 mm
Terminal Head Type	:	Threaded Cover / Hinged / 2 screwed / Weather -IP65/66/68 / Flame Proof / Explosion Proof
Terminal Head Material	:	Die cast Aluminium / SS304 /SS316
Cable Entry	:	3/4" ET/NPT, 1/2" NPT, M20
Head Extension	:	Adjustable Connection
Immersion Length	:	50 mm upto 10000 mm
Process Connection	:	1/2" / 3/4" - BSP / NPT, M20
Others	:	With Transmitter 4...20 Ma output, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland



RTD  
ADJUSTABLE THREADED  
CONNECTION TYPE  
MODEL- SM31-04

Element	:	PT-100 / 500 / 1000 , Class A / B
Range	:	-200 .... 400 / 600°C
Wire Combination	:	Simplex / Duplex , 2 Wire/3 Wire/4Wire
Accuracy	:	IEC-751 / DIN 43760
Sheath Material	:	SS316 / SS316L
Sheath Diameter	:	3 / 5 / 6 / 6.35 / 8 mm
Head extension	:	Adjustable Connection
Immersion Length	:	50 mm upto 10000 mm
Process Connection	:	1/2" / 3/4" - BSP / NPT, M20
Lead Wire Length	:	1000 to 25000 mm
Lead Wire Type	:	PTFE / PTFE / SS Braided , CE Certification



RTD -TRANSITION JOINT TYPE  
MODEL- SM31-05

Element	:	PT-100 / 500 / 1000 , Cla ss A / B
Range	:	-200 .... 400 / 600°C
Wire Combination	:	Simplex, 3 wire
Accuracy	:	IEC-751 / DIN 43760
Sheath Material	:	SS316 / SS304
Sheath Diameter	:	3 / 5 / 6 / 6.35 / 8 mm
Lead Wire Connector	:	Plug and Jack Connection
Immersion Length	:	50 mm upto 10000 mm
Process Connection	:	1/2" / 3/4" - BSP / NPT, M20
Lead Wire Length	:	1000 to 25000 mm
Lead Wire Type	:	PTFE / PTFE / SS Braided



RTD  
PLUG AND JACK CONNECTOR TYPE  
MODEL- SM31-06

Element	:	PT-100 / 500 / 1000 , Class A / B
Range	:	-200 .... 400 / 600°C
Wire Combination	:	Simplex / Duplex , 2 Wire/3 Wire/4Wire
Accuracy	:	IEC-751 / DIN 43760
Sheath Material	:	SS316 / SS304
Sheath Diameter	:	3 / 5 / 6 / 6.35 / 8 mm
Element Length	:	10 mm upto 50 mm
Lead Wire Type	:	PTFE / PTFE / SS Braided /FG/FG
Lead Wire Length	:	1000 to 25000 mm , CE Certification



RTD - BEARING TYPE  
MODEL - SM31-08



# RTD

Element	:	PT-100 / 500 / 1000 , Class A / B
Range	:	-200 .... 400 / 600°C
Wire Combination	:	Simplex / Duplex , 2 Wire/3 Wire/4Wire
Accuracy	:	IEC-751 / DIN 43760
Sheath Material	:	SS316 /SS316L / SS310
Sheath Diameter	:	3 / 5 / 6 / 8 mm
Terminal Head Type	:	Threaded Cover / Hinged / 2 screwed / Weather -IP65/66/68 / Flame Proof / Explosion Proof
Terminal Head Material	:	Die cast Alumi / SS304 /SS316
Cable Entry	:	3/4" ET/NPT, 1/2" NPT, M20
Head Extension	:	Adjustable Connection
Immersion Length	:	50 mm upto 1000 mm
Process Connection	:	1/2" / 3/4" - BSP / NPT, M20
Mounting	:	Local / No Bracket / with Bracket / 2" pipe mounting Bracket / Surface Mounting
Weld Pad	:	Rectangle / Integral Collar
Others	:	With Transmitter, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland,



RTD  
WELD PAD /SURFACE MOUNTING  
MODEL- SM31-09

Element	:	PT-100 / 500 / 1000 , Class A / B
Range	:	-200 .... 400 / 600°C
Wire Combination	:	Simplex / Duplex , 2 Wire / 3 Wire / 4Wire
Accuracy	:	IEC-751 / DIN 43760
Sheath Material	:	SS316 /SS316L / SS310
Sheath Diameter	:	3 / 5 / 6 / 8 mm
Terminal Head Type	:	Threaded Cover / Hinged / 2 screwed / Weather -IP65/66/68 / Flame Proof / Explosion Proof
Terminal Head Material	:	Die cast Alumi / SS304 /SS316
Cable Entry	:	3/4" ET/NPT, 1/2" NPT, M20
Head Extension	:	Adjustable Connection
Immersion Length	:	50 mm upto 1000 mm
Process Connection	:	TRI CLAMP -1" /1.5"/ 2" /2.5"
Others	:	With Transmitter, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland



RTD ASSEMBLY  
WITH TRI CLOVER CONNECTION  
MODEL- SM31-12



# THERMOCOUPLE

Element	: Type - K / J / T / N / E
Accuracy	: Standard to IEC 584 & ANSI MC96.1
No. of Sensors	: Simplex / Duplex
Hot Junction	: Ungrounded / Grounded
Sheath Material	: SS316 / SS316L / SS310 / INCONEL 600 / SS446
Sheath Diameter	: 3 / 5 / 6 / 8 mm
Terminal Head Type	: Threaded Cover / Hinged / 2 screwed / Weather IP65/66/68 / Flame Proof / Explosion Proof / ATEX
Terminal Head Material	: Die cast Aluminium / SS304 / SS316
Cable entry	: 3/4" ET/NPT, 1/2" NPT, M20
Head extension Type	: Nipple assembly in ASTM A105 (plated), SS304 / SS316
Head extension Length	: 50 mm to 250 mm
Immersion	: 50 mm upto 1000 mm
Process connection	: 1/2" / 3/4" - BSP / NPT, M20
Others	: With Transmitter, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland, CE Certification.



THERMOCOUPLE  
NIPPLE EXTENSION  
MODEL- SM32-01

Element	: Type-K / J / T / N / E
Accuracy	: Standard to IEC 584 & ANSI MC96.1
No. of Sensors	: Simplex / Duplex
Hot Junction	: Ungrounded / Grounded
Sheath Material	: SS316 / SS316L / SS310 / INCONEL 600 / SS446
Sheath Diameter	: 3 / 5 / 6 / 8 mm
Terminal Head Type	: Threaded Cover / Hinged / 2 screwed / Weather -IP65/66/68 / Flame Proof / Explosion Proof / ATEX
Terminal Head Material	: Die cast Aluminium / SS304 / SS316
Cable entry	: 3/4" ET/NPT, 1/2" NPT, M20
Head extension Type	: Nipple Union Nipple Assembly in ASTM A105 (plated), SS304 / SS316
Head extension Length	: 100 mm to 250 mm
Immersion	: 50 mm upto 1000 mm
Process connection	: 1/2" / 3/4" - BSP / NPT, M20
Others	: With Transmitter, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland, CE Certification.



THERMOCOUPLE NIPPLE  
UNION NIPPLE EXTENSION (NUN)  
MODEL- SM32-02

Element	: Type-K / J / T / N / E
Accuracy	: Standard to IEC 584 & ANSI MC96.1
No. of Sensors	: Simplex / Duplex
Hot Junction	: Ungrounded / Grounded
Sheath Material	: SS316 / SS316L / SS310 / INCONEL 600 / SS446
Sheath Diameter	: 3 / 5 / 6 / 8 mm
Terminal Head Type	: Threaded Cover / Hinged / 2 screwed / Weather -IP65/66/68 / Flame Proof / Explosion Proof / ATEX
Terminal Head Material	: Die cast ALUMINIUM / SS304 / SS316
Cable entry	: 3/4" ET/NPT, 1/2" NPT, M20
Head extension	: Fixed Connection
Immersion	: 50 mm upto 1000 mm
Process connection	: 1/2" / 3/4" - BSP / NPT, M20
Others	: With Transmitter, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland, CE Certification.



THERMOCOUPLE  
FIXED THREADED TYPE  
MODEL- SM32-03

# THERMOCOUPLE

Element	: Type-K / J / T / N / E
Accuracy	: Standard to IEC 584 & ANSI MC96.1
No. of Sensors	: Simplex / Duplex
Hot Junction	: Ungrounded / Grounded
Sheath Material	: SS316 / SS316L / SS310 / INCONEL 600/SS446
Sheath Diameter	: 3 / 5 / 6 / 8 mm
Terminal Head Type	: Threaded Cover / Hinged / 2 screwed / Weather -IP65/66/68 / Flame Proof / Explosion Proof / Atex
Terminal Head Material	: Die cast Aluminium / SS304 / SS316
Cable entry	: 3/4" ET/NPT, 1/2" NPT , M20
Head extension	: Adjustable Connection
Immersion	: 50 mm upto 1000 mm
Process connection	: 1/2" / 3/4" - BSP / NPT, M20
Others	: With Transmitter, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland, CE Certification.



THERMOCOUPLE  
ADJUSTABLE THREADED TYPE  
MODEL- SM32-04

Element	: Type-K / J / T / N / E
Accuracy	: Standard to IEC 584 & ANSI MC96.1
No. of Sensors	: Simplex
Hot Junction	: Ungrounded / Grounded
Sheath Material	: SS316 / SS316L / SS310 / INCONEL 600
Sheath Diameter	: 3 / 5 / 6 / 8 mm
Cold End Terminal	: Standard Plug & Jack Connector
Lead Wire Type	: PTFE / PTFE / SS Braided
Immersion Length	: 50 mm upto 10000 mm



THERMOCOUPLE - PLUG JACK TYPE  
MODEL- SM32-06

Element	: Type-K / J / T / N / E
Accuracy	: Standard to IEC 584 & ANSI MC96.1
No. of Sensors	: Simplex / Duplex
Hot Junction	: Ungrounded / Grounded
Sheath Material	: SS316 / SS316L / SS310 / INCONEL 600
Sheath Diameter	: 3 / 5 / 6 / 8 mm Lead
Wire Length	: 1000 to 25000 mm Lead
Wire Type	: PTFE / PTFE / SS Braided
Immersion Length	: 50 mm upto 10000 mm



THERMOCOUPLE  
TRANSITION JOINT TYPE  
MODEL- SM32-07

Element	: Type-K / J / T / N / E
Accuracy	: Standard to IEC 584 & ANSI MC96.1
No. of Sensors	: Simplex / Duplex
Hot Junction	: Ungrounded
Sheath Material	: SS316 / SS304
Sheath Diameter	: 3 / 5 / 6 / 8 mm
Lead Wire Length	: 1000 to 25000 mm
Lead Wire Type	: PTFE / PTFE / SS Braided /FG/FG
Element Length	: 10 mm upto 50 mm



THERMOCOUPLE  
BEARING TEMPERATURE  
TYPE MODEL-SM32-08

Element	: Type-K / J / T / N / E
Accuracy	: Standard to IEC 584 & ANSI MC96.1
No. of Sensors	: Simplex / Duplex
Hot Junction	: Ungrounded
Sheath Material	: SS316 / SS304
Sheath Diameter	: 3 / 4.5 / 6.35 / 8 mm
Lead Wire Length	: 1000 to 25000 mm
Lead Wire Type	: PTFE / PTFE / SS Braided /FG/FG
Immersion Length	: 10 mm upto 200 mm
Process Connection	: Bayonet ID 12 / 14 mm
Mounting Type	: Straight / 90 Angular / Button Type



THERMOCOUPLE  
SPRING LOADED BAYONET FITTINGS  
MODEL- SM32-10

# THERMOCOUPLE

Element	: Type-K / J / K / N / R / S / B Mineral insulated / Element with ceramic insulator
Accuracy	: Standard to IEC 584 & ANSI MC96.1
No. of Sensors	: Simplex / Duplex
Hot Junction	: Ungrounded / Grounded
Sheath Material	: INCONEL 600 / CERAMIC
Insulator Diameter	: 3 / 5 / 6 / 8 / 10 / 12 mm
Wire Diameter	: 24 / 25 / 26 / 27 swg,
Terminal Head Type	: Threaded Cover / Hinged / 2 screwed / Weather -IP65/66/68 / Flame Proof / Explosion Proof
Terminal Head Material	: Die cast Aluminium / SS304 / SS316
Cable Entry	: 3/4" ET/NPT, 1/2" NPT , M20
Process Connection Type	: Adjustable / Fixed Flange
Immersion	: 100 mm upto 1000 mm
Process Connection	: Standard Flanges
Head Extension Type	: Head with female threading
Support Tube Material	: SS316/ SS316L / SS310 / INCONEL / SS446
Inner Protection Tube Material	: KER - 610, Pythagoras / KER - 710, Recrystallised Alumina
Inner Protection Tube Size	: 6X1, 8X1.5 / 10X2, 12X2 mm
Outer Protection Tube Material	: KER - 610, Pythagoras / KER - 710, Recrystallised Alumina, Kanthai AF , Kanthai APM, Inconel600
Outer Protection Tube Size	: 6X1, 8X1.5/ 10X2, 12X2,15X2.5,20X2.5, 24X3,
Others	: With Transmitter, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland,



THERMOCOUPLE  
CERAMIC PROTECTION TUBE WITH  
FLANGE CONNECTION  
MODEL-SM32-13

Element	: Type-K / J / K / N / R / S / B Mineral insulated / Element with ceramic insulator
Accuracy	: Standard to IEC 584 & ANSI MC96.1
No. of Sensors	: Simplex / Duplex
Hot Junction	: Ungrounded / Grounded
Sheath Material	: INCONEL 600 / CERAMIC
Insulator Diameter	: 3 / 5 / 6 / 8 / 10 / 12 mm
Wire Diameter	: 24 / 25 / 26 / 27 swg
Terminal Head Type	: Threaded Cover / Hinged / 2 screwed / Weather -IP65/66/68 / Flame Proof / Explosion Proof
Terminal Head Material	: Die cast Aluminium / SS304 / SS316
Cable Entry	: 3/4" ET/NPT, 1/2" NPT , M20
Process Connection Type	: Adjustable / Fixed Connection
Immersion	: 100 mm upto 1000 mm
Process Connection	: 1/2" / 3/4" / 1" / 1.5" / 2" - BSP / NPT, M20
Head Extension Type	: Head with female threading
Support Tube Material	: SS316/ SS316L / SS310 / INCONEL / SS446
Inner Protection Tube Material	: KER - 610, Pythagoras / KER - 710, Recrystallised Alumina
Inner Protection Tube Size	: 6X1, 8X1.5 / 10X2, 12X2 mm
Outer Protection Tube Material	: KER - 610, Pythagoras / KER - 710, Recrystallised Alumina, Kanthai AF , Kanthai APM, Inconel600
Outer Protection Tube Size	: 6X1, 8X1.5/ 10X2, 12X2,15X2.5,20X2.5, 24X3,
Others	: With Transmitter, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland,



THERMOCOUPLE  
CERAMIC PROTECTION TUBE WITH  
THREADED CONNECTION  
MODEL- SM32-14

# THERMOCOUPLE

Element	: Type-K / N
Accuracy	: Standard to IEC 584 & ANSI MC96.1
No. of Sensors	: Simplex / Duplex
Hot Junction	: Ungrounded / Grounded
Sheath Material	: SS316 / SS316L / SS310 / INCONEL 600
Sheath Diameter	: 3 / 5 / 6 / 8 mm
Terminal Head Type	: Threaded Cover / Hinged / 2 screwed / Weather -IP65/66/68 / Flame Proof / Explosion Proof
Terminal Head Material	: Die cast Aluminium / SS304 / SS316
Cable entry	: 3/4" ET/NPT, 1/2" NPT , M20
Head extension	: Adjustable Connection
Immersion	: 50 mm upto 1000 mm
Process connection	: 1/2" / 3/4" - BSP / NPT, M20
Mounting	: Local / No Bracket / with Bracket / 2" pipe mounting Bracket / Surface Mounting
Weld Pad	: Rectangle / Integral Collar
Others	: With Transmitter, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland,



THERMOCOUPLE - WELD  
PAD MOUNTING TYPE (SKIN TYPE)  
MODEL- SM32-15

Element	: Type-K / J / N / R / S / B Mineral insulated / Element with ceramic insulator
Accuracy	: Standard to ISA & ANSI MC96.1
No. of Sensors	: Simplex / Duplex
Hot Junction	: Ungrounded / Grounded
Sheath Material	: INCONEL 600 / SS316
Insulator Diameter	: 3 / 5 / 6 / 8 / 10 / 12 mm
Terminal Head Type	: Threaded Cover / Hinged / 2 screwed / Weather -IP65/66/68 / Flame Proof / Explosion Proof
Terminal Head Material	: Die cast Aluminium / SS304 / SS316
Cable Entry	: 3/4" ET/NPT, 1/2" NPT , M20,
Immersion	: 50 mm upto 1500 mm
Process Connection	: Standard Flanges - Adjustable / Fixed Type
Head Extension Type	: Head with female threading
Protection Tube	: SS316/ SS346 / SS310 / SS316L / Inconel600
Protection Tube Size	: 10X1.5 / 12X1.5 / PIPE 3/8" / PIPE 1/2" / PIPE 3/4"-SCH. 40 / SCH 80
Others	: With Transmitter, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland



THERMOCOUPLE  
THREADED / FLANGE TYPE  
MODEL- SM32-18

Pressure Transmitters	: -1 .... 1000 Bar, 4 ...20mA 0.....10 V, 8 ... 32VDC, 1/4" BSP(M), Operational Temperature : -40 ... 100°C, Brand : Keller Series : 21Y / 23(S)Y / 25Y / 36XW / 36XW Ei / 33X / 35X / 33XEi / 35X Ei.
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Digital Pressure Gauges	: -1 ... 700 Bar, Acc: ±0.1%, SS316L, Read Out , Operational Temperature : -20 ... 70°C Battery : 3V / 3.6V / 1000 Hrs to 2000 Hrs, Brand : Keller Series : LED02 / LED02 Ei / LEX1 / LEX1 Ei / LP / MP / HP / K / P / LPB / HTP / P12.
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Flow Instruments / Switches	: DP Type / Glass Tube Type / Dial with Pointer Type  Calibration Tester / Pointer Puller / Bezel Opener / Spar Parts - Electric Contact , Gauge Window, Movement Assembly, Dial, Pointers, Sealing Washer & O Ring ,
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AGENCY PRODUCTS

MODEL- SM36-1  
MODEL- SM36-2  
MODEL- SM36-3

# THERMOWELL

Material Construction	: SS304 / SS310 / SS316 / SS446 / INCONEL / MONEL/HASTELLOY-C
Instrument Connection	: 3/8" / 1/2" / 3/4" / 1" -BSP /NPT (F)
Process Connection	: 1/2"/3/4"/1"/ 1.5" / 2" -BSP / NPT (M)
Bore Size	: 7 / 9 / 10 / 12 / 16 mm in Seamless Pipe / Tube , 7x10, 7x12, 9x14, 10x12,12x14, 12x16 mm , Pipe 1/8" , 1/4" 1/2" , 1" Sch.-40,80,160 in Fabricated Thermowell
Head Type	: Hexagonal, Round
Extension Length	: 45mm / 50mm / special requirement
Insertion Length	: 100 to 2000 mm



THREADED CONNECTION  
FABRICATED / WELDED  
MODEL- SM33-01

Material Construction	: SS304 / SS310/ SS316 /SS446/INCONEL /MONEL/HASTELLOY-C
Instrument Connection	: 3/8" / 1/2" / 3/4" / 1" -BSP /NPT (F)
Process Connection	: 1/2" / 3/4" / 1" / 1.5" / 2" -BSP / NPT (M)
Bore Size	: 6.6 / 7 / 8.5 / 9.6 / 11 / 13 mm in Bar stock Thermowell
Head Type	: Hexagonal, Round
Extension Length	: 45mm / 50mm / special requirement
Insertion Length	: Round Type Upto 1000 mm / Hex Type: Upto 300 mm
Other Options	: Wake Frequency Calculation, Shank surface coating / Lining / Sleeve



THREADED CONNECTION  
BARSTOCK  
MODEL- SM33-02

Material Construction	: SS304 / SS310 / SS316 / SS446 / INCONEL / MONEL/HASTELLOY-C
Instrument Connection	: 3/8" / 1/2" / 3/4" / 1" -BSP /NPT (F)
Process Connection	: Standard Flanges
Bore Size	: 7 / 9 / 10 / 12 / 16 mm in Seamless Pipe / Tube , 7x10, 7x12, 9x14, 10x12,12x14, 12x16 mm , Pipe 1/8" , 1/4" 1/2" , 1" Sch.- 40, 80, 160 in Fabricated Thermowell
Head Type	: Round
Extension Length	: 45mm / 50mm / special requirement
Insertion Length	: Round Type Upto 2000 mm
Other Options	: Shank surface coating / Lining / Sleeve



THERMOWELL WITH FLANGE  
FABRICATE TYPE  
MODEL- SM33-03

Material Construction	: SS304 / SS310 / SS316 / SS446 / INCONEL / MONEL/HASTELLOY-C
Instrument Connection	: 3/8" / 1/2" / 3/4" / 1" -BSP /NPT (F)
Process Connection	: Standard Flanges
Bore Size	: 6.6 / 7 / 8.5 / 9.6 / 11 / 13 mm in Bar stock Thermowell
Head Type	: Round
Extension Length	: 45mm / 50mm / special requirement
Insertion Length	: Round Type Upto 1000 mm
Other Options	: Wake Frequency Calculation, Shank surface coating / Lining / Sleeve



THERMOWELL WITH FLANGE  
BAR STOCK TYPE  
MODEL- SM33-04

Material Construction	: SS304 / SS310 / SS316 / SS446 / INCONEL / MONEL/HASTELLOY-C
Instrument Connection	: 3/8" / 1/2" / 3/4" / 1" -BSP /NPT (F)
Process Connection	: Suitable to Standard Flanges
Bore Size	: 6.6 / 7 / 8.5 / 9.6 / 11 / 13 mm in Bar stock Thermowell
Head Type	: Round
Extension Length	: 45mm / 50mm / special requirement
Insertion Length	: Round Type Upto 1000 mm
Other Options	: Wake Frequency Calculation, Shank surface coating / Lining / Sleeve



THERMOWELL -VAN STONE  
BAR STOCK TYPE  
MODEL- SM33-05

# VALVE & MANIFOLD VALVES

Models	: Needle Valves -Isolation
Needle Types	: Hard Seated / Soft Seated / Ball seated
Mounting	: Pipe to Pipe - Remote Type
Process & Instr. Connection Size	: 1/4, 3/8,1/2",3/4",1", 1.5" -BSP / NPT
Process x Instr. Connection Form	: M x M / M X F, F X F
Pressure Rating	: 6000 psi / 10000 psi / 20000 psi
Stem Packing	: PTFE / Grafoil
Material Construction	: SS304 / SS316 / INCONEL / MONEL / HASTELLOY-C



NEEDLE VALVE (ISOLATION)  
MODEL- SM34-01

Models	: Needle Valves -Isolation , Block & Bleed Valve
Needle Types	: Hard Seated / Soft Seated / Ball seated
Mounting	: Pipe to Pipe - Remote Type
Process & Instr. Connection Size	: 1/4,3/8,1/2",3/4",1", 1.5" -BSP / NPT
Process x Instr. Connection Form	: MxM / MXF / FXF
Pressure Rating	: 6000 psi / 10000 psi / 20000 psi
Stem Packing	: PTFE / Grafoil
Material Construction	: SS304 / SS316 / INCONEL / MONEL / HASTELLOY-C



BLOCK AND BLEED VALVE  
MODEL- SM34-02

Models	: Needle Valves -Isolation , Block & Bleed Valve
Needle Types	: Hard Seated / Soft Seated / Ball seated
Mounting	: Pipe to Pipe - Remote Type
Process & Instr. Connection Size	: 1/4,3/8,1/2",3/4",1", 1.5" -BSP / NPT
Process x Instr. Connection Form	: MxM / MXF / FXF
Pressure Rating	: 6000 psi / 10000 psi / 20000 psi
Stem Packing	: PTFE / Grafoil
Material Construction	: SS304 / SS316 / INCONEL / MONEL / HASTELLOY-C



MULTI PORT VALVE  
MODEL- SM34-03

Models	: Manifold : 2 valves : 1 isolation valve , 1 vent valve
Needle Types	: Hard Seated / Soft Seated
Mounting	: Pipe to pipe , Remote Type
Process & Instr. Connection Size	: 1/4",1/2" -BSP / NPT
Process x Instr. Connection Form	: Female x Female
Pressure Rating	: 6000 psi to 10000 psi
Stem Packing	: PTFE / Grafoil
Material Construction	: SS304 / SS310 / SS316 / INCONEL / MONEL / HASTELLOY-C
Options	: Nace MR0175/MR0103 / Oxygen Service ,



TWO WAY MANIFOLD VALVE  
MODEL- SM35-02

Models	: Manifold : 3 valves : 2 isolation, 1 Equalizer
Needle Types	: Hard Seated / Soft Seated
Mounting	: Pipe to pipe, Remote Type
Process & Instr. Connection Size	: 1/4",1/2" -BSP / NPT
Process x Instr. Connection Form	: F x F , M x F, M x M
Pressure Rating	: 6000 psi
Stem Packing	: PTFE / Grafoil
Material Construction	: SS304 / SS310 / SS316 / INCONEL / MONEL / HASTELLOY - C
Options	: Nace MR0175/MR0103 / Oxygen Service



THREE WAY MANIFOLD VALVE  
MODEL- SM35-03

Models	: Manifold : Isolation, 4 valves
Needle Types	: Hard Seated / Soft Seated
Mounting	: Pipe to pipe, Remote Type
Process & Instr. Connection Size	: Threaded -1/2" -BSP / NPT
Process x Instr. Connection Form	: Flange - Co-planner (DIN 19213)
Pressure Rating	: 6000 psi
Stem Packing	: PTFE / Grafoil
Material Construction	: SS304 / SS310 / SS316 / INCONEL / MONEL / HASTELLOY - C
Options	: Nace MR0175/MR0103 / Oxygen Service



FOUR WAY MANIFOLD VALVE  
MODEL- SM35-04

Models	: Manifold : 3 valves : 2 isolation, 1 Equalizer
Needle Types	: Hard Seated / Soft Seated
Mounting	: Pipe to pipe, Remote Type
Process & Instr. Connection Size	: 1/4",1/2" -BSP / NPT
Process x Instr. Connection Form	: F x F , M x F, M x M
Pressure Rating	: 6000 psi
Stem Packing	: PTFE / Grafoil
Material Construction	: SS304 / SS310 / SS316 / INCONEL / MONEL / HASTELLOY - C
Options	: Nace MR0175/MR0103 / Oxygen Service



FIVE WAY MANIFOLD VALVE  
MODEL- SM35-05

# LEVEL SWITCH

Mounting	: SIDE / TOP
Type	: General Purpose / Sanitary
Specific Gravity	: 0.75
Operating Temp	: -10°C .... 100°C
Operating Pressure	: 12 Bar
Switch Points	: 1No / 2 Nos / 3Nos / 4 Nos
Process Connection	: 1" BSP / NPT / Standard Flanges
Wetted Parts	: SS316
Ingress Protection	: Weather Proof / Flame Proof / Ex-Proof
Switch Type	: 1SPST & 1SPDT
Switch Rating	: 5A / 230 VAC -Reed Switch
Insertion Length	: 150 mm .... 3000 mm
Enclosure Protection	: Die Cast Aluminium / SS304, also with surface coating - Epoxy Painting
Wetted Parts Protection	: Non Magnetic SS316 , Surface coating - PVDF / PTFE



SS FLOAT, SIDE MOUNTED  
MODEL- SM37-01

Mounting	: TOP
Type	: General Purpose / Sanitary
Specific Gravity	: 0.75 ,
Operating Temp	: -10°C .... 100°C
Operating Pressure	: 12 Bar
Switch Points	: 1No / 2 Nos / 3Nos / 4 Nos
Process Connection	: 1" BSP / NPT / Standard Flanges
Wetted Parts	: SS316
Ingress Protection	: Weather Proof / Flame Proof / Ex-Proof
Switch Type	: 1SPST & 1SPDT
Switch Rating	: 0.5A / 230 VAC -Reed Switch
Insertion Length	: 150 mm .... 3000 mm
Enclosure Protection	: Die Cast Aluminium / SS304, also with surface coating Epoxy Painting
Wetted Parts Protection	: Non Magnetic SS316, Surface coating - PVDF / PTFE



SS FLOAT, TOP MOUNTED  
MODEL- SM38-01

Mounting	: REAR / SIDE / TOP SIDE
Specific Gravity	: 0.75
Operating Temp	: -20 ... 120°C / -20 ... 300°C
Operating Pressure	: 10bar / 25 bar / 50 Bar / 80 Bar / 100 Bar
Process Connection	: 1/2" ..... 1" NPT / Standard Flanges / Weld in
Indicator	: Rolling Flappers - Blue & White / Red & White
Wetted Parts Protection	: SS304 / SS316 / SS316L / with NACE
Distance Center to Center	: 200 mm .... 6000 mm
Scale	: Aluminium / SS304 / SS316
Least Count	: As per requirement
Options	: Switches -1SPDT , Switch Points -1 / 2 / 3 / 4 Nos / Transmitter / Valve



MAGNETIC LEVEL GAUGE  
BI COLOUR  
MODEL- SM39-01

Mounting	: LEFT SIDE / RIGHT SIDE / REAR SIDE / TOP SIDE
Operating Temp	: -20 ... 120°C / UPTO 240°C / UPTO 400°C
Operating Pressure	: 20bar / 35 bar / 65 Bar / 80 Bar / 100Bar / 200 bar
Process Connection	: 1/2" ..... 1" NPT / Standard Flanges / Weld in
Indicator	: Gauge Glass -Klinger / Borosilicate
Wetted Parts	: SS304 / SS316 / CS105
Distance Center to Center	: 250 mm .... 6000 mm
Scale	: Aluminium / SS304 / SS316
Least Count	: As per requirement
Options	: Needle / ball Valves / FLANGES with Vent or Drain Port, Auto shut of valve



GLASS LEVEL GAUGE - REFLEX  
MODEL- SM40-01

# LEVEL SWITCH

Mounting	: LEFT SIDE / RIGHT SIDE / REAR SIDE / TOP SIDE
Operating Temp	: -20 ... 120°C / 240°C / 300°C
Operating Pressure	: 20bar / 35 bar / 65 Bar / 80 Bar / 100 Bar / 200 Bar
Process Connection	: 1/2" ..... 1" NPT / Standard Flanges / Weld in
Indicator	: Gauge Glass - Klinger / Borosilicate
Wetted Parts	: SS304 / SS316 / CS105
Distance Center to Center	: 250 mm .... 6000 mm
Scale	: Aluminium / SS304 / SS316
Least Count	: As per requirement
Options	: Anti frost protection, Illuminator with diffuser, Needle / ball Valves / FLANGES with Vent or Drain Port /Auto shut of valve



GLASS LEVEL GAUGE - TRANSPARENT  
MODEL- SM40-02

Mounting	: REAR SIDE / LEFT SIDE / RIGHT SIDE / TOP SIDE
Operating Temp	: -10 ... 100°C
Operating Pressure	: Upto 10 Bar
Process Connection	: 1/2" ..... 1" BSP/ NPT / Standard Flanges
Indicator	: Borosilicate Glass Tube / Plexi Glass
Wetted Parts	: SS304 / SS316 / CS105
Distance Center to Center	: 150 mm .... 2000 mm
Scale	: Aluminium / SS304 / SS316
Least Count	: As per requirement
Options	: Drain / Vent with ball Valves



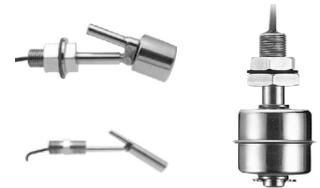
GLASS LEVEL GAUGE -TUBULAR  
MODEL- SM41-01

Mounting assemblies (2 x pulley systems)	: Cadmium plated steel pulley with PTFE bush and SS shaft housed In weatherproof enclosure
Operating Temp	: -10 ... 80°C
Operating Pressure	: Upto 5 Bar
Process Connection	: Standard Flanges
Least Count	: 5 mm
Float Material & Size	: AISI316 SS / ?200 mm for up to 7.5 Meters / AISI316 SS /?350 mm for up to 20 Meters
Measuring Ranges	: 3 meter .... 20 meter
Scale	: Aluminium / SS with coating,
Least Count	: As per requirement
Float / Guide Wire Ropes	: AISI 316 SS / AISI 304 SS (0 1.6 mm • multistard)
Options	: Ancer Plate for float guide



FLOAT AND SCALE LEVEL GAUGE  
MODEL- SM41-02

Mounting	: SIDE / TOP
Type	: Side Mounted / Top Mounted
Specific Gravity	: 0.8
Operating Temp	: -10 .... 180°C
Operating Pressure	: 4 bar ... 10 Ba
Process Connection	: 1/4" ..... 1" BSP / NPT
Switch Type & Rating	: 1SPDT / 2 SPDT, 0.5A /230VAC-Reed switch



LEVEL SWITCH, MINIATURE,  
SS, SIDE/TOP MOUNTED  
MINIATURE LEVEL SWITCH  
MODEL- SM42-01

Mounting	: TOP
Material of Float	: POLYPROLINE
Process Conn. Material	: SS316 / PP / CS105 / PVC
Specific Gravity	: 0.8
Operating Temp	: -10 .... 60°C
Operating Pressure	: Max 4 Bar
Enclosure	: Die Cast Aluminium - Weather proof / Flame Proof
Process Connection	: Standard Flanges
Ingress Protection	: IP68
Switch Type & Rating	: 1SPDT, 5A / 250 VAC -Micro Switch
Cable Material & Set Points	: PVC / 5 Points
Cable Length	: 300 mm .....upto 25 meter



CABLE FLOAT LEVEL SWITCH  
MODEL- SM42-02

# PRESSURE SWITCH

Features	: Field Adjustable /Auto Reset / CE Complied / Differential Adjust.
Accuracy	: $\pm 1\%$ / CL 1
Repeatability	: $\pm 1\%$
Mounting	: Bottom / Back Panel
Enclosure	: Steel Body( Plated with Plastic Cover )
Sensing Element	: PB Bellow
Process Connection	: 1/4" BSP (F),
Options	: 3/8",/1/2"-BSP / NPT
Max. Process Temp.	: 100°C
Ambient Temp.	: -10 .. 60°C
Switch Type & Rating	: 1SPDT , 5A / 220 VAC/10A 24VDC - Micro Switch
Ranges	: 3 ..... 30 bar
Differential	: 1.5 ..... 12 Bar
Accessories	: Mounting Bracket with bolt - Steel Plated



COMMERCIAL PRESSURE SWITCH  
GENERAL PURPOSE  
MODEL-SM43-01

Features	: Fixed/Field Adjustable(External) / Differential Adjus.- External / Internal
Accuracy	: $\pm 1\%$ / CL 1
Repeatability	: $\pm 0.5\%$ /CL 0.5, On Raising /On Falling
Mounting	: Bottom / Back Panel / 2"pipe Mounting Bracket
Enclosure	: Die Cast Aluminium -Wheather Proof - IP68
Wetted Parts	: Bottom Body , Diaphragm
MOC	: SS316/ Monel / Inconel / PTFE
Process Connection	: 1/4" BSP(F)
Options	: 3/8", /1/2"-BSP / NPT
Max. Process Temp.	: 150°C
Ambient Temp.	: -20 .. 65°C
Switch Type & Rating	: 1SPDT,2SPDT,DPDT, 5A / 250 VAC / 0.2A 24VDC Standard -Micro Switch with silver Contact.
Micro Switch	: Low/High Dead Band, Hermetically/Environment Sealed/Gold Contact
Ranges	: 10mbar .....25 bar , -1.... 400mbar
Differential	: 2mbar ..... 6 Bar
Accessories	: Mounting Bracket with bolt - Steel Plated /2" Pipe mounting bracket
Cable Entry	: PG13.5 (std)
Options	: 3/4 ET / 1/2" NPT / DIN Conn/ 4pin / 7pin connectors Single / Double Compression Gland- Weather proof - Brass / SS



WEATHERPROOF PRESSURE SWITCH  
LOW PRESSURE SWITCH  
MODEL-SM44-01

Features	: Fixed/Field Adjustable(External)/Differential Adjustment-External/Internal
Accuracy	: $\pm 1\%$ / CL 1
Repeatability	: $\pm 0.5\%$ /CL 0.5, On Raising /On Falling
Mounting	: Bottom / Back Panel / 2"pipe Mounting Bracket
Enclosure	: Die Cast Aluminium -Wheather Proof -IP68
Wetted Parts	: Bottom Body ,Piston
MOC	: SS316/ Monel / Inconel / PTFE
Process Connection	: 1/4" BSP(F)-Standard
Options	: 3/8",/1/2"-BSP / NPT
Max. Process Temp.	: 150°C
Ambient Temp.	: -20 .. 65°C
Switch Type & Rating	: 1SPDT,2SPDT,DPDT, 5A / 250 VAC / 0.2A 24VDC - Standard : Micro Switch with silver contact
Micro Switch	: Low/High Dead Band, Hermetically/Environment Sealed /Gold Contact
Ranges	: Ranges : Above 25 bar ..... 250 bar
Differential	: 0.1 .....25 Bar
Accessories	: Mounting Bracket with bolt - Steel Plated /2" Pipe mounting bracket
Cable Entry	: PG13.5 (std)
Options	: 3/4 ET / 1/2" NPT / DIN Conn/ 4pin / 7pin connectors Single / Double Compression Gland- Weather proof - Brass / SS



HIGH PRESSURE SWITCH  
MODEL- SM44-02

# PRESSURE SWITCH

Features	: Fixed/Field Adjustable (External)/Differential Adjustment-External/Internal
Accuracy	: $\pm 1\%$ / CL 1
Repeatability	: $\pm 0.5\%$ /CL 0.5, On Raising / On Falling
Mounting	: Bottom / Back Panel / 2"pipe Mounting Bracket
Enclosure	: Die Cast Aluminium - Wheather Proof Design -IP68
Wetted Parts	: Body, Diaphragm
MOC	: SS316/ Monel / Inconel
Process Connection	: 1/4" BSP(F) - Standard
Options	: 3/8",1/2"-BSP / NPT
Max. Process Temp.	: 150°C
Ambient Temp.	: -20 .. 65°C
Switch Type & Rating	: 1SPDT,2SPDT,DPDT, 5A / 250 VAC / 0.2A 24VDC Standard : Micro Switch with silver contact
Micro Switch	: Low/High Dead Band, Hermetically/Environment Sealed / Gold Contact
Ranges	: 10 mbar ..... 25 bar
Differential	: Fixed / Adjustable
Accessories	: Mounting Bracket with bolt - Steel Plated /2" Pipe mounting bracket
Cable Entry	: PG13.5 (std)
Options	: 3/4 ET / 1/2" NPT / DIN Conn/ 4pin / 7pin connectors Single / Double Compression Gland- Weather proof - Brass / SS



DIFFERENTIAL PRESSURE SWITCH  
HP/ LP PORT TYPE  
MODEL-SM45-01

Features	: Fixed/Field Adjustable (External)/Differential Adjustment-External/Internal
Accuracy	: $\pm 1\%$ / CL 1
Repeatability	: $\pm 0.5\%$ /CL 0.5, On Raising / On Falling
Mounting	: Bottom / Back Panel / 2"pipe Mounting Bracket
Enclosure	: Die Cast Aluminium - Flame Proof- IIA IIB IIC T6 ZONE 1 & 2
Wetted Parts	: Bottom Body, Diaphragm
MOC	: SS316/ Monel / Inconel / PTFE
Process Connection	: 1/4" BSP(F) - Standard
Options	: 3/8",1/2"-BSP / NPT
Max. Process Temp.	: 150°C
Ambient Temp.	: -20 .. 65°C
Switch Type & Rating	: 1SPDT,2SPDT,DPDT, 5A / 250 VAC / 0.2A 24VDC Standard : Micro Switch with silver contact
Micro Switch	: Low/High Dead Band, Hermetically/Environment Sealed /Gold Contact
Ranges	: 10 mbar ..... 25 bar
Differential	: Fixed / Adjustable
Accessories	: Mounting Bracket with bolt - Steel Plated /2" Pipe mounting bracket, Diaphragm Seal, Syphon, Snubber, Cooling Tower
Cable Entry	: 3/4 ET / 1/2" NPT Double Compression Gland- Flame Proof - Brass / SS



FLAME PROOF PRESSURE SWITCH  
LOW PRESSURE  
MODEL-SM46-01

Features	: Fixed/Field Adjustable (External)/Differential Adjustment-External/Internal
Accuracy	: $\pm 1\%$ / CL 1,
Repeatability	: $\pm 0.5\%$ /CL 0.5, On Raising /On Falling
Mounting	: Bottom / Back Panel / 2"pipe Mounting Bracket
Enclosure	: Die Cast Aluminium - Flame Proof- IIA IIB IIC T6 ZONE 1 & 2
Wetted Parts	: Bottom Body, Piston
MOC	: SS316/ Monel / Inconel / PTFE
Process Connection	: 1/4" BSP(F) - Standard
Options	: 3/8",1/2"-BSP / NPT
Max. Process Temp.	: 150°C
Ambient Temp.	: -20 .. 65°C
Switch Type & Rating	: 1SPDT,2SPDT,DPDT, 5A / 250 VAC / 0.2A 24VDC - Standard : Micro Switch with silver contact
Micro Switch	: Low / High Dead Band, Hermetically /Environment Sealed /Gold Contact
Ranges	: Above 25bar ..... 250 bar
Differential	: Fixed / Adjustable
Accessories	: Mounting Bracket with bolt - Steel Plated /2" Pipe mounting bracket, Diaphragm Seal, Syphon, Snubber, Cooling Tower
Cable Entry	: 3/4 ET / 1/2" NPT Double Compression Gland- Flame Proof - Brass/SS



FLAME PROOF PRESSURE SWITCH  
HIGH PRESSURE  
MODEL-SM46-02

# PRESSURE SWITCH

Features	: Fixed / Field Adjustable
Accuracy	: $\pm 2\%$ / CL 2%
Repeatability	: $\pm 2\%$ / CL 2
Range	: 1.....160 bar
Mounting	: Bottom
Wetted Parts	: Bottom Body , Diaphragm / Piston
MOC	: SS304/SS316
Process Connection	: 1/4"BSP(M)
Options	: Option: 1/8" / 3/8" / 1/2"- BSP / NPT / MM
Max. Process Temp.	: 100°C
Ambient Temp.	: -20 .. 150°C
Switch Type & Rating	: 1SPST, 5A / 220 VAC - Contact Type
Switching Type	: NO / NC

Dial Size	: DN40 / DN50 / DN63 / DN80 / DN100 / DN125 / DN150 / DN250
Temp. Range	: -100 to 600°C
Accuracy	: $\pm$ CL 1
Standard	: EN13190
Mounting	: Bottom/Center Back / Every angle Clamp with External Zero Adjustment
Process Connection	: 1/4" / 3/8" / 1/2"-BSP / NPT, Special Connections
Ingress Protection	: IP65, Hermetically Sealed Encloser
Execution	: Dry / Fillable
Sensing Element	: Bimetal Helix
Case & Bezel	: SS304/316, - Stem / Probe TIG welded with Case

Dial Size	: DN100 / DN125 / DN150 / DN250
Temp. Range	: -100 to 650°C
Accuracy	: $\pm$ CL 1
Standard	: EN13190
Mounting	: Bottom/Center Back/Every angle Clamp with External Zero Adjustment
Process Connection	: 1/4",/3/8",/1/2"-BSP / NPT, Option with Anti Vibration spring
Ingress Protection	: IP65 , Options Hermetically Sealed Encloser
Execution	: Dry / Fillable
Sensing Element	: Bourdon Tube with Temperature Compensation
Case & Bezel	: SS304/316, - Stem / Probe TIG welded with Case

Dial Size	: DN100 / DN150, Window- standard Glass
Temp. Range	: -100 to 650°C
Accuracy	: $\pm$ CL 1
Standard	: EN13190
Mounting	: Bottom/Center Back/Every angle Clamp with External Zero Adjustment
Process Connection	: 1/4",/3/8",/1/2"-BSP / NPT, Option with Anti Vibration spring
Ingress Protection	: IP65 , Hermetically Sealed Encloser
Execution	: Dry / Fillable
Electric Contact	: Magnetic / Inductive Contacts, NO,NC,SPST,DPDT,NONC
Sensing Element	: Bourdon Tube with Temperature Compensation, H.V
Case & Bezel	: SS304/316, - Stem / Probe TIG welded with Case

Dial Size	: DN100 / DN150, Window- Doom Glass
Temp. Range	: -100 to 650°C
Accuracy	: $\pm$ CL 1
Standard	: EN13190
Mounting	: Bottom/Center Back/Every angle Clamp with External Zero Adjustment
Process Connection	: 1/4",/3/8",/1/2"-BSP / NPT, Option with Anti Vibration spring
Ingress Protection	: IP65 , Hermetically Sealed Encloser
Execution	: Dry / Fillable
Electric Contact	: Magnetic / Inductive Contacts, NO,NC,SPST,DPDT,NONC,
Sensing Element	: Bourdon Tube with Temperature Compensation
Case & Bezel	: SS304/316, - Stem / Probe TIG welded with Case



MINIATURE PRESSURE SWITCH  
MODEL- SM49-01



BIMETAL TEMPERATURE GAUGES  
MODEL-SM50



GAS FILLED TEMPERATURE GAUGES  
MODEL-SM51



ELECTRIC CONTACT TEMPERATURE  
GAUGES -STD. GLASS  
MODEL-SM52



ELECTRIC CONTACT TEMPERATURE  
GAUGES - DOOM GLASS  
MODEL-SM53