



APEX THERMOCON PVT. LTD.

INSTRUMENTATION ♦ VALVES ♦ SOLUTIONS



- THERMOWELLS
- PARTS AND ACCESSORIES FOR THERMOCOUPLES
- INSTRUMENT TUBE AND PIPE FITTINGS

- INSTRUMENTATION & CONTROL ACCESSORIES
- PRECISION TURNED COMPONENTS
- NEEDLE VALVES AND MANIFOLDS
- CUSTOM - BUILT PARTS

AN ISO 9001 : 2015 COMPANY

ABOUT US

Located in the industrial town of Ghaziabad, we are an established manufacturer of a wide range of Thermowells, Bulb Pockets, Needle Valves, Isolation Valves, Gauge Cocks, Manifolds, Adaptors, Gauge Savers, Dampeners, Siphons, Flanges and Instrumentation Accessories. We also manufacture Parts & Accessories for Thermocouples & RTD's and other Precision Turned Components.

We are currently supplying these items to various reputed organizations in India, Australia, U.K. & U.S.A. to their complete satisfaction.

THE MANAGEMENT

SUMESH GARG (MD & CEO)

Holds degrees in MBA and Mechanical Engineering , has worked with a reputed MNC before starting Apex Thermocon Pvt. Ltd.

SANGEETA GARG (DIRECTOR)

Hold Masters Degree in Science and PGDCSA. Currently looks after Administration of the Company.

OUR STRENGTHS

The technical background of our promoters helps us understand our customers' requirements very well. At times we have effected considerable savings for our customers through our suggestions. We work closely with our clients from the concept stage to prototyping and production.

Our products are manufactured using pre-tested raw materials that conform to the highest industrial standards. We source most of our raw materials directly from the mill.

We specialise in Precision Machining as per our customers' specifications. We can also machine any type and size of threads.

We have the experience of working with a large variety of materials viz., SS316, SS316L, SS304, SS304L, SS310, SS410, SS321, SS347, Brass, CS, EN8, EN19, EN20, F11, F22, Monel, Cupronickel, Hastelloy C, Titanium, Inconel etc. and hence can supply components using these materials.

MANUFACTURING SETUP

We work across two units totalling **39,000 sq. ft.** **Unit I, 14,000 sq. ft.**, has been expanding steadily over the past decade. **Unit II** adds a further **25,000 sq. ft.**, equipped with the latest machines and is now in production. It sits close to the original works, so both share the same locational advantages.



Manpower Employed: We have a good mix of technical, skilled and semi-skilled workforce looking after various functions viz. Marketing, Finance, Production, Quality and Administration.

Machines Employed: Our workshop consists of state-of-the-art modern and conventional machines to meet the demands of our customers. The following machines give us the capability to carry out a wide variety of jobs in-house.

- CNC Turning Machines
- Vertical Machining Centres (VMC)
- Conventional Lathes
- TIG Welding Machines
- CNC Metal-Cutting Bandsaw Machines
- Tapping Machines
- Milling Machines
- Laser Marking Machines
- Laser Welding Machine (Proposed)
- CNC Dot-Pin Marking Machines
- Ultrasonic Cleaning Machines
- Polishing Machines
- Sand Blasting Machines
- Gensets for Power-backup



Quality Assurance : We do inspection at every stage to ensure that our customers get high quality products. All the parts are checked 100% before dispatch using latest inspection equipment. Chemical / Physical testing of our raw materials is done by an approved agency.

Out-sourced Capabilities: In addition to our in-house capabilities, we also out-source a variety of jobs as per our customers' requirements like,



Bright Annealing



Vacuum Annealing



Electro-less
Nickel Plating



Electro-Polishing



Zinc Plating



Anodizing



Powder Coating



Die-Molding



Investment Casting



Die-Forging



PMI (Positive Material
Identification)



Radiography

THERMOWELLS

Thermowells are precision machined metallic / non-metallic housings used to protect temperature sensing devices like thermocouples, thermistors and bimetal thermometers from harsh process conditions such as excessive pressure, high velocity flow and corrosion. They also increase the longevity of the sensor, allow sensor replacement without interrupting the process and reduce the chances of contamination.

Thermowells designed for high pressure applications are typically machined from bar stock to ensure integrity. Smaller thermowells for use in low pressure environments may be constructed from tubing with one end welded closed. We offer a wide range of thermowells for temperature sensors.

- We offer Standard as well as Custom Thermowells.
- Our Stainless Steel Thermowells are made with material directly sourced from the Mill with traceability.
- We use dual certified Stainless Steel material for our Thermowells say 304 / 304L SS and 316 / 316L SS.
- We also offer Thermowells in material that conform to NACE MR0175/103.
- We have the CRN Registration for our Standard Thermowells in Canada.
- All our Thermowells are subjected to a hydrostatic pressure test before dispatch.
- All male threads are cut on CNC turning centres and are maintained to a standard tolerance.
- We also offer Thermowells that conform to special surface roughness and tolerance requirements on the ste diameter.
- We also offer Thermowells with custom / logo markings done using our laser marking machine.
- We stock standard Thermowell materials to offer a faster turnaround time to our customers.
- We can also offer Thermowells with a Plug & Chain



Material	316SS / 304SS / 446SS / Brass / Monel / Inconel / Hastelloy / CS/ Cupronickel / F11/ F22 and Other Alloys / PTFE and Other Polymers
Length	Bar Stock upto 1 m / Two-Piece upto 2m / Fabricated upto 3m
Bore Size	0.260" / 0.385" / Custom
End Connection	BSP / BSPT / NPT / UNF / NF / NPSM / SW / Compression Fitted
Process Connection	Flanged / Threaded
Design	Straight Shank / Stepped Shank / Tapered Shank / Limited Space / Sanitary Type

ORDERING GUIDE

ATTW-TYP-A.0-U.0-ID-MAT-PRC

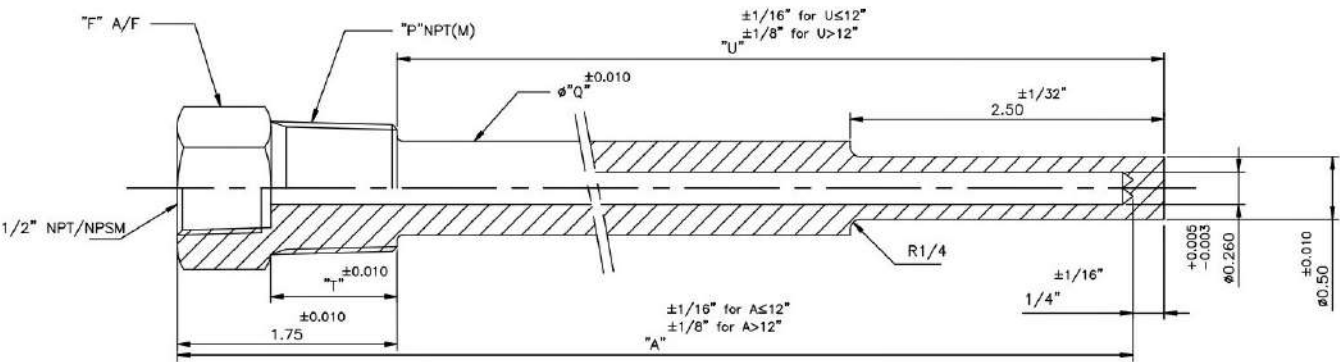
TYP = STP for Stepped Shank
STS for Straight Shank
TPS for Tapered Shank

A.0 = Stem Length in Inches
2.5 / 4.0 / 6.0 / 7.5/9.0/
12.0 & so on

U.0 = Insertion Length in Inches
1.75 / 2.5 / 4.5 / 6.0 / 7.5 / 10.5 & so on

ID = 0.260" / 0.385"
MAT= 304 for 304/L SS
316 for 316/L SS
BRS = For brass

PRC = 08 for 1/2" NPT Process Connection
12 for 3/4" NPT Process Connection
16 for 1" NPT Process Connection



Standard Stepped Shank Thermowell

HEX WELD FITTINGS - STANDARD & SPRING LOADED

We offer Hex Weld Fittings for applications where a connection head and for process connection is required. Spring-loaded fittings are used to install sensors in a Thermowell without the use of a connection head and without worrying if the sensor is over inserted or under inserted into the Thermowell bore. They are usually double threaded and come with the weld lip to weld on the Sensor probe.

- We use dual certified Stainless Steel material for our fittings say 304 / 304L SS and 316 / 316L SS.
- All threads are cut on CNC turning centres and are maintained to a standard tolerance.
- All the bores are reamed to ensure accurate sizes



Standard Hex Weld Fittings		
Part No.	Description	Probe OD
AT-HXN-MAT-08-02	1/2" x 1/2" NPT	1/8"
AT-HXN-MAT-08-03	1/2" x 1/2" NPT	3/16"
AT-HXN-MAT-08-04	1/2" x 1/2" NPT	1/4"
AT-HXN-MAT-08-06	1/2" x 1/2" NPT	3/8"
AT-HXN-MAT-04-02	1/4" x 1/4" NPT	1/8"
AT-HXN-MAT-04-03	1/4" x 1/4" NPT	3/16"
AT-HXN-MAT-04-04	1/4" x 1/4" NPT	1/4"

MAT = 304 for 304SS, 316 for 316SS

CUSTOM HEX WELD FITTINGS IN OTHER BORE SIZES AND THREAD CONFIGURATIONS ARE AVAILABLE ON REQUEST

HEX WELD FITTINGS IN OTHER MATERIALS ARE ALSO AVAILABLE

Spring Loaded Hex Weld Fittings		
Part No.	Description	Probe OD
AT-SLF-MAT-08-02	1/2" x 1/2" NPT	1/8"
AT-SLF-MAT-08-03	1/2" x 1/2" NPT	3/16"
AT-SLF-MAT-08-04	1/2" x 1/2" NPT	1/4"
AT-SLF-MAT-08-06	1/2" x 1/2" NPT	3/8"

MAT = 304 for 304SS, 316 for 316SS



CUSTOM SPRING LOAD HEX FITTINGS IN OTHER BORE SIZES AND THREAD CONFIGURATIONS ARE AVAILABLE ON REQUEST

SPRINGS LOAD HEX FITTINGS IN OTHER MATERIALS ARE ALSO AVAILABLE



Springs for Spring Loaded Hex Weld Fittings		
Part No.	Material	Probe OD
AT-SLS-S-02	Spring Steel Zinc Plated	1/8"
AT-SLS-S-03	Spring Steel Zinc Plated	3/16"
AT-SLS-S-04	Spring Steel Zinc Plated	1/4"
AT-SLS-S-06	Spring Steel Zinc Plated	3/8"

SPRINGS ARE ALSO AVAILABLE IN STAINLESS STEEL ON REQUEST

OIL SEAL SPRING LOADED FITTINGS

Oil Seal Spring Loaded Fittings are used in applications when a movable liquid seal is required. The sensor is spring loaded in a stainless steel process connection fitting with a rubber 'oil seal' ring for a leak proof seal. One of the common uses for such fittings is in sensing the temperature of bearings.

- We use dual certified Stainless Steel material for our oil seal spring loaded fittings say 304/304L SS & 316/316L SS.
- All threads are cut on CNC turning centres and are maintained to a standard tolerance.



Oil Seal Spring Loaded Fittings		
Part No.	Description	Probe OD
AT-OSF-MAT-08-03	1/2" x 1/2" NPT	3/16"
AT-OSF-MAT-08-04	1/2" x 1/2" NPT	1/4"
MAT = 304 for 304SS, 316 for 316SS		

POTTING / BRAZE PLUGS

- We use dual certified Stainless Steel material for our potting plugs say 304 / 304L SS and 316 / 316L SS.
- All threads are cut on CNC turning centres and are maintained to a standard tolerance.

Potting / Braze Plugs		
Part No.	Description	Probe OD
AT-PP-MAT-12-18	1/2" NPT	1/8"
AT-PP-MAT-12-36	1/2" NPT	3/16"
AT-PP-MAT-12-14	1/2" NPT	1/4"
AT-PP-MAT-12-38	1/2" NPT	3/8"
AT-PP-MAT-14-18	1/4" NPT	1/8"
AT-PP-MAT-14-36	1/4" NPT	3/16"
AT-PP-MAT-14-14	1/4" NPT	1/4"
AT-PP-MAT-14-38	1/4" NPT	3/8"
MAT = 304 for 304SS, 316 for 316SS		



MELTBOLTS

We make Meltbolts for Melt pressure transducers used for pressure measurement and control of molten materials under high temperature conditions. Our Blank Meltbolts are used to close or block existing melt temperature or pressure vents.

- We use dual certified Stainless Steel material for our meltbolts say 304 / 304L SS and 316 / 316L SS.
- All threads are cut on CNC turning centres and are maintained to a standard tolerance.



Meltbolts		Part No.	Length
Material	304SS / 316SS	ATMTB-MAT-003-SUFFIX	3.0"
Length	3" to 24"	ATMTB-MAT-004-SUFFIX	4.0"
Bore Type	Step Bore / Thru-bore / Blank	ATMTB-MAT-006-SUFFIX	6.0"
Option	Threaded Head / Set Screws	ATMTB-MAT-009-SUFFIX	9.0"

MAT = 304 for 304SS, 316 for 316SS

CUSTOM POTTING PLUGS IN OTHER BORE SIZES AND THREAD CONFIGURATIONS ARE AVAILABLE ON REQUEST

SUFFIX = 'STD' for Standard,
 '516' for 5/16"-24 tapping inside head,
 '815' for M8 x 1.5 tapping inside head,
 'X' for #8-32 UNC tapping for set screws,
 'B' for Blank Meltbolt

COMPRESSION FITTINGS

We offer Bore-thru Compression Fittings for various OD Thermocouple and RTD Probes. These fittings help to securely mount the temperatures sensors in liquid, air and gas applications.

- We offer these fittings in 316SS, Brass and PTFE materials.
- We offer both Single Ferrule and Double Ferrule Fittings.
- We use dual certified Stainless Steel material for our fittings say 316 / 316L SS.
- All threads are cut on CNC turning centres and are maintained to a standard tolerance.
- All the bores are reamed to ensure accurate sizes.



Compression Fittings		
Part No.	Tube OD	Thread (NPT)
AT-BTF-MAT-01-01-S	1/16"	1/16"
AT-BTF-MAT-01-02-S	1/16"	1/8"
AT-BTF-MAT-01-04-S	1/16"	1/4"
AT-BTF-MAT-02-02-S	1/8"	1/8"
AT-BTF-MAT-02-04-S	1/8"	1/4"
AT-BTF-MAT-02-06-S	1/8"	3/8"
AT-BTF-MAT-02-08-S	1/8"	1/2"
AT-BTF-MAT-03-02-S	3/16"	1/8"
AT-BTF-MAT-03-04-S	3/16"	1/4"
AT-BTF-MAT-03-06-S	3/16"	3/8"
AT-BTF-MAT-03-08-S	3/16"	1/2"
AT-BTF-MAT-04-02-S	1/4"	1/8"
AT-BTF-MAT-04-04-S	1/4"	1/4"
AT-BTF-MAT-04-06-S	1/4"	3/8"
AT-BTF-MAT-04-08-S	1/4"	1/2"
AT-BTF-MAT-05-04-S	5/16"	1/4"
AT-BTF-MAT-05-08-S	5/16"	1/2"
AT-BTF-MAT-06-04-S	3/8"	1/4"
AT-BTF-MAT-06-06-S	3/8"	3/8"
AT-BTF-MAT-06-08-S	3/8"	1/2"
AT-BTF-MAT-08-08-S	1/2"	1/2"

MAT = 316 for 316SS

BRS for Brass

PTF for PTFE

S = 1 for Single Ferrule, 2 for Double Ferrule

* PTFE Compression Fittings are only available with a Single Ferrule

SPARE FERRULES AND NUTS ARE AVAILABLE

SPARE SINGLE FERRULES ARE ALSO AVAILABLE IN PTFE

COMPRESSION FITTINGS IN OTHER MATERIALS ARE ALSO AVAILABLE

CUSTOM COMPRESSION FITTINGS ARE ALSO AVAILABLE ON REQUEST

COMPRESSION FITTINGS WITH METRIC AND UNIFIED THREADS ARE AVAILABLE ON REQUEST

BAYONET ADAPTORS

Bayonet adaptors and bayonet caps are used with spring-loaded thermocouples to offer a quick release and adjustable mechanism between the sensor and the process.

- Bayonet Adaptors – They form the cylindrical male side of a bayonet mount with one or more radial pins. The sensor tip is inserted into the adaptor, which compresses the spring. The adaptor then has a male thread for mounting and a bayonet pin for attaching to the cap.
- Bayonet Caps – They form the female receptor side of a bayonet mount with J-shaped slots. The cap locks into place, ensuring a tight fit between the sensing junction and the measuring surface. The cap pushes the sensor against the surface, which increases accuracy, precision, and response time.
- We offer Bayonet adaptors & caps in different sizes, configurations, and materials, depending on the application and industry requirements.

Bayonet Adaptors	
Material	304SS / 316SS / CS Zinc Plated / CS Nickel Plated / Brass Nickel Plated
Length	7/8" to 15"
Thread	1/8" NPT / 3/8"-24 UNF
Type	Single Pin / Double Pin

CUSTOM BAYONET ADAPTORS ARE AVAILABLE ON REQUEST

BRAZED PINS & OTHER THREAD SIZES ARE

AVAILABLE ON REQUEST



Part No.	Length	Part No.	Length
AT-BYA-MAT-06-7/8-THD	7/8"	AT-BYA-MAT-06-2-1/4-THD	2-1/4"
AT-BYA-MAT-06-1-THD	1"	AT-BYA-MAT-06-2-1/2-THD	2-1/2"
AT-BYA-MAT-06-1-1/4-THD	1-1/4"	AT-BYA-MAT-06-3-THD	3"
AT-BYA-MAT-06-1-1/2-THD	1-1/2"	AT-BYA-MAT-06-3-1/2-THD	3-1/2"
AT-BYA-MAT-06-2-THD	2"	AT-BYA-MAT-06-4-THD	4"

MAT = CSZ for Carbon Steel Zinc Plated
 CSN for Carbon Steel Nickel Plated
 304 for 304SS
 316 for 316SS
 THD = NPT for 1/8" NPT Threads
 UNF for 3/8"-24 UNF Threads

Bayonet Caps		Part No.	Description
Material	303SS / 316SS / CS Zinc Plated / CS Nickel Plated / Brass Nickel Plated	AT-BLC-MAT-PLN-01	Single J-Slot Plain
		AT-BLC-MAT-PLN-02	Double J-Slot Plain
J-Slot	Single / Double	AT-BLC-MAT-SPR-01	Single J-Slot threaded for Spring
		AT-BLC-MAT-SPR-02	Double J-Slot threaded for Spring
Type	Threaded to suit Armor / Threaded to suit Spring / Plain	AT-BLC-MAT-ARM-01	Single J-Slot threaded for Armor
		AT-BLC-MAT-ARM-02	Double J-Slot threaded for Armor

MAT = CSZ for Carbon Steel Zinc Plated
 CSN for Carbon Steel Nickel Plated
 BRS for Brass Nickel Plated
 304 for 304SS, 316 for 316SS

OUR STANDARD BAYONET CAPS ARE MADE TO SUIT 3/16" OD PROBES
BAYONET CAPS TO SUIT OTHER PROBE SIZES ARE AVAILABLE ON
REQUEST STANDARD OD = 0.563" / ID = 0.457" - CUSTOM BAYONET
CAPS ARE AVAILABLE ON REQUEST



SPRINGS

- Standard Bell Springs are available in standard 8" & 12" lengths in Spring Steel and Stainless Steel.
- Custom Springs are available on request.

TRANSITION FITTINGS & STRAIN RELIEF SPRINGS

Transition Fittings are used for potted connections between sheathed thermocouple material and insulated wire. They are used with thermocouples in applications where one thermocouple material can't be used due to extreme environments, such as high temperatures, corrosive or abrasive environments, or radiation exposure.

We offer Standard as well as Custom Transition Fittings.



Material	303SS / 304SS / 316SS
Size	Standard- 3/8" OD Body
	Mini - 1/4" OD Body
	Custom
Bore Size	1/16", 1/8", 3/16", 1/4", 5/16" & 3/8"
Type	Threaded / Non-Threaded

Standard Transition Fittings - 3/8" OD Body		
Part No.	Description	Probe OD
AT-NTF-MAT-38-01	Non-Threaded	1/16"
AT-NTF-MAT-38-02	Non-Threaded	1/8"
AT-NTF-MAT-38-03	Non-Threaded	3/16"
AT-NTF-MAT-38-04	Non-Threaded	1/4"
AT-TTF-MAT-38-01	Threaded: 3/8" x 24UNF	1/16"
AT-TTF-MAT-38-02	Threaded: 3/8" x 24UNF	1/8"
AT-TTF-MAT-38-03	Threaded: 3/8" x 24UNF	3/16"
AT-TTF-MAT-38-04	Threaded: 3/8" x 24UNF	1/4"
AT-TTF-MAT-38-05	Threaded: 3/8" x 24UNF	5/16"
AT-TTF-MAT-38-06	Threaded: 3/8" x 24UNF	3/8"

Mini Transition Fittings - 1/4" OD Body		
Part No.	Description	Probe OD
AT-NQTF-MAT-38-01	Non-Threaded	1/16"
AT-NQTF-MAT-38-02	Non-Threaded	1/8"
AT-NQTF-MAT-38-03	Non-Threaded	3/16"
AT-TQTF-MAT-38-01	Threaded: 1/4" x 28UNF	1/16"
AT-TQTF-MAT-38-02	Threaded: 1/4" x 28UNF	1/8"
AT-TQTF-MAT-38-03	Threaded: 1/4" x 28UNF	3/16"

Custom Transition Fittings - 1/4" OD Body	
Body OD	3/16" / 1/4"
Probe OD	0.040" / 0.062" / 0.156"

MAT = '303' for 303SS / '304' for 304SS / '316' for 316SS

**CUSTOM TRANSITION FITTINGS ARE ALSO
AVAILABLE ON REQUEST**

Strain Relief Springs		
Part No.	Material	To suit
AT-TPS-S	Spring Steel-Zinc Plated	Standard Transition Fittings - 3/8" OD Body
AT-TPS-304	304 SS	Standard Transition Fittings - 3/8" OD Body
AT-QTPS-S	Spring Steel-Zinc Plated	Mini Transition Fittings - 1/4" OD Body
AT-QTPS-304	304 SS	Mini Transition Fittings - 1/4" OD Body

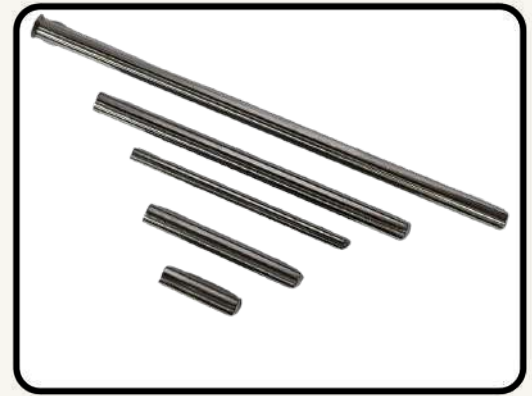


SPRINGS FOR CUSTOM APPLICATIONS ARE ALSO AVAILABLE ON REQUEST

CLOSED END TUBES

We are offering a large variety of Closed End Tubes for use with RTDs and Thermocouples. The tubes are spun-closed, welded and polished and are 100% pressure tested before dispatch.

Material	304SS / 316SS / Inconel 600
OD	1/8" to 1/2"
Length	3/8" to 60"
End Finish	Plain / Flared



CUSTOM CLOSED END TUBES ARE AVAILABLE ON REQUEST
CLOSED END TUBES IN OTHER MATERIALS ARE ALSO AVAILABLE

MEAT PROBES

We offer a variety of Meat Probe housings that are used with thermometers for measuring the internal temperature of meat and to test the roasts, steaks and other cooked foods. The Meat Probes are made to the custom sizes and specifications of our customers.



Material	304SS / 316SS / Inconel 600
OD	1/8" to 1/2"
Length	3/8" to 60"
Mounting Type	Threaded / Non-Threaded with Handle / without Handle

WELD PADS

We offer weld pads for a range of applications. The weld pad termination allows a temperature sensor to be welded directly onto piping or other metal surfaces to measure the surface temperature, and indirectly the process temperature inside the pipe.

Material	304SS / 316SS
Size	1" x 1" x 0.125" Thick
Probe OD	1/8", 3/16" & 1/4"

WELD PADS IN OTHER MATERIALS ARE AVAILABLE ON REQUEST



PROBE HOUSINGS

We manufacture a range of housings and assemblies for Thermistors and Thermocouples. They are used for sensing temperature in a variety of industries ranging from HVAC/R and environmental controls to automotive and white goods.

We manufacture probe housings in a variety of thread combinations and in a lot of different materials, metals as well as polymers.

- Barstock Probe Housings
- Fabricated Probe Housings
- Flanged Probe Housings
- Micro Probe Housings
- Plastic Probe Housings

WIRE CLAMP BRACKETS

A Wire Clamp Bracket is used to assemble thermocouples and wires to standard connectors for optimum strain relief. The Construction allows a large difference in maximum and minimum wire diameter and can be used for a wide range of applications.

- We offer Wire Clamp Brackets for Standard Connectors as well as Miniature Characters.
- The brackets are made out of stainless steel and are supplied with stainless steel screws.

Part No.	Description
AT-WCB-STD	Wire Clamp Bracket for Standard Connector
AT-WCB-MINI	Wire Clamp Bracket for Miniature Connector



CRIMP INSERTS

Crimp inserts can be fitted in the entrance hole of the connector. Designed for soldering or crimping on mineral insulated cable or crimping on insulated wire. Our crimp inserts are made from high quality Brass material conforming to international standards.

- We offer Crimp Inserts for Standard Connectors as well as Miniature Connectors.
- The Crimp Inserts are machined from Brass with 0.1 mm tolerance on the cable OD.

Part No.	Size	Probe OD
AT-BC-062	Standard	1/16"
AT-BC-125	Standard	1/8"
AT-BC-188	Standard	3/16"
AT-BC-250	Standard	1/4"
AT-MBC-062	Miniature	1/16"
AT-MBC-125	Miniature	1/8"

CRIMP INSERTS IN STAINLESS STEEL ARE ALSO AVAILABLE ON REQUEST

COMPRESSION TUBE ADAPTORS

A Compression Tube Adaptor can be used to mount the connector on mineral insulated cable or a tube type thermocouple. They can be used several times if not overtightened. They consist of a stainless steel compression fitting with a brass ferrule coupled with a stainless steel bracket.

- We offer compression tube adaptors for Standard Connectors.
- The adaptors are supplied with stainless steel screws.

Part No.	Probe OD
AT-CTA-15	1.5 mm
AT-CTA-16	1/16"
AT-CTA-20	2.0 mm
AT-CTA-32	3.2 mm / 1/8"
AT-CTA-45	4.5 mm
AT-CTA-48	3/16"
AT-CTA-60	6.0 mm
AT-CTA-64	6.4 mm / 1/4"
AT-CTA-80	8.0 mm
AT-CTA-95	3/8"



NEEDLE VALVES

Our Needle Valves are manufactured for use in hazardous and corrosive environments . These valves are used in process control, instrumentation and flow control applications.

Material	SS316/SS304/CS/BRASS
Size	1/8" to 2"
End Connection	BSP/BSPT/NPT/UNF/NF/NPSM/SW
Working Pressure	15,000 psi
Design	2 way / 3 Way / Block & Bleed Type



MANIFOLD VALVES

Our Range of valve manifolds offer a safe and economical method of installation to control, measure, isolate, equalize, calibrate , drain, vent or differentiate the pressure of liquids and gases.

Material	SS316/SS304/CS
No. of Valves	2 / 3 / 5
End Connection	NPT/BSP/BSPT
Working Pressure	Upto 6000 psi
Configuration Mounting	Block Type - Pipe to Pipe 'T' Type - Pipe to Flange 'H' Type - Flange to Flange

GAUGE COCKS

The range of Gauge Cocks offered by us is used to isolate the pressure gauge from the pressure media to enable inspection of the same where the pressure is continuously pulsating in pressure applications till 30Kg/cm².

Material	SS316/SS304/CS/Brass
Size	1/8" to 1/2"
End Connection	BSP/BSPT/NPT/UNF/NF/NPSM
Design	2 way / 3 Way / with & without vent



PRESSURE GAUGE SNUBBERS

Our Snubbers can be used to suppress the effects of various pressure pulses and help to increase the service life of pressure gauges. We manufacture porous as well as adjustable types of Snubbers.

Material	SS316/SS304/BRASS
Size	1/8" to 3/4"
End Connection	NPT/BSP/BSPT
Design	Porous / Adjustable Snubbers
Type of Mesh	For Air & Gases / Water & Light Liquids / Heavy Liquids



PRESSURE GAUGE SIPHONS

Our Pressure Gauge Siphons are used to protect gauges against any pulsation of the medium. They also isolate the pressure instruments from high temperatures.

Material	SS316/SS304/CS
Design	Pipe Type / Bar Stock Type
Pipe Size	1/2" to 5/8" OD, 1/2" Schedule 40 to 80
End Connection	NPT/BSP/BSPT
Configuration	Pigtail / 'Q' Type / 'U' Type / 'L' Type



AIR HEADERS

We are offering a range of Air Headers used to replace several units of valve assemblies. The inlet connection can be flanged or screwed. Our air headers are supplied with a bracket and U clamp for wall mounting.

Material	SS316/SS304/CS
Size	1-1/2" / 2" NB- Schedule 40/ Schedule 80
Inlet	1"-150# RF Flange (ANSI B16.5)/ 1" NPT (M)
Distribution Ports	1/4" , 1/2"
No. of Ports	6/8/10/12/16
Outlet	1/4" NPT/BSP (M)/(F) / 1/2" NPT/BSP (M)/(F)



GAUGE SAVERS

Our gauge savers or over-pressure protectors are used to protect gauges against any damage that may be caused when the line pressure exceeds the maximum pressure rating.

Material	SS316/SS304
Range	0.6 to 1.6 Kg/cm ² / 2.0 to 280 Kg/cm ²
End Connection	NPT/BSP/BSPT/UNF



CONDENSATE POTS

Our condensate pots are widely used as barrier between the main line and the instruments in the measurement of steam. They are used to catch the condensate and prevent foreign material from damaging the instrument.

Material	SS316/SS304/CS/ P22
Size	2"- 6" Schedule 40/Schedule 80/Schedule 160
End Connection	NPT/BSP/BSPT/SW
Configuration	Plain End / Dish End

FLUSH / BLEED RINGS

They are designed to fit between standard flanges within the bot circle and are used alongwith conventional gaskets. It is infact a simple spacer which allows for drainage.

Material	SS316 / SS316L / SS304 / SS304L / A105 / Hastelloy / Inconel etc.
Size	½" TO 3"
Rating	150 lbs to 2500 lbs
Facing	Plain / RTJ



ORIFICE PLATES & ASSEMBLIES

They are used as primary elements for various flow measurement applications in pipelines. We can supply them with or without flanges.

Material	SS316/SS304/CS (Flanges)
Size	½" TO 3" NB

SHEET METAL COMPONENTS

We provide our clients with a range of sheet metal components and stamped parts ranging from simple to typical. We can offer them in a variety of materials and in many different finishes like Zinc-Plated, Nickel-Plated, Electropolished, Anodized or Powder Coated.



INVESTMENT CASTING COMPONENTS

We can also cater to our customers' special requirements which involve manufacturing components in complex & intricate shapes. We use the Investment Casting process for such parts to produce precise components while minimizing material waste, energy, and subsequent machining.

We can offer investment casting components in Brass as well as Stainless Steel.

INDUSTRY-SPECIFIC SERVICE SEGMENTS

Our existing capabilities help us service the following industries:

INSTRUMENTATION INDUSTRY

Our core capability is that we can manufacture the exhaustive range of Instrumentation Accessories / Fittings in various types of materials. We can cater to the needs of the Instrumentation sector in many ways:

- Supplying to Original Equipment Manufacturers (OEM's) Supplying to Consultants
- Supplying to Traders / Stockists
- Supplying to End-users

AUTOMOTIVE INDUSTRY

We can service such customers based on our capability to manufacture Precision components on CNC Machines.

ENGINEERING INDUSTRY

This would include all such industries who manufacture Engineering Goods / Systems and who buy components & assemblies that are manufactured through one or more of the following techniques / operations

- Machining
- Forging
- Sheet Metal Working
- Welding
- Casting

ELECTRONICS INDUSTRY

We can supply turned and fabricated components to such industries. We can also supply sheet metal components.

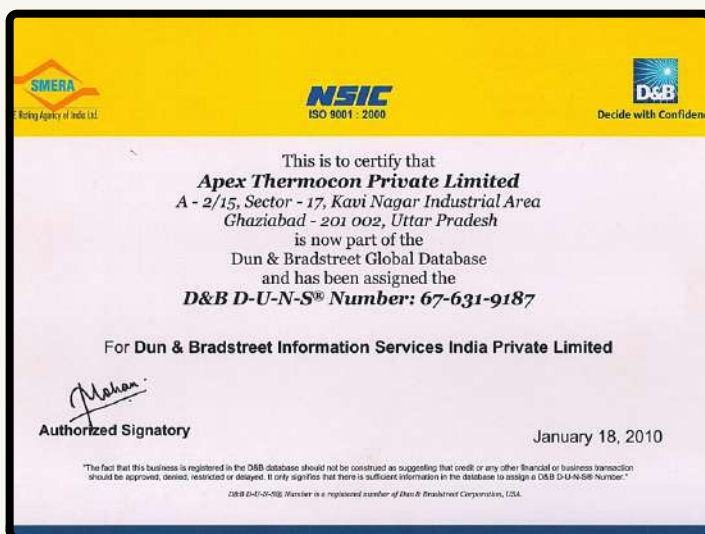




EXISTING CUSTOMER LOCATIONS

REGISTRATIONS & CERTIFICATIONS

- ISO 9001:2015 from UKAS Management Systems, UK for 'Manufacture and Export of Instrumentation Control Accessories and Machinery Parts'. Certificate No.: 40553/B/0001/UK/En
- ISO 9001:2015 from NABCB, India (National Accreditation Body) for 'Manufacture and Export of Instrumentation Control Accessories and Machinery Parts'. Certificate No.: 40553/A/0001/NB/En
- D&B D-U-N-S Number from Dun & Bradstreet Information Services, India. D-U-N-S No.: 67-631-9187
- We have the CRN Registration for our Standard Thermowells in Canada since 2015.
- We are registered with the Export Promotion Council in India and also have the REX registration in place. This helps us pass on the benefits (of various trade agreements India has with other countries) to our customers.



OFFICE & WORKS

APEX THERMOCON PVT. LTD.

Mobile : +91-9810127235 | Phone : +91-120-4167561

Email : sales@apexthermocon.com

Website : www.apexthermocon.com

Unit I

A-2/15, Sector - 17,
Kavi Nagar Industrial Area
Ghaziabad, Uttar Pradesh 201002, India

Unit II

A-1/247-248, Sector - 17
Kavi Nagar Industrial Area
Ghaziabad, Uttar Pradesh 201002, India

