



ARIATECH
PRECISION PVT. LTD.



Access Valves & Brass Fittings
Solutions for HVAC&R Applications



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ABOUT US

At Ariatech, we take pride in being a leading manufacturer of Precision Metal Parts. Dedicated to delivering high-quality products and exceptional service to our valued customers. With years of experience in the industry, we have established ourselves as a reliable source for all your precision parts needs.

We manufacture all types of Precision Metal Parts, focusing on those used in the automotive, HVAC&R, medical industries, aerospace, and defence.

We are in Business of Manufacturing since 2000.

- ISO 9001: 2015 from TUV-SUD.
- Export Business – 80%.
- No. of Employees – 50+



VISION

Our only goal is to satisfy our customers. We are committed to producing and supplying while keeping in mind the wants and needs of our customers. Our team's diligent efforts were essential in achieving the same. We make sure that our customers receive the calibre of service for which they have selected us.



MISSION

Our goal is to consistently provide our customers with excellence. We have served our prestigious clientele as prime suppliers for more than ten years. Every time, we try to make progress towards growth.



CORE VALUES

Our commitment to quality and timely delivery is required by our core beliefs. We are obligated to provide our customers with effective costing, which helps them achieve their goals.

MATERIALS WE DEAL IN



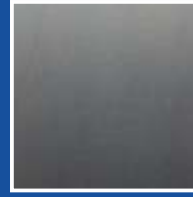
Brass



Copper



Stainless Steel



Carbon Steel



Aluminium



AVAILABLE SURFACE TREATMENTS

- Natural
- Nickel
- Chrome
- Gold
- Silver
- Passivations.

QUALITY

We have maintained a quality check at every stage of the manufacturing process due to our high vision and even higher quality standards. Starting with the procurement of standard raw materials and inspection of their mechanical, physical, and chemical properties, followed by in-process quality checks, random inspections, and physical and dimensional assessments of finished goods, all carried out by a particularly designated team focused on quality



OUR OFFERINGS FOR HVAC&R INDUSTRY

Leveraging our more than two decades of experience in producing precision metal parts, today Ariatech has created a niche for itself in the HVAC&R industry with its high quality products at the most competitive prices.



ACCESS VALVES

Allows you to create a charge point or bleeding on refrigeration and air conditioning systems; the use of a cap with a gasket prevents any possible loss of coolant when it's finished charging or bleeding.

All charging connections and related mechanisms are designed to be installed on commercial refrigerating systems and on civil and industrial air conditioning using the following refrigerants:

R22, R134A, R404A, R407C, R401A, R507.

All connections are made from brass bar CW-614N, while the mechanism is made with PTFE gaskets which allow use with all refrigerants listed above.

The charging valves may be provided with single or brazed copper tubes, the length of which depends on the need and use.



Part Number	Tube Size (mm)	Thread Size	Refrigerant*	Static Pressure (MPa)	Temperature Range (°C)
AT/HVAC/001/F	Ø6	7/16-20 UNF	R22, R134A, R404A, R407C, R401A, R507	Upto 6	-20 to 120
AT/HVAC/001/K	Ø6	7/16-20 UNF			
AT/HVAC/002/F	Ø6.35 (1/4")	7/16-20 UNF			
AT/HVAC/002/K	Ø6.35 (1/4")	7/16-20 UNF			
AT/HVAC/003/K	Ø4.76 (3/16")	7/16-20 UNF			
AT/HVAC/001/F/Cu50	Ø6x0.7 THKx50	7/16-20 UNF			
AT/HVAC/001/F/Cu100	Ø6x0.7 THKx100	7/16-20 UNF			

F – Flat cap

K – Cap with key

Other combinations are also available as per customer requirements; please reach out to us for a suitable solution as per your need.

BRASS FITTINGS FOR HVAC&R

We offer a wide range of brass fittings which can be installed on various commercial refrigeration systems and civil and industrial air conditioning. This includes forged flare nuts, tee, union, elbow etc.



Part Number	SAE Flare	Copper Pipe Diameter (in)	Material	A/F Hex (mm)	Weight (gms)
AT/HVAC/004	1/4"	1/4"	CW 617N	16.8	18.3
AT/HVAC/005	3/8"	3/8"		21.8	34
AT/HVAC/006	1/2"	1/2"		24.8	42.9
AT/HVAC/006	5/8"	5/8"		27.8	52.2

90° Elbow Union Flare -Flare

Part Number	Flare Size
AT/HVAC/EU14	1/4"
AT/HVAC/EU38	3/8"
AT/HVAC/EU12	1/2"
AT/HVAC/EU58	5/8"
AT/HVAC/EU34	3/4"



Refrigerant Drum Adaptor

Part Number	Flare Size	Thread (NPTF)	Hex Size
AT/HVAC/DA14	1/4"	3/4"	1-1/4"
AT/HVAC/DA38	3/8"	3/4"	1-1/4"
AT/HVAC/DA12	1/2"	3/4"	1-1/4"
AT/HVAC/DA34	3/4"	1/2"	1-1/8"



Long Forged Nut

Part Number	Flare Size	Hex Size
AT/HVAC/LN14	1/4"	1-1/4"
AT/HVAC/ILN38	3/8"	1-1/4"
AT/HVAC/ILN12	1/2"	1-1/4"
AT/HVAC/LN34	3/4"	1-1/8"



Reducing Nut

Part Number	Flare Size	Tube Size	Hex Size
AT/HVAC/RN14	1/4"	3/16"	5/8"
AT/HVAC/RN12	1/2"	3/8"	15/16"
AT/HVAC/RN38	3/8"	1/4"	13/16"
AT/HVAC/RN58	5/8"	1/2"	1-1/16"



Three Way Tee

Part Number	Flare Size
AT/HVAC/TWT14	1/4"
AT/HVAC/TWT38	3/8"
AT/HVAC/TWT12	1/2"
AT/HVAC/TWT58	5/8"



NPTF Union Connector

Part Number	Flare Size	Hex Size	Internal Thread (NPTF)
AT/HVAC/NU14	1/4"	9/16"	1/8"
AT/HVAC/NU38	3/8"	11/16"	1/4"
AT/HVAC/NU12	1/2"	13/16"	3/8"
AT/HVAC/NU58	5/8"	1"	1/2"



Flare Nut Cap

Part Number	Flare Size	Hex Size
AT/HVAC/FNC14	1/4"	9/16"
AT/HVAC/FNC16	5/16"	5/8"
AT/HVAC/FNC38	3/8"	3/4"
AT/HVAC/FNC12	1/2"	7/8"
AT/HVAC/FNC58	5/8"	1-1/16"
AT/HVAC/FNC34	3/4"	1-5/16"



Half Union Connector

Part Number	Flare Size	Thread (NPTF)	Hex Size
AT/HVAC/HUC14	1/4"	1/8"	7/16"
AT/HVAC/HUC316	3/16"	1/8"	7/16"



Union Connector

Part Number	Flare Size	Hex Size
AT/HVAC/UC14	1/4"	7/16"
AT/HVAC/UC38	3/8"	5/8"
AT/HVAC/UC12	1/2"	3/4"
AT/HVAC/UC58	5/8"	7/8"



IFEF Connector

Part Number	Flare Size	Tube Size	Hex Size
AT/HVAC/IE14	1/4"	3/16" or 3/8"	5/8"
AT/HVAC/IE38	3/8"	1/4" or 1/2"	13/16"
AT/HVAC/IE12	1/2"	1/4" or 3/8"	1-1/16"
AT/HVAC/IE58	5/8"	1/2" or 3/4"	15/16"



IF Connector

Part Number	Flare Size	Hex Size
AT/HVAC/IFC14	1/4"	5/8"
AT/HVAC/IFC38	3/8"	13/16"
AT/HVAC/IFC12	1/2"	1/2"



EFS Connector

Part Number	Flare Size	Tube Size	Hex Size
AT/HVAC/EF14	1/4"	1/4"	7/16"
AT/HVAC/EF38	3/8"	3/8"	3/4"
AT/HVAC/EF12	1/2"	1/2"	14/16"
AT/HVAC/EF58	5/8"	5/8"	1"



OTHER PRODUCTS WE DEAL IN

Brass Inserts





ARIATECH

BRASS FITTINGS



SWISS TURNED PARTS



GENERAL FITTINGS



*Always fight for
Quality,
Whether Giving or Receiving*



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