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We are one of the leading manufacturers in the field of "House Service Connections". We manufacture every product & service with the vision of providing innovative products of best quality at optimum cost for our customers. We take a pride in staying ahead in the field with a clear mission of "Customer Satisfaction". Within a span of 8 years we have built up the manufacturing and development capacity & infrastructure for entire range of components for "House Service Connections". It was a challenging task to develop the whole product range including sophisticated product like electro-fusion fittings. Starting from scratch, this could have been only possible by building of capable team, their relentless efforts, a valuable guidance and support from our customers. Partnering with customers for problem solving and solution implementation, customized services, innovations, quality & on time delivery are our key success factors and we strive to maintain & improve on the same. Now we have a presence in more than 20 states in India and approvals from the major government authorities.

Vision

We are committed to grow to be the leader of the market by developing the most efficient products, team of employees & suppliers, to achieve Customer Satisfaction through innovative product range with a noble cause of water conservation.

Mission

Relentlessly drive the efforts to provide low cost innovative and indigenous products of superior quality on time and every time.

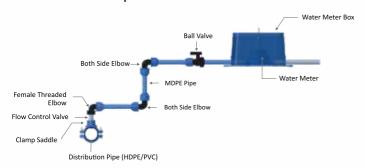
Guiding Principals

- I) Honesty & transparency in the business transactions
- 2) Agility in every transaction with suppliers as well as internal & external customers
- 3) Try to achieve innovation and be the first in every thing we do
- 4) Healthy environment by creating respectful transactions for suppliers, customers & employees
- 5) Reduce waste and provide real value

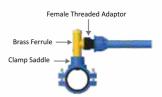


Common HSC Layouts used In India

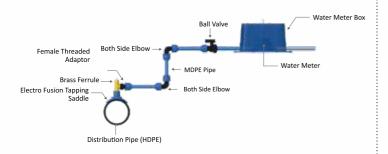
▲ LAYOUT 1 -Clamp Saddle



Optional Layouts

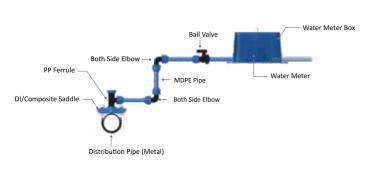


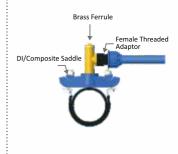
▲ LAYOUT 2 - Electro Fusion Tapping Saddle



Male Threaded Elbow Electro Fusion Tapping Saddle

▲ LAYOUT 3 - Strap Saddle (DI & Composite)





The individual components mentioned in above layouts can be used in different combinations as per the site conditions.

AIVA DI Strap Saddle

- Indigenous sturdy design tested for 16 kg/cm² of water pressure.
- Suitable for DI/CI/HDPE pipe.
- Suitable for pipe diameters from 80mm to 600mm.
- No skilled labour required for installation; saving cost and valuable time.
- Sturdy and durable material for main body, strap, rubber seal etc.
- Outlet sizes from ½" to 3".
- Overall product design saves inventory carrying & installation cost.

Features	Parts	Specifications
мос	Main Body	Ductile Iron with self female threading
	Strap	SS 304 with rubber sleeve
	Seal	EPDM/Nitrile
	Other hardware	SS 304
Sizes	Outlet sizes	½" up to 3"
	Suitable for pipe dia.	80 to 600 mm
Coatings		Powder Coating/EPOXY
Pressure rating		16 kg/cm²
Colour		Blue





AIVAComposite Strap Saddle

- Indigenous sturdy design tested for 16 kg/cm² of water pressure.
- ♦ Suitable for DI/CI/HDPE pipe.
- Suitable for pipe diameters from 80mm to 250mm.
- No skilled labour required for installation; saving cost and valuable time
- Sturdy and durable material for main body, strap, rubber seal etc
- ♦ Outlet sizes from ½" to 1".
- Overall product design saves inventory carrying & installation cost
- BS 6920 WRAS Certified: Suitability of non- metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water.

Features	Parts	Specifications
мос	Main Body	Composite material (HDPE embedded with SS 304 plate for reinforcement
	Strap	SS 304 with rubber sleeve
	Threading	SS 304/ Brass
	Seal	EPDM/Nitrile
	Other hardware	SS 304
Sizes	Outlet sizes	½", ¾" & 1"
	Suitable for pipe dia.	80 to 250 mm
Pressure rating		16 kg/cm²
Colour		Blue

Migration test as per IS standards-IS 9833:1997 with reference to IS 10910:2003 for Raw material Polypropylene
and its co-polymer is safe to use in contact with foodstuff, pharmaceuticals and drinking water. Tested and
certified by international certifying agencies (NABL Accredited).







Electro-Fusion Tapping Saddle

- Sturdy design
- Available from 63mm to 225mm pipe diameter
- Easy to install
- ▲ Totally indigenous design and manufacturing process.
- Suitable for PN 12.5 rating standard.
- Leak-proof; thus ensuring durability.
- ◆ PE Pipe compatibility as per ISO: 4427
- BS 6920 WRAS Certified: Suitability of non- metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water.

Features	Parts	Specifications
мос	Main Body	HDPE (PE 80/PE-100)
	Threading	SS304/Brass female insert
	Terminal Pins	Brass
Sizes	Outlet	½", ¾", 1"
	Suitable for Pipe dia	63 mm to 225 mm
Colour	Blue/Black	

- Complies with BS EN 12201-3:2003 and IS 15927 (part 3): 2011 standards for endurance, durability, product performance and pressure testing.
- Migration test as per IS standards-IS 9833:2014, IS 9845:1998 with reference to IS 10910 & BS 6920 for Raw material Polypropylene and its co-polymer is safe to use in contact with foodstuff, pharmaceuticals and drinking water.
 Tested and certified by international certifying agencies (NABL Accredited).







AIVAClamp Saddles

- Indigenous sturdy design tested for 16 kg/cm² of water pressure.
- Suitable for HDPE/PVC/DI/CI pipe.
- Suitable for pipe diameters from 63mm to 160mm.
- Sturdy, durable material for building main body, Seal etc
- No skilled labour required for installation.
- ♦ Outlet sizes from ½" to 1".
- Overall product design saves inventory carrying & installation cost
- Comply with AS/NZS 4129:2008 for endurance, durability, product performance and pressure testing
- BS 6920 WRAS Certified: Suitability of non- metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water.

Features	Parts	Specifications
мос	Main Body	Composite material (Polypropylene)
	Threading	SS 304 / Brass
	Seal	EPDM / Nitrile
	Other hardware	SS 304 / Galvanized MS
Sizes	Outlet	½",¾" & 1"
	Suitable for pipe dia.	63mm to 160 mm
Pressure rating		16 kg/cm²
Colour	Blue/ Black	

 Migration test as per IS standards- IS 9833:2014, IS 9845:1998 with reference to IS 10910 for Raw material Polypropylene and its co-polymer is safe to use in contact with foodstuff, pharmaceuticals and drinking water. Tested and certified by international certifying agencies (NABL Accredited).







AIVAPP Ferrule

- Unique AIVA design combination of conventional ferrule & Female threaded adaptor (FTA)
- Built in compression fitting at outlet helps to eliminate one joint of separate FTA.
- ◆ Two unique options at outlet-compression end or female thread-make it suitable for any threaded piping including GI/PVC pipes too.
- Double jacketed body to withstand high line pressures
- ♦ Less number of joints ensures the leak proof life
- Unique sealing arrangement to avoid unauthorized fiddling of pressure/flow settings
- Made up of pigmented polymer, industrial plastic and other material such as delrin /
 NBR & metal threaded inserts (Ss 304/Brass)- suitable for potable water
- Available in plastic threading also
- PN 16 rated in confirmation to ISO:17885:2015 and tested as per ISO: 3459, ISO:3501, ISO: 3503 Certified by International Certifying Agencies for endurance, durability, product performance and pressure.
- BS 6920 WRAS Certified: Suitability of non- metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water.

Features	Parts	Specifications
мос	Main Body	Industrial PP
	Inner Jacket	Delrin
	Threading	SS 304/Brass/Industrial Plastic
Sizes	Suitable for pipe dia.	½" (15mm)
Pressure rating		16 kg/cm²
Colour		Blue/Black

Migration test as per IS standards- IS 9833:1997 with reference to IS 10910:2003 for Raw material Polypropylene
and its co-polymer is safe to use in contact with foodstuff, pharmaceuticals and drinking water. Tested and
certified by international certifying agencies (NABL Accredited).







AIVABrass Ferrule

- ♦ Body made up of brass of IS:319/I.
- Manufactured by forging method ensuring sturdier design than conventional brass ferrule.
- Inlet threading in BSPT and outlet threading in BSP.
- Body contains flow control screw made up of brass to regulate the output flow.
- Top cap with plastic washer to protect flow control screw, cap is also made up brass.
- Washer provides a leak prof sealing.
- Ferrule withstands a pressure up to 16bar as per IS 2692:1989
- ♦ Marking on body Company logo, Fitting size & PN16.

Features	Parts	Specifications
мос	Main Body	Brass Forged
	Flow adjusting screw	Brass
Sizes	inlet & Oulet	½", ¾",1", 1 ¼", 1 ½" and 2" (BSP)
Pressure rating		16 kg/cm2







Flow Control Valve

- Designs available in 5 LPM @0.5bar pressure, 10LPM and 15LPM.
- Made from SS Extrusions (Machined) and not from castings, hence reducing the chances of manufacturing defects like blow holes and shrinkage.
- Can be manufactured from SS 316/SS 304/SS 202 based on project technical specification
- CNC machined for better dimensional accuracy resulting in precise output flow
- Fully automatic working, hence no manual flow adjustment required.
 Output flow has a saturation limit; hence water loss due to installation of suction pumps is prevented.
- Single body design prevents unnecessary fiddling and reduces water
- losses as in case of conventional brass ferrule.
- In built NRV (Non return valve) hence only unidirectional flow allowed.
- FCV is designed to withstand high line pressures.
- Zero maintenance.
- Factory calibrated design hence, once installed immediately ready to use.
 FCRI Tested for output flow calibration for given line pressure.

Features	Parts	Specifications
мос	Main Body	SS 316/SS 304/SS 202
Sizes	Outlet	½" (15 mm), ¾" (20 mm) & 1" (25 mm)"
LPM		5, 10 & 15 LPM (Customization possible)
Variants	Inlet - Outlet	Male - Male, Male - Female, Female - Female







Compression Fittings

- Straight connections: Female threaded Adaptor, Male
 Threaded Adaptor, Double Compression Adaptor
- Elbow connections: Female threaded Elbow, Male Threaded Elbow,
 Double Compression Elbow
- Easy & Quick to install made up of pigmented polymers.
- Suitable for House Service Connections, irrigation and other application.
- For Male & Female models- use metal threading inserts (SS 304/Brass).
- Available in plastic threading also
- PN 16 rated in confirmation to ISO:17885:2015 and tested as per
 ISO: 3459, ISO:3501, ISO: 3503 Certified by International Certifying Agencies for endurance, durability, product performance and pressure testing
- BS 6920 WRAS Certified: Suitability of non- metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water.

Features	Parts	Specifications
мос	Main Body	Industrial PP
Inner Jacket	Insert	SS 304/Brass, Plastic
Sizes	Suitable for pipe dia.	½" (20 mm) to 1" (32 mm) & ¾" (25mm)
Pressure rating		16 kg/cm²
Colour		Blue/Black

Migration test as per IS standards- IS 9833:1997 with reference to IS 10910:2003 for Raw material Polypropylene
and its co-polymer is safe to use in contact with foodstuff, pharmaceuticals and drinking water. Tested and certified
by international certifying agencies (NABL Accredited).







AIVAUPVC Ball Valve



- PVC Ball Valves are excellent options when a durable and heavy-duty valve is required.
- They are fully serviceable with every part removable and replaceable including the handle, O-rings, seats, and inner ball.
- Body and nut are made of PVC with its sturdy design holds the pipe fitting assembly intact with continuous working pressure up to 16 bars.
- Compatible with MDPE, HDPE at the inlet and PVC, Metal threaded pipes at the outlet.
- Can be installed without disassembling the ball valve.
- ♦ They come in black body to prevent passing of sunlight in water stream and preventing growth of algae.
- Our PVC Single Union Ball Valve has a thick durable body, extra strong valve stem,
- NBR O-rings, and an ergonomic design that ensures a beautiful installation with the industry's leading parts at a fraction of the cost.
- ♦ Ease of traceability Company Logo (AIVA), Size (1/2"), PVC & PN16
- ♦ Ball Valve complies with ISO 1452-Part 4
- BS 6920 WRAS Certified: Suitability of non- metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water.

Features	Parts	Specifications
мос	Main Body/Lid	Polyvinyl Chloride (PVC).
	Seal (O-Ring)	Nitrile butadiene rubber (NBR).
Sizes	Suitable for Pipe dia.	½"(15mm), ¾"(20mm), 1" (25mm)
Pressure rating		16kg/cm²
ISO Standard		ISO 1452-Part 4







AIVA EF Couplers

- Electro fusion couplers are used to connect two long HDPE pipes,
 repairing leakage joints and for connecting TEE joints with HDPE pipe.
- Manufactured using HDPE 100, same material as of pipes to ensure uniform bonding, resulting in homogenous joint.
- ♦ Manufactured in black colour suitable for SDR11 standard.
- Its strength is comparable to buttfusion joints.
- ♠ Couplers are designed with large insertion depths.
- Wide fusion zones with cold zones at the middle and end to avoid outward flow of molten plastic.
- **♦** Can be easily installed without using any holding devices.
- ♠ Compatible with all standard fusion machines.
- ♦ Sizes available from 25mm to 160mm
- ♦ Couplers comply with BS EN 12201.
- BS 6920 WRAS Certified: Suitability of non- metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water.

Features	Parts	Specifications
мос	Main Body	HDPE 80/HDPE 100.
	Terminal Pins	Brass
Sizes	Suitable For pipe dia	20mm to 160mm
Pressure rating		16 kg/cm2
Colour		Black/Yellow







AIVAAir Release Valve

- ♦ The function of the Air Release Valve is to release air pockets that are formed at each high point of a full pressured pipeline.
- Air Release Valves are essential for pipeline durability & flow efficiency and water hammer protection.
- Trapped air in the pipeline causes the water meter turbine to rotate, resulting in faulty meter readings. This error is prevented in case of air release valve.
- Product designed to allow passage of air and prevents leakage of water from the top.
- Engineering plastic is used for durability.
- ◆ Easy to install and maintain No need of masonry work.
- Made from WRAS approved material and food grade plastic ensuring safe for human consumption.
- BS 6920 WRAS Certified: Suitability of non- metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water.

Features	Parts	Specifications
мос	Main Body, Ball and Cap	Industrial Polypropylene
Sizes		½", ¾", 1"
Colour		Blue/Black
Pressure Rating		16kg/cm²





AIVA Water Meter Box

- Available in 3 different sizes can accommodate AMR unit.
- Made of Industrial PP with UV resistant high impact pigmented fibre polymer.
- ♦ Long lasting-tested to bear pedestrian load
- Unique features- Lock and sealing arrangement, flaps to avoid reptile, mud entry, pipe gripper, no metallic part -except SS (304) spring- for weather proof life
- Suitable for pipe & water meter from 15 to 40 mm.
- Easy to install- No need of masonry work and saves on cost and time.
- Suitable to mount-Both on (under/over) ground or on wall and hence can be used for vertical as well as horizontal water meters.
- ♠ Removable lid to facilitate easy maintenance.
- Unique features of sealing-locking and gripping arrangements to avoid unauthorized fiddling with water meter.

Features	Parts	Specifications
мос	Main Body/lid	Industrial PP with UV resistant high impact pigmented fibre polymer.
	Spring	SS 304
Sizes	А	App: 280 mm L x 227 mm W x 175 mm H
	В	App: 396 mm L x 190 mm W x 160 mm H
	С	App: 510 mm L x 260 mm W x 255 mm H
Dead Load testing		100 kg
Colour		Blue/Black







Transparent Meter Box

- Industrial Polypropylene and Polycarbonate with UV resistant high impact pigmented fibre polymer.
- Reading of Meter easily without opening of the cover.
- Self-locking of cover for easy maintenance.
- Easy Installation, durable life span, Smooth finish, moisture proof, tear resistance.
- Arrangements provided, so that the box can be mounted on the wall as well as floor.
- Covered bottom side preventing dirt from entering from underneath the water meter.
- Cover is available in blue & black colour as a non transparent option.

Features	Parts	Specifications
мос	Main Body/Lid	Industrial PP with UV resistant high impact pigment fibre polymer.
Sizes	LxWxH	330mm x 197mm x 156mm
	Suitable For pipe dia	20mm, 25mm, 32mm
Colour	Body and Cover	Body is Blue / Black / Cover is Transparent.









Round Water Meter Box

- Industrial PP with UV resistant high impact pigment fibre polymer.
- Suitable for pipe and meter from 15mm to 40mm
- The overlapping cover prevents dirt and grass from settling between the body and cover.
- Round Water Meter box can be used in irrigation and gardening applications.
 It serves to protect u-PVC ball valves against severe weather and soil conditions,
- keep grass and dirt from settling on the valve or meter.
- Does not suffer degrading effects of sunlight.
- ♠ Easy to install does not require masonry work.
- Removable cover to facilitate ease of maintenance.
 Suitable to mount above ground surface and below ground surface.

Features	Parts	Specifications
мос	Main Body/Lid	Industrial PP with UV resistant high impact pigment fibre polymer
Sizes	Top ID x Bottom ID x Height	ø200mm x ø275mm x ø 265mm
	Suitable for pipe dia.	20mm, 25mm, 32mm
Dead Load testing		100kg
Colour	Body and Cover	Blue/Black/Green









AIVAValve Hood

- ♦ Industrial PP with UV resistant high impact
- Pigmented polymer.
- Protects ball valves.
- Rubber gaskets to firmly constrain the inlet and outlet pipes.
- ◆ Tamper proof design.
- No special tools required for installation.
- Easy to assemble.

Features	Parts	Specifications
мос	Main Body Flange, Knob, Spindle.	Polypropylene
	Bush	Nitrile butadiene rubber (NBR)
Sizes	Top ID x Bottom ID x Height	207mm x 97mm x 195mm
	Suitable For pipe dia	20mm, 25mm, 32mm
Colour		Black / Blue









Surface Chamber/Road Box

- Heavy duty cross section makes the surface chamber/box most sturdier
- ♦ Sufficient internal space for ease in access to valve
- ♦ Unique PP / DI cover with locking arrangement
- Suitable exterior surface to have a firm grip in concrete.
- BS 6920 WRAS Certified: Suitability of non- metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water.

Features	Parts	Specifications
мос	Main Body	Cast Iron or can be supplied in Ductile Iron
Sizes		Dia 210 x 200 mm ht but customized size- can be supplied if enough volumes
Colour		Lid is Blue/Black

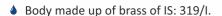








AIVABrass Ball Valve



- Manufactured by forging method ensuring sturdier design than conventional casting bodies.
- Inlet and outlet threading available in BSP type.
- Ease of operation because of quarter turn handle operation.
- ♦ Leak proof, Reliable, Long life.
- Ex stock availability.

Features	Parts	Specifications
мос	Handle	MS/SSBrass
	Main Body	Brass
	Ball	SS-304
	Stem	Brass
Sizes	Outlet	½", ¾", 1"
Pressure rating		16kg/cm²

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AIVABib Cock

- Elegant design which brings an easy single-point control of water flow to other water outlets.
- ♦ Bib cock are made from high quality brass IS:319/I.
- ♦ The bib cock provides a fantastic water flow to help give you a pleasant experience. It is stylish in look and powerful in performance.
- **♦** Easy to use, durable product.
- **♦** Easy to install in House Service Connections

Features	Parts	Specifications
мос	Main Body Flange, Knob, Spindle.	Brass
Sizes		½", ¾", & 1".
Pressure Rating		16kg/cm²
Colour		Natural Brass









AIVA Engineering Private Ltd is a manufacturing company in water service market, which is bringing best innovative products since the last several years. Apart from the business, AIVA also understands the importance of the Social Responsibility towards the most precious resources like water. To express its gratitude towards some individuals who have worked in the field of water purification, conservation or distribution, AIVA has joined hands with Maitri Pariwar, a renowned NGO in Nagpur.

- Once in 3 years, AIVA and Maitri Pariwar jointly declare following awards
- AIVA Entrepreneur Award
 Individual entrepreneur who has developed innovative gadget/technology for water purification, equitable water distribution or conservation
- AIVA Engineering Student Award
 A student from an engineering college who has presented the best research paper on his/her innovative ideas, concepts, designs on water purification, equitable water distribution or conservation
- ♠ AIVA Felicitation for a Social Cause Award An individual who has developed awareness through his/her work in tech society on water conservation and distribution or source strengthening

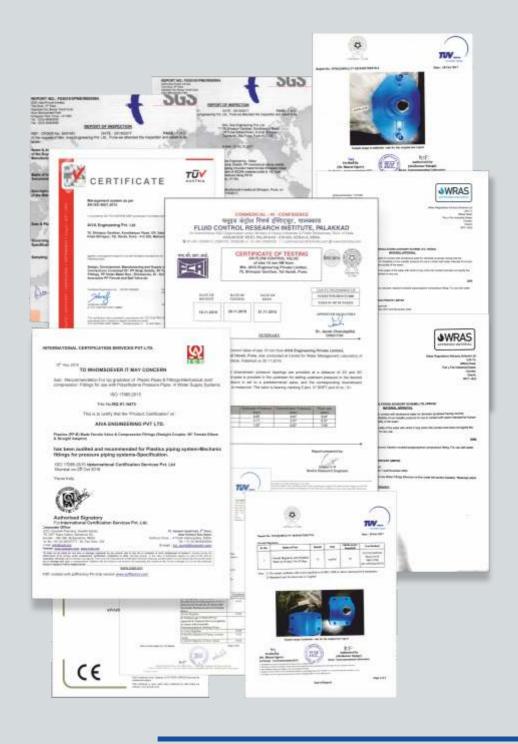
Here are few moments from the 'AIVA Bhagirath' Award ceremony













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