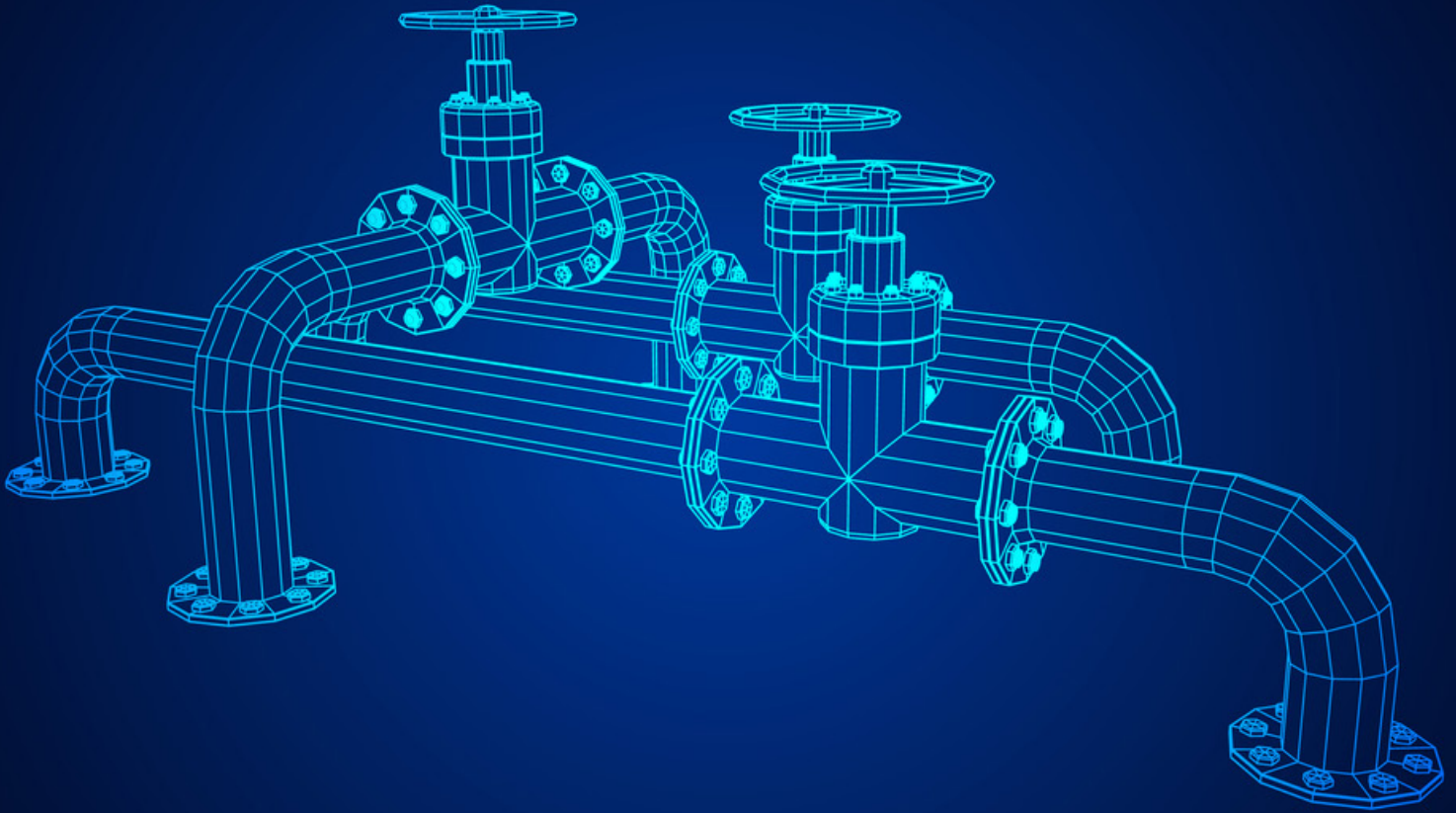


Delivering Innovative Solutions



Narmada
Flowtech

AN ISO 9001:2015 & ISO 14001:2015 CERTIFICATE COMPANY



Narmada Flowtech (Narmada Marketing) is one of the leading Exports, Installation specialist & Trading Company since 1992 this is having complete range of HDPE / PP / PPR-C / PPH / PVDF / PVC, CPVC & UPVC Pipe Fittings, Industrial Ball Valves and All Industrial products. Our range includes fittings for all sizes ranging from 20 mm to 630 mm and all pressure classes ranging from PN 2.5 to PN 20 KGs.

Our customers are Distributors, Leading Pipe Manufactures, Project consultants and engineering companies, pharmaceuticals / chemical companies etc. across India and abroad.

NARMADA FLOWTECH, upholding its motto of Pioneering, innovation, high quality and efficiency and its belief of "Delivering innovative solutions to make your dream into reality" will keep its efforts in the promotion of its products to the whole world.

- *We believe in efficiency and teamwork which will make us to expand.*
- *We believe in reliable quality and reasonable prices which will make us competitive.*
- *We believe in mutual benefit and customer satisfaction which will make us to stand in the lead of this trade.*
- *We cordially welcome both our old consumers and new consumers to contact us for further Co- operation.*

We can take care of delivering the products to your designated location. And we can ensure that it stays in good shape while your product is on the move.

Quality Focus

We at NARMADA FLOWTECH always follow the phrase,

"QUALITY IS MUCH MORE IMPORTANT THAN QUANTITY". Our process always ensures we deliver good quality of products to all our customers, no matter how big or small project is taken into consideration.

All our products go through different quality checks and we make sure to deliver best to you. Our prime focus is to satisfy the customer when they deal with us. In terms of getting best products and services out of their hard earned money they pay us.

Installation Service

Narmada Marketing is a prestigious name from Vadodara (Gujarat, India) that provides the best pipeline installation services across the nation. We hold over decades of experience in providing pipeline installation solutions in the industrial sector of India.

Equipped with different hi-tech equipment, technical know-how, qualified & skilled manpower, and on other hand, we are able to provide the best in class solution for piping installations. Our piping installation solutions comply with the industry standards and thus, are preferred by the engineering fraternity nationwide.

Objective

To carry on business and make it worldwide, we assure to give satisfaction and best product quality to our consumer at reasonable prices.

Clientele

We have outstanding coverage all over the world.

HDPE PIPE (High Density Polyethylene)

HDPE Pipes manufactured are as per IS 4984 : 1995 available size 20 mm to 1000 mm in all pressure class, manufacturing from material Grade PE=63, PE=80, PE=100.

HDPE Pipes are the best option in today's market due to its advantages over cast from G.I. Pipe, mild & Stainless still pipe because of its best properties line resistance to corrosion, durable, light weight & Flexibility etc.

Properties

- High impact strength, Hygienically Safe
- Easy to install and handle
- U.V Stabilized
- Excellent corrosion and chemical resistant.
- Inter to most ascetic and alkaline solutions
- Good Corrosion resistant
- Light Weight
- Besides having a plastic based component it's quite formidable like still & iron



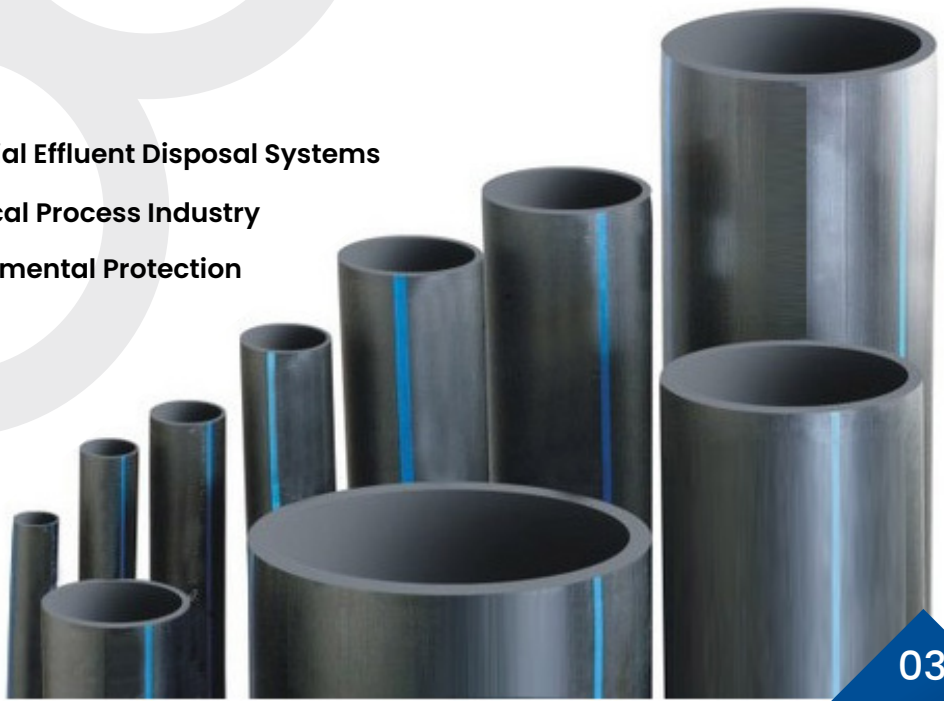
Applications

- ♦ Fertilizer
- ♦ Gas & Oil
- ♦ Transmission
- ♦ Agriculture



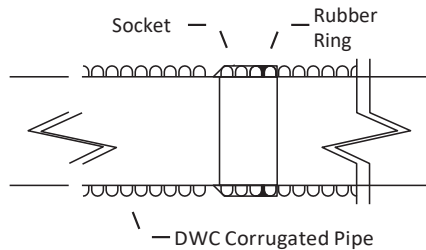
- ♦ Portable Water Supply
- ♦ Food & Dairy Plants
- ♦ Slurry Transportation

- ♦ Industrial Effluent Disposal Systems
- ♦ Chemical Process Industry
- ♦ Environmental Protection



Inline Socket Coupler

Keeping the limitations of the currently used coupling systems, we have developed an integral non-detachable coupler which provides an ideal alternative for a foolproof sewerage pipe connection with a much higher load bearing capacity which ensures that no deformation occurs during transportation and storage, and it results in a perfectly leak-proof joint. These couplers come with a load bearing strength of SN4, and are in the form of an integral part of pipe. In contrast to the existing systems, In-line sockets provide excellent jointing and leak-proof arrangement along with a high strength joint integrity.



The salient advantages of In-Line Coupler are

- Minimum load bearing capacity of 4 KN/m².
- Stiffness parameters conforming to IS-16098 Part II, when tested individually.
- Manufactured using state-of-the-art process.
- Multiple pipe length choice (apart from 6m length) available with socket.
- Separate sockets available on demand with customized length for on-site repairs and laying requirements.

Already Recommended / Approved / Incorporated in DSRs by

- Ministry of Urban Development / CPHEEO / AMRUT / Smart Cities
- Town & Country Planners, NHAI / IRC
- Major private Township Developers & Builders throughout the country
- Military Engineering Services (MES)
- All the states / Districts Urban Development Authorities, Municipal Corporation, Development Authorities, Drainage & Sewerage Boards, Smart Cities.



Pipes for Non-pressure underground drainage and sewerage application

DWC pipe is an innovative product aptly described as structured wall piping system of PE/PP with smooth internal and corrugated (profiled) external surface.

The corrugated (profiled) external surface of the pipes gives the product excellent ring stiffness (load bearing capacity). Unlike plain pipes, DWC pipes do not deform under vehicular traffic load. Furthermore, since these pipes are moderately flexible, they can be aligned comfortably even in gradually bending paths.

- **Standard Lengths:** In 6 mtr. Straight bars
Coils of 50/100/200 m (Up to 63 mm OD)
Inner Diameters (mm)
75, 100, 135, 150, 170, 200, 250, 300, 400, 500, 600, 800
- **Specifications:** As per IS-16098 Part II and ISO 21138 Part III (Stiffness Class – SN4, SN8 and SN16)
As per IS-16205 Part 24 (Supersedes IS-14930 Part II) & RDSO Specification.
- **Unique Features:** Rodent Repellency (on-demand) – To avoid rodent attacks
Standard Color: Outer Black, Inner Orange



Methods of Jointing

- Snap-Fit Coupler with Rubber Ring
- In-line Socket Molded Coupler
- Socket-Spigot Arrangement

Available Fittings

Various types of fabricated / moulded accessories are available on demand such as:

- Bends
- End Cap
- Reducers
- Couplers etc



Applications

- Sewerage and Drainage
- Collectors for Sub-Surface Drainage
- Culvert and Highway Drainage
- Effluent / Wastewater Transport Network
- Rainwater / Storm Water Collection Network
- Storm water Drainage Network
- Signaling Cable Management for Railways and Airports
- House Connections
- Solar Power Cable Protection
- Optical Fiber Cable Network
- Level Crossings, Platforms
- Home Signals
- CCTV

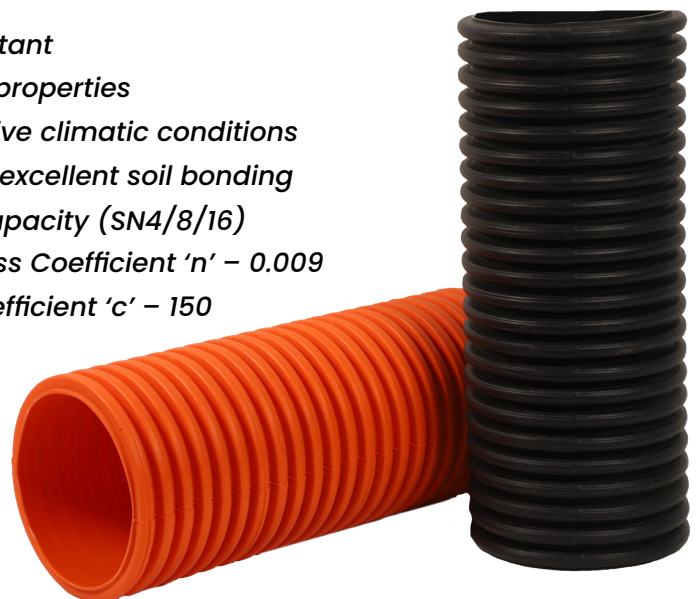
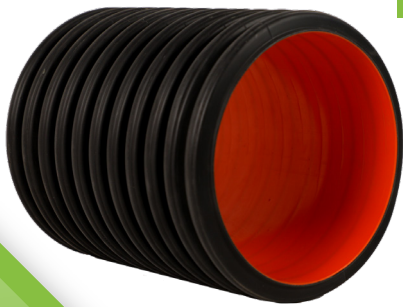
The inner wall, which is fused with the outer wall is smooth and facilitates laminar flow of liquid. This results in lesser possibilities pipe clogging, deposition of debris in the pipe path etc. DWC stands high as compared to the conventional options owing to its advantages and cost-economic viability and is a popular product among the end users and contractors.

Methods of Jointing

- Excellent load bearing capacity
- Chemically inert (Ref. IS-14333 - 1996)
- Abrasion resistant
- Flexible and fatigue resistant
- Excellent Anti-Corrosive properties
- Suitable for any aggressive climatic conditions
- Corrugated profile gives excellent soil bonding
- Excellent load bearing capacity (SN4/8/16)
- Low manning's Roughness Coefficient 'n' - 0.009
- High hazen William's Coefficient 'c' - 150

Advantages of Pipe

- Light weight and easy to handle
- Telescopic transportation possible
- Excellent Ring Stiffness
- Smooth inner wall hence minimum friction loss
- Even when bent, the roundness of pipe is retained
- Moderate flexibility takes care of soil settlement, if any



An alternative form of welding polyethylene (poly or PE) is the Electro fusion system where heating elements are embedded in PE fitting sockets. These sockets form part of a coupling or other fitting and require an electrical input from a welding machine to produce a welded joint.

The wide range selection of high quality joining systems (Electro fusion and spigot fittings), machines, tools and accessories is representative of an informed and solution approach to our customers needs for high pressure systems.

An Electro fusion fitting is composed of a polyethylene body in which wire coils and terminals are embedded at manufacturing stage. When charged through the terminals with the Electro fusion control unit, the coil is heated which is then transferred to the fitting and pipe.

Heat and the resulting pressure cause the surface to melt and bond at molecular level. If the correct procedure is followed, there is no separation between fitting and pipe at the point of fusion.



Advantages

- **Non-toxic, hygienic:** PE pipe fittings are non-toxic and odorless. After strict health monitoring, they are green building materials and never produce scale, which can effectively improve water quality.
- **Corrosion resistance:** PE is an inert material that is resistant to various chemical media.
- PE pipe fittings are connected by electro fusion, and the interface strength is higher than the pipe itself.
- Excellent flexibility and scratch resistance.
- Good wear resistance, low wall friction coefficient, small flow resistance and strong conveying capacity.
- Very convenient construction and installation.
- Low system cost and reduced maintenance costs can greatly reduce project costs.
- PE accessories can be reused, fully in line with the advocacy of efficient environmental protection.

Available Size: 20 mm (1/2") to 315 mm (12")





- ♦ PP Pipes are made in range of 20 mm OD to 630 mm OD.
- ♦ Polypropylene pipes manufactured are as per DIN 8077.
- ♦ PP Pipes are the best option in today's market due to its advantages over cast iron pipe, mild & Stainless steel pipe because of its best properties like resistance to corrosion, durable, light weight & Flexibility etc.

Properties

- *High impact strength, Hygienically Safe*
- *Easy to install and handle*
- *U.V Stabilized*
- *Excellent corrosion and chemical resistant.*
- *Inter to most acidic and alkaline solutions*
- *Good Corrosion resistant*
- *Light Weight*
- *Besides having a plastic based component it's quite formidable like steel & iron*



Applications

- ♦ **Fertilizer**
- ♦ **Gas & Oil**
- ♦ **Transmission**
- ♦ **Agriculture**



- ♦ **Portable Water Supply**
- ♦ **Food & Dairy Plants**
- ♦ **Slurry Transportation**

- ♦ **Industrial Effluent Disposal Systems**
- ♦ **Chemical Process Industry**
- ♦ **Environmental Protection**





- PPRC Pipes are made in range of 16 mm OD to 400 mm OD.
- PPRC pipes working pressure is PN 6 to PN 20 KGS.
- Polypropylene Random Copolymer pipes manufactures are as per DIN 8077 / 8078.
- PPR Pipes and fittings are produced from polypropylene Random Copolymer Type 3 as raw material having low melt flow rate, high molecular weight and good flexibility.
- PPR advanced piping technology is a new high technology system of pipes and fittings suitable for water supplies in buildings, chemicals & compressed air supply in industries.
- As per IS 15801:2008 BIS BUREAU OF INDIAN STANDARD Follow all Pipes & Fittings.

Applications

- Chilled Water circuit for refrigeration units, chillers and hot & cool water supplying pipes.
- Compressed air plants, Solar Plants, Rainwater Utilization Systems.



Advantages

Long – Life

Easy
& Good
Installation

Good
Line
Appearance

Resistant
to corrosion,
acids &
chlorides

Smooth
inner
surface

High
Impact
Strength

- PPR Pipes and fittings are made from polypropylene random copolymer specially developed for its above mentioned applications. Its characteristics make it suitable for both industrial and commercial applications with outstanding reliability over time.
- One special feature of the PPR-C pipe system is the assembly technique, in which the connected parts are welded by melting and fusion.
- After fusion welding, the pipe and fittings form a single continuous body with none of the problems, which may derive from potential leakage points. This makes the joints as Permanent. No sealants or adhesives are required for these permanent connections.



- **Anti Corrosive & chemical Resistant:** chemically inert and highly resistant to wide range of acid bases. Suitable for highly corrosive areas and industrial cooling water, drinking water system.
- **With standing High pressure:** Pipes and fittings can withstand up to 20 kg/sq cm pressure. Suitable for high pressure application like compressed Air Lines.
- **Low Pressure Drop:** Because of the very smooth non porous inner surface of pipes and fittings the loss is less than metallic pipes, which results saving of pumping energy considerably.
- **With standing Higher Temperature:** Can withstand up to 95 deg salacious Best pipe for heated water transport in solar applications.
- **Hygienic & Harmlessness:** KPT PPR-C Pipes are certified as food grade pipes as per DIN 1998 T2. Best piping system for drinking water, RO plants and DM plants and DM plants.
- **Low Thermal conductivity:** The material's high level of thermal insulation guarantees low heat loss on the part of fluid transport. (0.24 w/mK)
- **High Impact Rate:** KPT PPR-C pipes are having high impact strength compare to any plastic pipe.
- **Low Flammability:** KPT PPR-C Pipes and fittings comply with fire classification B2 (normal inflammable). In case of fire no toxic emission to atmosphere likes PVC Pipes.
- **Resistant to stray electrical current:** Thanks to high electrical insulating properties, KPT PPR-C pipe system is unaffected by stray currents



Pneumatic pipes are having combined nature of the advantages of FRP and plastic pipe and eliminate the disadvantage of both materials at the same time. The FRP is absolutely diffusion tight and reliably prevents oxygen or gases from permeating into the pipe. It compensates and reduces snap – back forces and heat expansion with changes in temperature.

KPT Pneumatic pipes are being produced with latest German technology at its state of the art manufacturing unit at Dehradun, Uttarakhand, INDIA. KPT Pneumatic pipes have been specially designed for the creation of primary and secondary network for compressed air, neutral gases & vacuum.

The FRP allows Pneumatic pipes to withstand high working pressure and prevent oxygen and gases from permeating into the pipe. Pneumatic pipes are safe and reliable choice for compressed air, gas and oxygen supply.

Pneumatic pipes consist of an overlapped FRP with an inner and outer layer of polypropylene Random Copolymer (PPR-C), all the layers are permanently bonded together by adhesive layers. The FRP Thickness of Pneumatic pipes have been selected to meet compressive and flexural strength requirements.

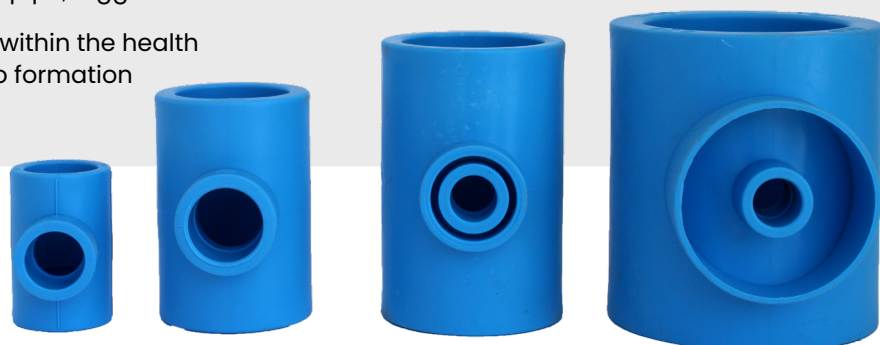
Pneumatic Pipes are made in range of 16 mm OD to 400 mm OD.

Pneumatic pipes working pressure is PN 6 to PN 20 KGS.

As per IS 15801:2008 BIS BUREAU OF INDIAN STANDARD Follow all Pipes & Fittings.

Advantages

- Very less heat loss due to lesser thermal conductivity.
- Lesser sagging because of very less thermal expansion.
- 60% layer of glass fiber reinforcement in the pipe.
- Reduced thermal expansion will reduce clamping.
- Style fitting offer a tight, leak free fit.
- As a result of socket Fusion joint, 0% leakage.
- High temperature and high pressure with stand capacity due to inbuilt GFR reinforcement layer.
- Excellent performance with long life in direct sunlight having UV resistant on the upper layer.
- Reduced linear expansion coefficient, only 1/3 of that of normal PP-R
- Higher strength and stability of dimension. It Can stand 25% more pressure than PP-R at the same condition
- Improved resistant to impulse under low temperature. It can used in 90 dg for a long time
- With the same condition of pressure, wall thickness of PPR fiberglass pipe is thinner, increasing inner diameter of the pipe, bigger of the air flow.
- Direct connect with water table within the health of non-toxic, good scalability, no formation of sphagnum.





- Compressed Air lines for hot and cold air
- Solar Heaters, under floor heating
- Effluent Treatment plants (ETP), Vacuum pipe liners
- Chilled water Application and air conditioning
- Instrument Air, Nitrogen Gas
- Chemical Plants and aggressive fluids
- Industrial water and wastewater
- Flue-gas Desulfurization, Pulp and paper Mills
- Irrigation, Wall Heating
- Application in the field of ship building
- Water transmission lines, Pressure/forced mains sewers
- Rehabilitation application, Water distribution systems
- Storm water Drainage Above ground piping, Sewage Drainage
- Re-lining, Slip – lining applications
- Desalination Plants, Chemical industries
- Chilled water piping, Pneumatic air application

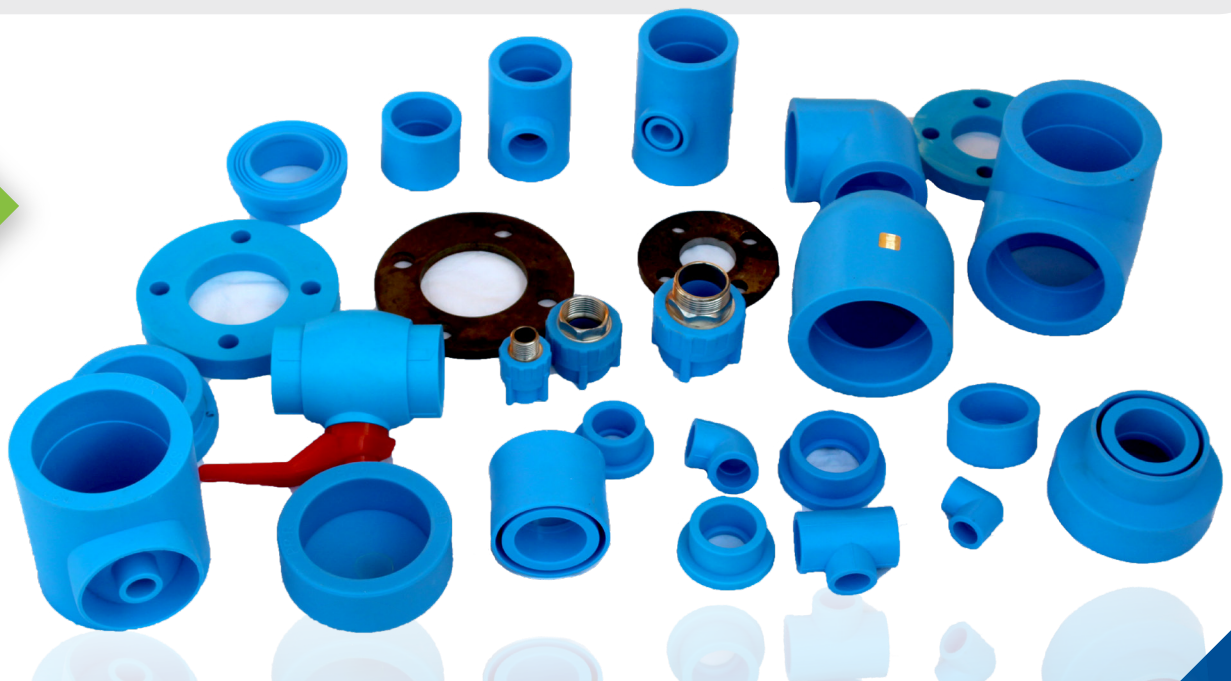
Reinforcement Glass Fiber: The sandwich Glass Reinforcement technology processed on Pneumatic enables to with stand more pressure even in high temperature. Since Glass is non-conductor of heat, so there is lesser thermal expansion, this reduces sagging.

U.V. Resistant: New Pneumatic technology being developed with carbon content blue layer which protects the pipes from UV rays in open sky.

Glass Insulation: Glass acts as non-conductor of heat. So the sandwich Glass Reinforcement technology reduces the condensation, thus reduce the chances of moisture in Pneumatic technology getting least.

Leaking Zero In fusion welded joints.

Pressure Drop: Rough inner surface in the above pipes leads to slight increase in pressure drop.



Narmada Flowtech (Narmada Marketing) is one of the leading Exports, Installation specialist & Trading Company since 1992 this is having complete range of HDPE / PP / PPR-C / PPH / PVDF / PVC, CPVC & UPVC Pipe Fittings, Industrial Ball Valves and All Industrial products. Our range includes fittings for all sizes ranging from 20 mm to 630 mm and all pressure classes ranging from PN 2.5 to PN 20 KGs. Our customers are Distributors, Leading Pipe Manufacturers, Project consultants and engineering companies, pharmaceuticals / chemical companies etc. across India and abroad.

The middle layer glass fiber reinforced with in the two layer of PPRC act as an agent to reduce extension capability and produce durability to high pressure at high temperature. This plumbing system is ideal for all kinds of firefighting lines, Hotels, Malls, Industries, Schools and Residential Apartments etc.

KPT Thermaplus piping is preferably advisable to use in highly corrosive chemicals, higher and lower temperature applications as well as types of process and utility applications of soft water, raw water, R.O. water, D.M water etc. KPT brand Thermaplus pipes and Thermal Fittings are having lot of advantages which can overcome the issues like leakages, pressure drop and corrosion – erosion in Metal piping.

Range available in PN 10, PN 16 & PN 20



- Thermaplus pipes reduce passive heat loss by around 20% for non-insulated pipe.
- Almost double strength owing to glass Fiber Reinforcement Technology.
- Higher temperature resistance owing to inbuilt Glass Fiber Reinforcement Layer.
- Very less Thermal Expansion because of sandwich Glass Fiber Reinforcement Layer.
- 50% less clamping requirement compared to PPR Pipes due to Glass Fiber Reinforcement Layer.
- Nil Maintenance having benefits such as Least Thermal Expansion and Sagging.
- Negligible Friction loss owing to higher C value – 150 and Least RA Value – 0.1 Micron
- Socket Fusion joining system guaranteeing 100% Leak proof element in pipes.
- Up to 5% energy saving owing to least RA Value, higher C Value and 100% leak proof element.
- 100% Non Corrosive product provides absolutely Corrosion Free piping which does not create any leakage.
- No obstruction creation inside pipeline which leads to least pressure Drop.
- Higher flow rate 25% (bigger ID)
- Energy saving 25%
- Absolutely Flame Retardant V2 Grade Pipes & fitting.
- Chemicals and acid applications
- 4X lower linear thermal expansion
- Owing to Sandwich Glass Fiber Reinforcement layer, very less sagging gives nice and Aesthetic View to the Pipeline.



Properties

- | | |
|--|---|
| <ul style="list-style-type: none"> • <i>Firefighting lines</i> • <i>Chemical and acid Plants</i> • <i>Cooling and Chilled water</i> • <i>Hydraulic oil (pressure 20 kgf)</i> • <i>Geo thermal application</i> • <i>Recycle water</i> • <i>Air conditioning</i> • <i>Potable water hot and cold</i> • <i>Solar Heaters application</i> • <i>Liquid foods</i> • <i>Watering system for greenhouse and gardens</i> | <ul style="list-style-type: none"> • <i>Transportation aggressive fluids</i> • <i>Water purifying plants</i> • <i>Radiator heating</i> • <i>Traditional heating system</i> • <i>Air distribution and compressed air system</i> |
|--|---|



PVC Pipe & Fittings

PVC Piping system is a pressure piping system ideal for use in variety of applications like agriculture, irrigation, water supply, industrial process lines, swimming pools and firefighting mains etc.

Standards & Specifications

- Pressure Pipes manufactured as per IS 4985
- Fittings are manufactured as per IS 7834 and as well as company's standards.

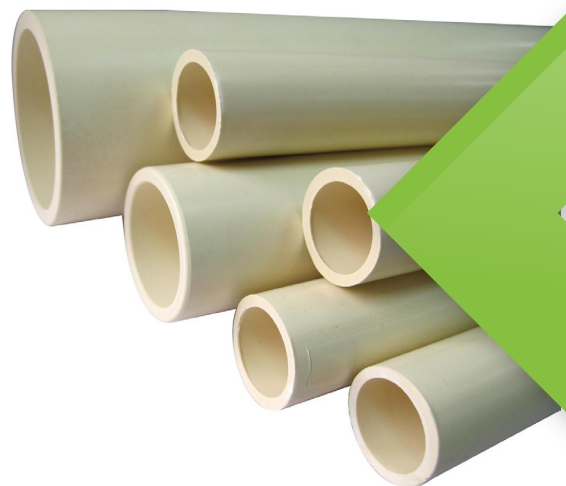
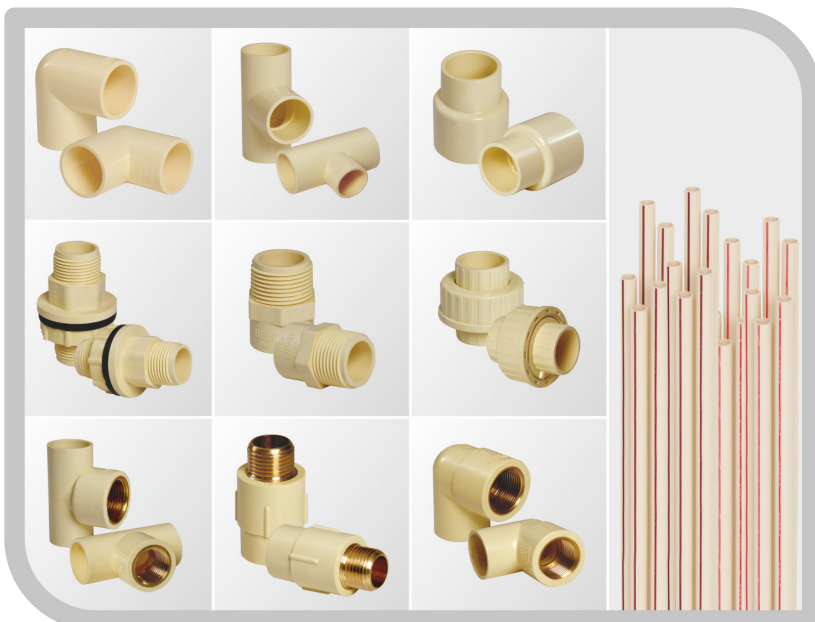
Pipes & Fittings

- Class 1 (2.5 kgf/cm²): 90 mm to 315 mm
- Class 2 (4 kgf/cm²): 63 mm to 315 mm
- Class 3 (6 kgf/cm²): 40 mm to 315 mm
- Class 5 (10 kgf/cm²): 20 mm to 315 mm



CPVC Pipe & Fittings

- CPVC pipes and fittings are made from CPVC compound which meets as per IS 15778
- It has a maximum service temperature up to 93°C, It has highest impact resistance without any loss in pressure bearing capacity / tensile strength or vicat softening temperature.



Standards & Specifications:

- **IS 15778:** Standard Specification for CPVC pipes for Hot and Cold Water Supplies –Specification
- **ASTM F493:** Standard Specification for Solvent Cements for (Chlorinated Poly Vinyl Chloride) (CPVC) Plastic Pipe & Fittings.
- **ASTM F441:** Standard Specification for (Chlorinated Poly Vinyl Chloride) (CPVC) Plastic Pipe, SCH 40 & 80
- **SDR 11 & SDR 13.5:** 15 mm ($\frac{1}{2}$ ") to 50 mm (2") CTS – confirming to IS 15778:2007,as per ASTM D2846
- **SCH 40:** 65 mm ($2\frac{1}{2}$ ") to 110 mm (4") IPS, as per ASTM F441 & ASTM F438
- **SCH 80:** 65 mm ($2\frac{1}{2}$ ") to 315 mm (12") IPS, as per ASTM F441 & ASTM F439

UPVC Pipe & Fittings:

- UPVC Pipes are non-toxic and lead-free which makes them a safe material for potable water.
- UPVC solvent joint plumbing system makes its pressure bearing capacity twice than that of the threaded pipe.

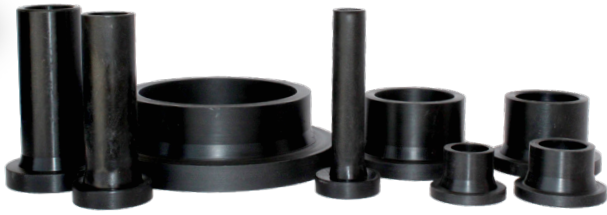
Standards & Specifications:

- SCH 40: As per ASTM D1785, D2466
- SCH 80: As per ASTM D1785, D2467

Available Sizes:

- SCH 40: 15 mm ($1/2$ ") to 315 mm (12") (IPS) As per ASTM D1785, D2466
- SCH 80: 15 mm ($1/2$ ") to 315 mm (12") (IPS) As per ASTM D1785, D2467





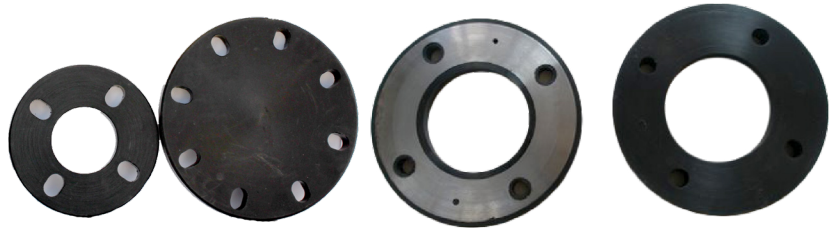
Long Neck & Short Neck Stub end: Size: 20 mm to 630 mm

Tail Piece: Size: 20 mm to 160 mm

Slip on & Blind Flanges:

Slip on, Pipe Bore, Threaded, & Sandwich Flange:

Size: 20 mm to 630 mm



Reducer: Size: 20 mm to 630 mm



Moulded & Socket Elbow: Size: 20 mm to 315 mm

Socket Elbow / Threaded Elbow: Size: 20 mm to 160 mm



Moulded Tee

Size: 20 mm to 315 mm



Socket Tee / Threaded Tee

Size: 20 mm to 160 mm



Fabricated Bend & Tee, Unequal Tee, Cross Tee

Size: 20 mm to 630 mm



End Cap

Size: 20 mm to 630 mm

Above All Pipe Fittings Available

M.O.C.: PP (Polypropylene) & HDPE (High Density Polyethylene)



PP Ball Valve Flange End & Screw End (Polypropylene)

Features of PP Ball Valve:

- High Temperature and chemical resistance material
- Anti-Block System
- Low Operating torque
- UV Stabilized material to avoid cracks against Sunlight

Drilling Standards:

- ASA #150
- D & F-Table
- Capsule Shape (Universal Drill)

Available Sizes: 1" to 12"



Material Specification:

Body	PP/ Isotactic PP/PVDF
End Piece (Flange)	PP/ Isotactic PP/PVDF
Ball	PP/Isotactic PP/PVDF
Handle	PP With Metal Bar Inserted
Spindle	PP/Isotactic PP/PVDF lined (EN-8/SS- 304/SS-316 (Inserted)
Body Seal	Neoprene / EPDM / Viton
Fasteners	MS Galvanized / SS-304/ SS-316**

Features of PVDF lined Ball valve & Isotactic PP with PVDF Ball valve:

- High temperature and chemical resistance material.
- Low operating torque.
- UV stabilized material to avoid cracks against sunlight.
- Better resistance to solvents, chemicals and temperatures.

Max. Temperature Rating:

- Suitable for bromine, Nitric Acid and 98% sulfuric acid.



Available M.O.C: HDPE (High Density Polyethylene)

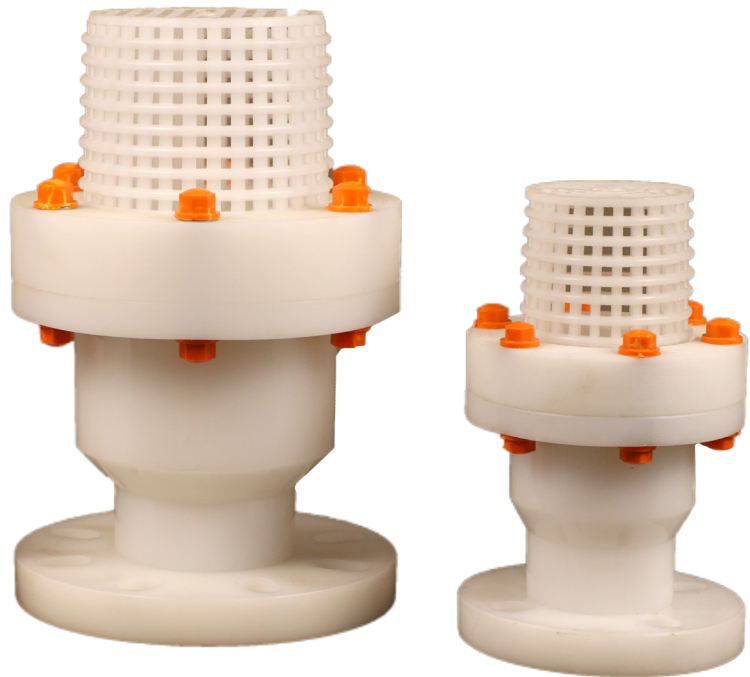
Size: ½" to 12"

- All Dimension are in + 2 mm
- Maximum Working Pressure 10kg/em'
- Hydraulic Test Pressure
- Body -200PSI, Deat- 150 PSI
- Working Temp. up to 95'c
- Table D/E/F/ASA 150 # DIN etc.

BILL OF MATERIAL

No.	Discription	Materail	Qty.
1	Body	P.P. / H.D.P.E.	01
2	Side Piece / connector	P.P. / H.D.P.E.	02
3	Ball	P.P. / H.D.P.E.	01
4	Stem / Spindle	M.S. PP Coated	01
5	Seat Ring	PTFE	02
6	Connector Seal	Neo Prime PTFE	02
7	Steam Seal Ring	Neo Prime PTFE	01
8	Stem O-ring	Neo Prime	01
9	Stud., Nut & Washer	MS (EN 8)	Req.
10	Nut Cap	P.P. / H.D.P.E.	Req.
11	Handle	M.S.PP Coated	01
12	Handle Hex. Pin	MS (EN 8)	01
13	Handle Cap	P.P. / H.D.P.E.	01

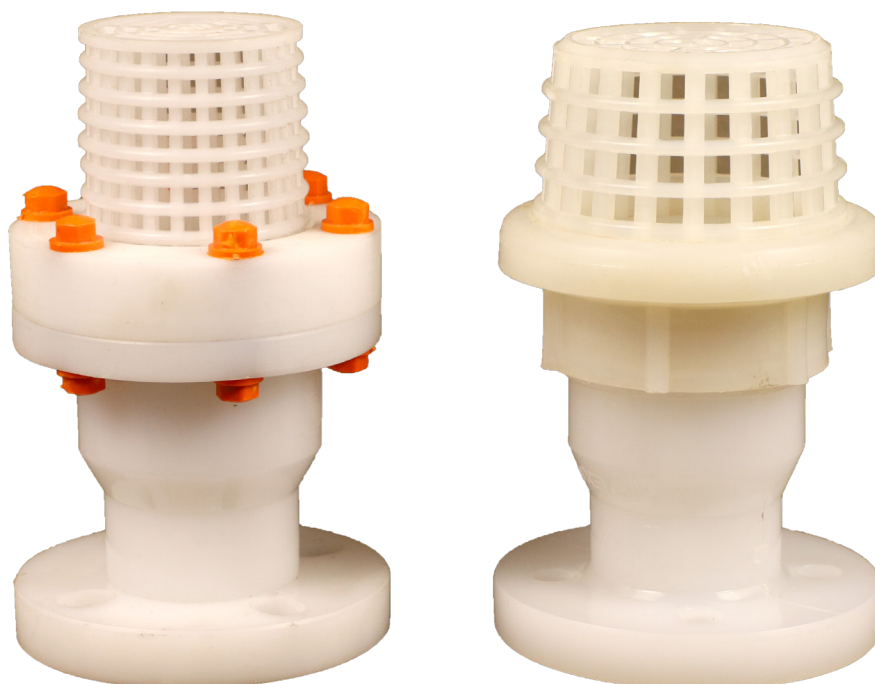




Size: Flange End 1" to 12"

BILL OF MATERIAL

No.	Discription	Materail	Qty.
1	Top Body	P.P. / ISO PP	01
2	Bottom Body	P.P. / ISO PP	01
3	Ball	P.P. / ISO PP	01
4	Ball Ring	P.P. / ISO PP	01
5	Seat Ring	Neo Prene Rubber	01
6	Stud., Nut & Washer	S.S. 316	-



PP Non Return Valve Flange End & Screw End (Polypropylene)

Size: Flange End 1" to 12"

- All Dimension are in + 2 mm
- Maximum Working Pressure 10kg/em'
- Hydraulic Test Pressure
- Body 15 kg / cm

BILL OF MATERIAL

No.	Discription	Materail	Qty.
1	Top Body	P.P. / ISO PP	01
2	Bottom Body	P.P. / ISO PP	01
3	Ball	P.P. / ISO PP	01
4	Ball Ring	P.P. / ISO PP	01
5	Seat Ring	Neo Prene Rubber	01
6	Stud., Nut & Washer	SS. 316	





PP basket strainers of sizes ranges from ¾" to 6" with threaded or flanged end connection. We have both moulded and fabricated Polypropylene Strainers.

Each moulded strainer is tested up to 5 kg/cm² pressure. Various Perforations, Mesh or Perforation Mesh combinations baskets are available to meet your process requirements.

In many corrosive or sensitive process media Straining applications, Plastic is the preferred material of construction for a basket strainer.

Moulded basket strainers are resistant to a wide variety of corrosive acids and other aggressive materials.

Features

- Available in screwed as well as flanged connection
- Hydraulically Tested to 5 kg / cm²
- Excellent Corrosion resistance
- No process media contamination
- Hand Removable cover till size 100 mm
- In line Design
- Optional Threaded Drain
- No Painting or coating Required to survive a difficult environment



PP Butterfly Valve

Size: 2" to 8"

Size: 6" to 12" (Gear Operated)



ITEM NO.	ITEM DESCRIPTION	MATERIAL	QTY.
1	BODY	P.P	1
2	SEATRING	NEOPRENE/VITON	1
3	DISC	EPDM	1
4	BUSH	P.P	2
5	O RING	NEOPRENE/VITON	6
6	BUSH	P.P	1
7	BLIND BUSH	P.P	1
8	STEM	S.S	1
9	HEXBOLT	S.S	Req.
10	WASHER	S.S	Req.
11	HANDLE	P.P	1
12	HANDLE CAP	P.P	1

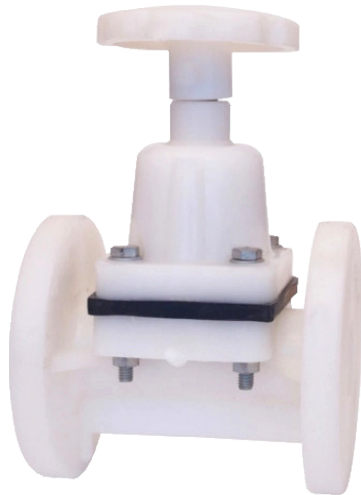


PP Sight Glass

Size: 1" to 12"

ITEM NO.	ITEM DESCRIPTION	MATERIAL	QTY.
1	BODY	PPH/PP/PVDF	2
2	CLEAN GLASS	NEO PRIME PTFE	2
3	SEAL	TEFLON	1
4	STUD	S.S	6
5	WASHER	MS/SS	12
6	HEXNUT	MS/SS	12





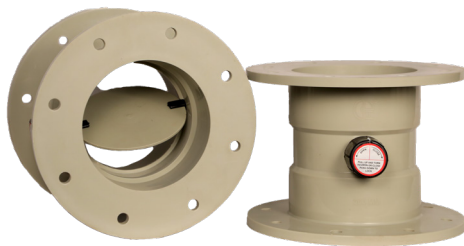
PP Diapharm Valve

Size: 3" to 12"



PP T Type Ejector

Size: ½" to 2"



PP Damper Valve

Size: 3" to 12"



**Butterfly Valve
(CI, MS, WITH LINED VALVE)**



PP Level Indicator

Size: ½" to 1"



Our HDPE chemical storage tank reactors are specially designed to suit every chemical plant applications which are manufactured using finest grade polyethylene. Transportation of corrosive substance in storage tank is complex task and careful attention is rendered on designing, fabrication and erecting storage tanks.

They are vigorously tested and verified by export professional before final dispatch to resist any kind of explosion or leakage, the structure has been made of advanced machinery that is in adherence with industry standard and is of unmatched quality.

Optimum quality is ensured to meet users' specification and ideal storage situation. They are built strong enough to withstand temperature sensitivity, extreme weather or harsh enterprise. These tanks are available in any cylindrical vertical, cylindrical horizontal, square & rectangular shapes.

HDPE Spiral Tank Available Capacity : 1 KL to 50 KL

Features

- Immunity & Corrosion
- High Impact Strength & Durability
- Maintenance Free
- Superior Finish
- Easy Installation
- Leak Resistance
- Sturdy Construction



Technical Specifications

- Made With HDPE PE-80 / PE-100 Extrusion Grade Materials, That Is Best Appropriate For Chemical Storage Tank.
- "SPIRAL" Winding System Is Being Executed In The Design.
- Different Shell Thickness Gradation To With Stand Bottom Shell Pressure & Temperatures.
- Shell thickness varies at different cross section.
- Shell thickness & bottom thickness vary, rendering high strength at bottom.
- Higher strength due to profile winding around shell.
- It can be manufactured in any intricate or complicated shape
- Accessories are of high strength due to extrusion of welding grade material.
- All accessories like flanged inlets, outlets, valves, float level indicators; manhole and its cover can be provided as per customer's requirements.

Flanged joints on pipeline systems are an enormous source of danger and especially wherever they are used to transport poisonous, flammable or caustic liquids. In case of seal breakage, the result is a danger zone with a diameter of up to 40 meters. In order to reduce this zone to a minimum, flange joints must be provided with a suitable form of spray protection.

- Spray Protection
- Adjustable latching slots, Locking step one type
- Installation and removal without tools and auxiliary equipment
- No Sliding and removal without tools and auxiliary equipment
- Materials : Polypropylene, MS RL and stainless steel
- Shortest delivery time.

The Flange Guard is designed as a spray protection ring that uses an adjustable latching slot and a centering ring to prevent the sliding off from the flange joint and with extremely simplified handling steps for guaranteed prevention of dangerous spraying of materials whenever a gasket or seal gives way. The versatile characteristics that has established this safety device to become the reliable standard equipment of safety – conscious companies.

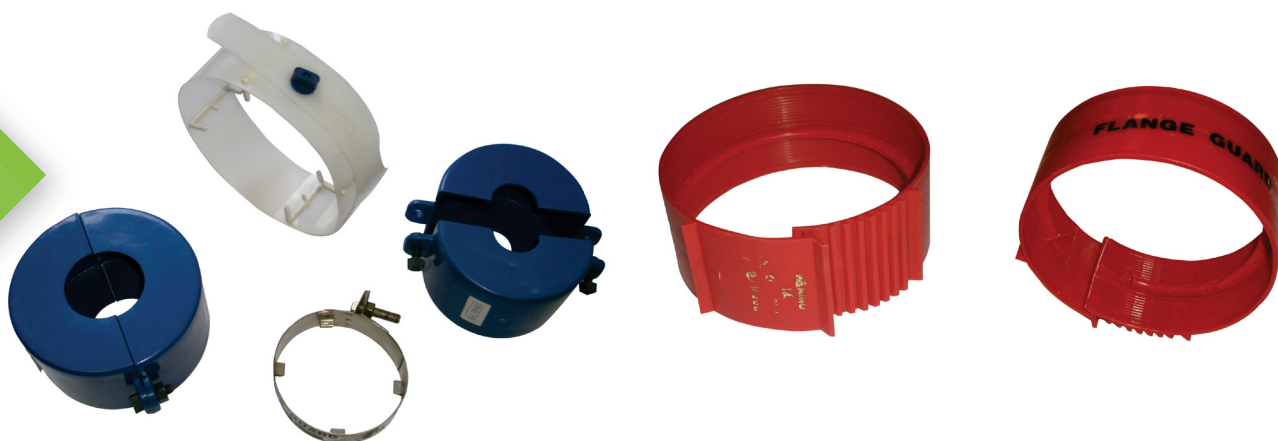
Applications

Flange Guard is a simple single joint strap, to be used to fix on the flange joints. It is made of Polypropylene and is durable and has got resistivity for high pressures (about 50 kg / cm² to 70 kg continues) and high temperature (about 150 °C). It can be used in acids. For that matter on all Solvents.

- It does not require any hardware for fixing and is very easy to mount. The inside grip prevent it from sliding off from the joint.
- Available in various sizes. For your specific application, we can help you with the altered material of construction for the flange guard.

Available Material: PP, SS, HDPE, PTFE

Size: ½" to 12"





- Manufactured with top quality polypropylene copolymers.
- Can be use with HDPE, MDPE, LDPE Pipes.
- Very Economical & easy to joint / connect. No fusion welding.
- No mirror, No electricity required.
- Are unbreakable, corrosion-resistant and resistant to most chemical.

Size: 20 mm to 63 mm – 16 bar, 20 mm to 110 mm – 10 bars

Application of PP compression Pipe Fittings

- Agriculture Industry
- Drip & Sprinkler Irrigation
- Cooling and Chilled Water
- Chemical Industry
- Effluent Disposal Plants
- Vacuum Lines



PP THREADED FITTINGS

- PP Coupler Socket & Threaded
- PP Hose Nipple Threaded
- PP Union
- PP Coupler
- PP Clamps
- PP Tank Connector
- PP Hex Nipple
- PP Hose Nipples
- PP Tee Socket Weld & Threaded
- PP Elbow Socket Weld & Threaded





HDPE DRAIN TRAP

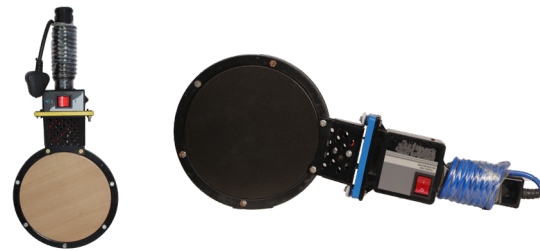


SIZE:
16 X 32 X 1 1/4"
400 X 335 X 40
625 X 335 X 40
800 X 335 X 40
900 X 335 X 40
980 X 335 X 40

CHEMICAL DRYER TREY



PPRC HEATING MIRROR



HDPE HEATING MIRROR



HEATING MIRROR COIL



PP IMPILLER
SIZE: 10", 12", 18", 24"



PP SCOOP



**PP SHOWEL WITH
WOODEN HANDLE**



PP SCRAPER



WELDING HOT AIR GUN



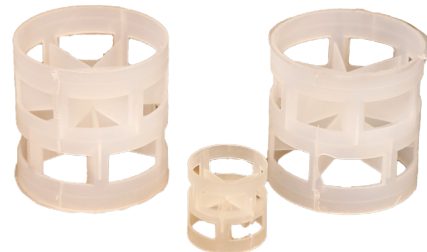
WELDING ROD
SIZE: 3 MM & 5 MM Available
M.O.C: PP, HDPE, PPH, And PVC



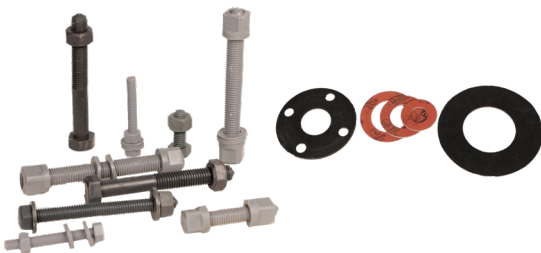
SOLID ROD
SIZE: 8 MM TO 300 MM
PP, HDPE



SHEETS & BLOCK
SIZE: 1 MM TO 100 MM



PP PALL RINGS
SIZE: 1", 1 1/2", 2", 3"



PP NUT BOLTS and Gasket
M.O.C PP (POLYPROPYLENE), SS, MS



PP SPREY NOZZLE
SIZE: 1/2", 3/4", 1"

FRP, PP FRP & HDPE FRP Pipe & Pipe Fittings / FRP Railing

FRP (Fibre-Reinforced Plastics) / GRP Cable Trays

FRP Cable Trays is designed and manufactured from a selection of premium resin reinforced with glass fibers to form a strong composite that is resistant to chemicals, fire retardant and Ultra Violet rays.

Fiberglass reinforced plastics cable trays systems are defined to include Ladder cable trays, ventilated and solid bottom cable trays, FRP tray Covers, Accessories, Bends, and fittings.



FRP / GRP Molded Grating / walkway

Narmada Flowtech supply a wide range of FRP Moulded grating with 25mm, 30mm, 38mm & 50mm height. We have various types of Fiberglass moulded grating such as Anti-skid FRP Grating, Covered FRP Grating, Concave & Meniscus FRP Grating, Pultruded FR Grating, Chequered FRP Grating. FRP Grating manufacturer that provides corrosion resistance, Fire Retardant, UV Resistance, long life & easy to fabricate FRP grating.



FRP / GRP Poles

Narmada Flowtech one of the leading supplies of FRP / GRP Poles in India. FRP / GRP Poles are manufactured by Centrifugal Casting Process. Fiberglass Poles meet the highest international standards for its high strength, corrosion resistance, UV resistance, mechanical strength, long life and safety.



FRP Ladder

Narmada Flowtech has Supply Ladders with fiberglass or Aluminium steps to satisfy the requirement of client. APPLICATION: Wall Supported Ladders, Stairways, Working Platforms, Monkey Ladders with or without cage.



FRP Pipe & Fittings



INSTALLATION PHOTOS





Applications

- Chemical Industry
- Oil and Gas Industry
- Thermal Power Plant
- Food Industry
- Dairy Plant
- Pharmaceuticals
- Construction
- Agriculture Industry
- Water Supply Plants
- Waste Water Treatment Plants
- Commercial Building, Residency



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