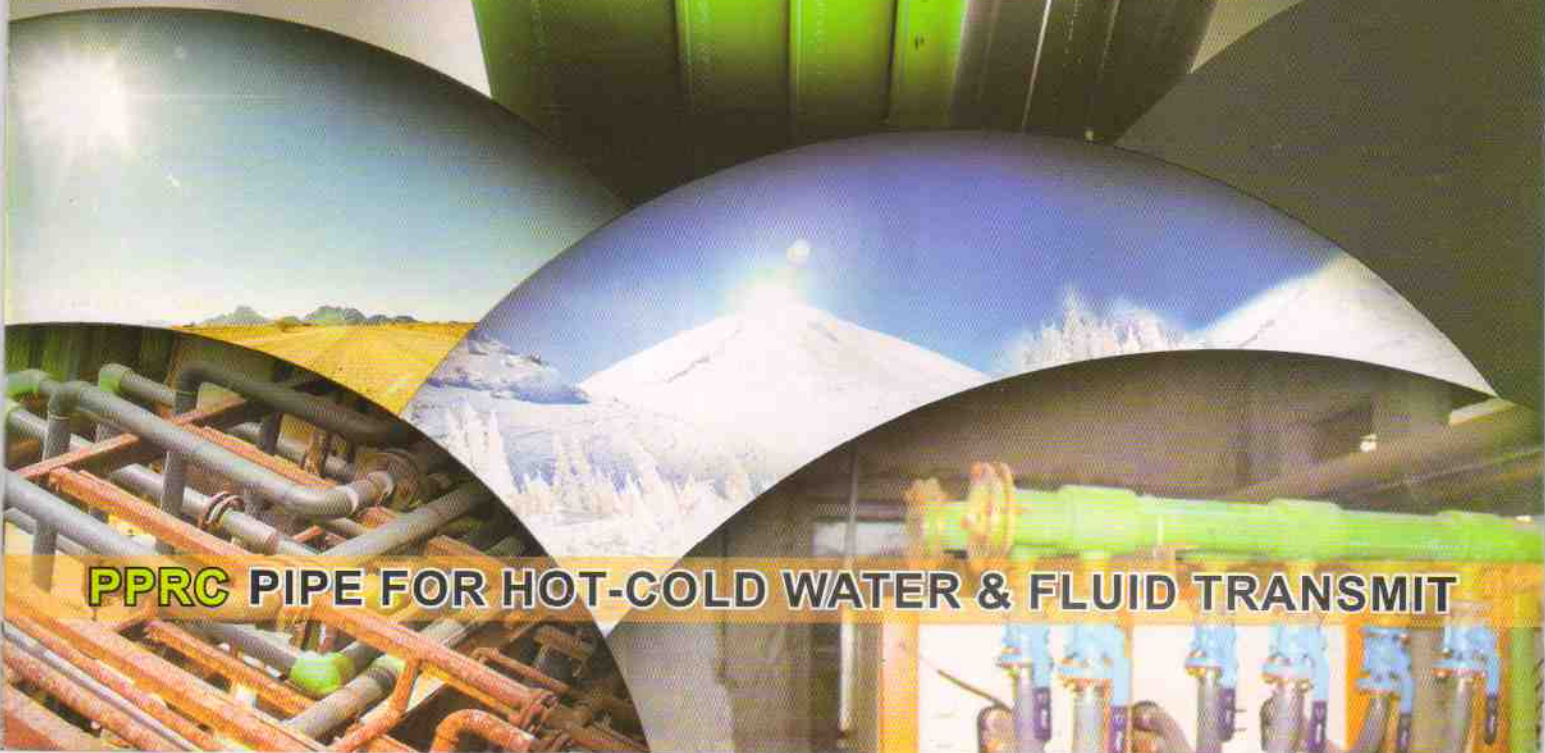


ANINEY
PPRC HEAT SAVING PIPING

create **energy** by saving **energy**

Prevent **Temperature Loss**
through....



PPRC PIPE FOR HOT-COLD WATER & FLUID TRANSMIT

About ANJNEY

ANJNEY is a group of companies, engaged in the manufacturing of quality Polymer Pipes, Pipe Fittings and Ball Valves since 1995. We are the first manufacturer of polymer pipes, pipe fittings & ball valves in India to be accredited as an ISO 9001:2000 Company by BVQI.

We remain committed to the development of state-of-the-art products and services that set industry standards, and help solve Chemical, Water & Air transmit challenges. The 15 years of practical knowledge, quality consciousness, hard work, use of latest technology and regular up-gradation have been our guiding principles. The efforts of all members of the Company including that of the employees and workers have contributed to the rise of the Company to newer heights.

We continuously make efforts to enhance our product & service, to deliver value for money to our customer & inline to this aspiration we have developed following products :

Office



Factory



PPRC
Pipes & Fittings

ANJNEY

PPRC HEAT SAVING PIPING

Corrosive Chemical Transmit
Chiller & Cooling Tower Piping

PPH
Pipes & Fittings

ANJNEY

PPH INDUSTRIAL PIPING

Highly Corrosive Chemical Transmit
Various Industrial Piping

HDPE
Pipe & Fittings

ANJNEY

HDPE INDUSTRIAL PIPING

Chemical Transmit
Drinking & Potable Water Supply
CETP/ STP/ WTP Plant Piping



PPCH
Pipes & Fittings

ANJNEY

PPCH PNEUMATIC PIPING

Air-Compressor Piping
& other Pneumatic piping

Chilled and Hot Fluid Transmit Application

As we are aware, Chiller Plants & Equipments widely exist in various Kinds of industries for several kinds Of usages. Pipeline is a major Concerned issue for the Chilled Air / Water transmit applications, as an Inefficient pipeline could harshly Reduce the effectiveness & intensity Of entire Chiller Plant.

- In a Chiller plant, the water / air is chilled upto required temperature through electrical process, and transmitted thereafter.
- An inefficient pipeline, not capable to maintained parallel temperature during transmit would incur huge loss (As output temp, would differ from input temp. Due to inefficiency of pipeline to maintain temperature)
- Moreover this would lead to decline in effectiveness of chiller plant. Even the electricity cost incurred on chilling the water / air would not be fruitful.

Taking into consideration the working environment of Chiller Plants & Equipments, we have developed an ineal piping system "PPRC Pipes & Fittings" with enriched features as mentioned below :

- High Temperature Resistance from (-4°C to 90°C)
- Due to High Temperature Resistance, has much lesser Heat-Loss
- Lesser Need for Insulation (Almost Negligible)
- Fusion Welded Joints ensure 0% leakage (Preventing Energy Loss)

Comparison between METAL & PPRC for Chilled and Hot Fluid Transmit.

PPRC Pipeline	METAL Pipeline
Non-Corrosive Pipeline	Highly Corrosive Pipeline
Leak-Proof Joints (Fusion Welding)	Due to Corrosion & Threaded joints high chance of leakages at joints.
No need of skilled labor for installation	Need for skilled labor for Installation
Hard Scale Formation is low	High formation of hard scale
Due to low friction and head loss, pump can work efficiently and yield more life.	High friction and head loss reduces pumps' effectiveness and life
Heat Loss of our unique grade of PPRC is 0.039 - 0.079 (Btu/hr ft of) much lesser (900 times) than Metal pipes, which means that is has a higher temperature sustaining power at lower temperature.	Heat Loss of Iron is 43.06, which shows that it has lower temperature sustaining power in comparison to PP.
Compared to metal pipeline, insulation requirement is low in PPRC Pipeline due to low heat loss.	As the Heat-Loss is much high the Insulation requirement is high to maintain the temperature.



create energy by saving energy

Prevent **Temperature Loss** through....

"ANJNEY" PPRC HEAT SAVING Piping System.

Did you know how much loss Metal Pipes made through Heat – Loss?

Considering all above deficiencies of Metal piping system, we had conducted Research & Development at High-End Plastic Technology Laboratories, through various test & experiments. Further we had observed the Heat-Loss in various Metal & Polymer pipes & after analyzing them we have selected the grade having minimum Heat-Loss & developed PPRC Heat Saving Piping System. In Last 4 years we have made more than 220 installations in various Chiller & Cooling Tower plants.

Heat Loss of "ANJNEY" PPRC Heat Saving Piping System compared to others



Most of the PPRC Pipe Fittings available in market are developed for Plumbing application, whereas "ANJNEY" PPRC Heat Saving Piping is made of special PPRC grade imported raw-material to minimize Heat Loss. Moreover our Piping system would yield 10 to 60 times energy saving in comparison to other Metal piping.

"Successfully Supplied & Commissioned PPRC Heat Saving Piping System in more than 450 industries for corrosive fluid and chemical transmit, and 220 installations in Chillers and Cooling Towers"

Insulation Requirement

"ANJNEY" PPRC Pipe Fittings has excellent insulator characteristics, when compared to other conventional materials like G.I. / M.S., Steel, Copper & other plastic pipes. Normally it may not be necessary to insulate PPRC Pipes for hot water concealed application due to its Low Thermal Conductivity. But incase wherein circulation of hot water is continuous and the application is unconcealed, it becomes necessary to insulate distribution line to prevent excessive loss of heat & energy wastage. In comparison to other conventional pipes insulation thickness of PPRC Pipe and Fittings are greatly reduced due to its low thermal conductivity.

How "ANJNEY" PPRC is different from other PPRC Pipes?

There are 10 to 15 PPRC Pipe Fittings manufacturers in India, but most of PPRC pipes available are developed for domestic usage in residential area. Whereas "ANJNEY" PPRC Pipe fittings wa specially developed after 1 year continuous R & D wherein we have nehanced PPRC properties to withstand with the environment of Highly Corrosive Fluid transmit, Chiller Water transmit, and Cooling Tower water transmit. Further our R & D Dep. Is making constant efforts to advance its features for better performance.



ANJNEY Heat Saving Piping System	Other PPRC Pipes & Fittings
ANJNEY Piping System is specially developed for industrial applications where there is a requirement of maintaining temperature, like Corrosive fluid and chemical transmit / Chiller / Cooling tower piping	Other manufacturers offer PPRC Pipes & Fittings for plumbing application.
Selection of special grade through continuous R & D which have least heat-loss property compared to all other polymer grade in the World	Almost all other PPRC Pipes & Fittings manufacturers use regular grade of Co-polymer, which is developed for plumbing application
In last 4 years, ANJNEY Piping system is installed in more than 450 industrial piping, 120 chiller piping, and above 100 cooling tower piping	Other PPRC Pipes are used for domestic / plumbing applications only, no such industrial application might have been carried out
ANJNEY has special double layer pipe with CBC as the outer layer for UV resistance in outdoor applications	Other Manufacturers provide multi layer pipes in which black layer is in middle, which does not serve the purpose of UV resistance, on the contrary, user is not ensured for the quality of triple layer pipe

"ANJNEY" PPRC Pipes (As per DIN 8077/78)
 "ANJNEY" PPRC Fittings (As per 16962 – Part 5 to 10)

Products



Single Layer PPRC Pipe
 20 mm to 160 mm –
 PN10, PN16, PN20



Double Layer PPRC Pipe
 20 mm to 160 mm
 PN10, PN16, Pn20



Coupler
 20 mm to 160 mm – PN20



Elbow
 20 mm to 160 mm – PN20



Equal Tee
 20 mm to 160 mm – PN20



End Cap
 20 mm to 160 mm – PN20



Core Flange / Long Neck Collar
 20 mm to 160 mm – PN20



Step Flange
 20 mm to 160 mm



Reducing Tee / Reducing Elbow
 Available in sizes 20mm to 160mm



Reducer
 20 mm to 160 mm



Male Threaded Adaptor
 20mm*1/2" / 20mm*3/4" / 25mm*1/2" / 25mm*3/4" /
 32mm*1/2" / 32mm*3/4" / 32mm*1" / 40mm*1.1/4" /
 50mm*1.1/2" / 63mm*2"



Female Threaded Adaptor
 20mm*1/2" / 20mm*3/4" / 25mm*1/2" / 25mm*3/4" /
 32mm*1/2" / 32mm*3/4" / 32mm*1" / 40mm*1.1/4" /
 50mm*1.1/2" / 63mm*2"



Male Threaded Elbow
 20mm*1/2" / 20mm*3/4" /
 25mm*1/2" / 25mm*3/4" /
 32mm*3/4" / 32mm*1"



Female Threaded Elbow
 20mm*1/2" / 20mm*3/4" /
 25mm*1/2" / 25mm*3/4" /
 32mm*3/4" / 32mm*1"



Female Threaded Tee
 20mm*1/2" / 20mm*3/4" /
 25mm*1/2" / 25mm*3/4" /
 32mm*3/4" / 32mm*1"



Male Threaded Tee
 20mm*1/2" / 20mm*3/4" /
 25mm*1/2" / 25mm*3/4" /
 32mm*3/4" / 32mm*1"

WALL THICKNESS OF PPRC PIPE. AS PER DIN 8077 / 8078 STANDARD

Nominal Diameter	SDR 11 PN 10		SDR 7.4 PN 16		SDR 6 PN 20	
	MIN	MAX	MIN	MAX	MIN	MAX
20 MM	1.90	2.30	2.80	3.30	3.40	4.00
25 MM	2.30	2.80	3.50	4.10	4.20	4.90
32 MM	2.90	3.40	4.40	5.10	5.40	6.20
40 MM	3.70	4.30	5.50	6.30	6.70	7.60
50 MM	4.60	5.30	6.90	7.80	8.30	9.40
63 MM	5.80	6.60	8.60	9.70	10.50	11.80
75 MM	6.80	7.70	10.30	11.60	12.50	14.00
90 MM	8.20	9.30	12.30	13.80	15.00	16.70
110 MM	10.00	11.20	15.10	16.90	18.30	20.40
125 MM	11.40	12.80	17.10	19.10	20.80	23.10
140 MM	12.70	14.20	19.20	21.40	23.30	25.90
160 MM	14.60	16.30	21.90	24.30	26.60	29.50

"For selection of pipe refer our pipe selection chart along with wall thickness chart."