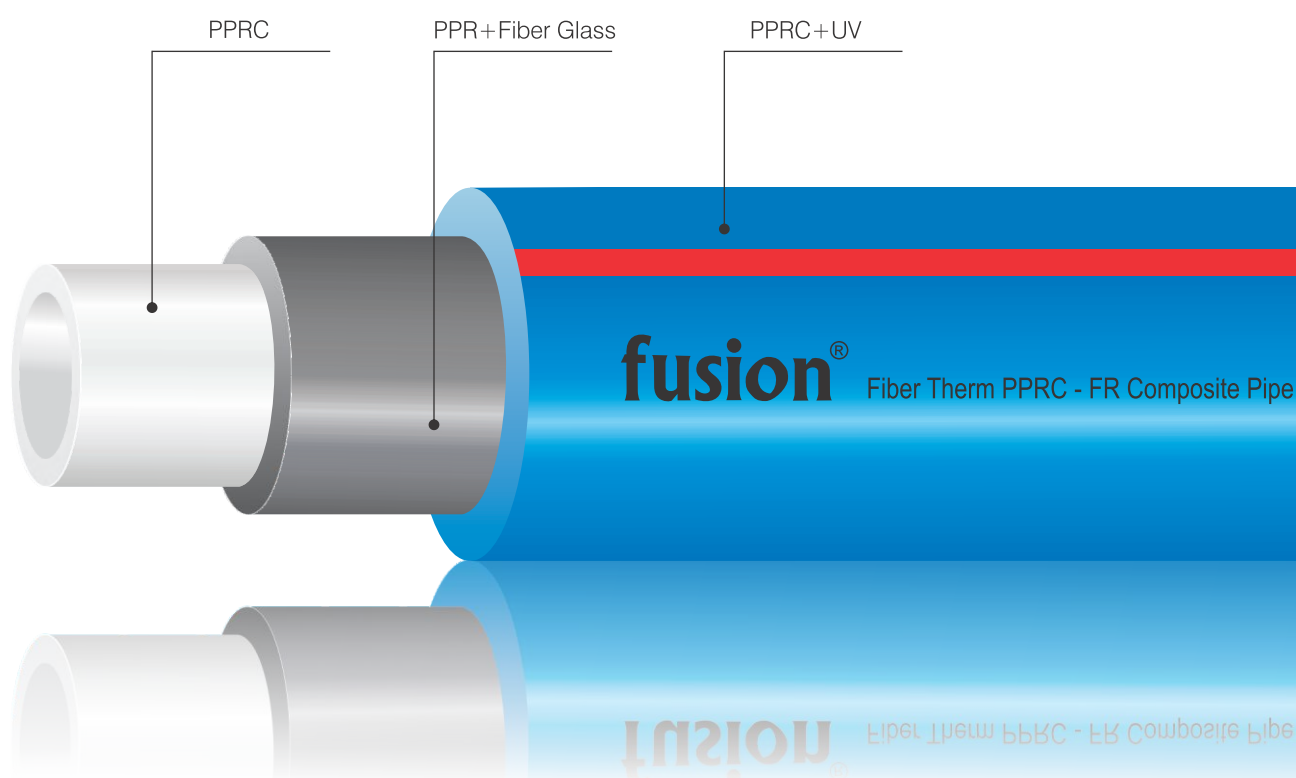


FIBERTHERM

PPRC-FR Composite Pipe



fusion® FIBERTHERM PPRC - FR Blue Composite Pipe

Applications :

- Compressed Air
- Pneumatic Control
- Instrumental Line
- Vacuum Line
- Nitrogen Air Line

fusion® FIBERTHERM

Unique 3 layer Pipe reinforced with glass fiber, made from the next generation PPRC-FR Composite, An unrivalled Product

about fusion



fusion® FIBERTHERM Composite Blue Pipe for Airline

In ordinary PPR pipe inner dia is smaller & air flow is less but in **fusion®** fiber therm PPRC-FR Composite Pipe Air flow will be 25% higher.



COMPARISON OF fusion® FIBERTHERM COMPOSITE PIPES & ALLUMINIUM PIPES

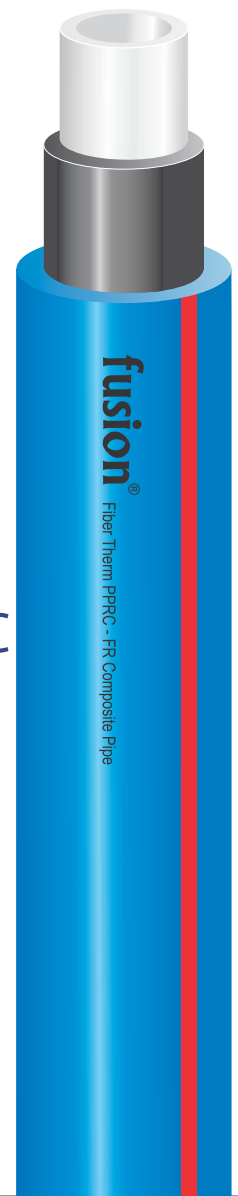
PIPING VIEW	FIBER THERM COMPOSITE PIPE	ALLUMINIUM PIPE
JOINING SYSTEM RELATED TO LEAKAGES	Socket Fusion Joining system assuring 0% leakage	100% chances of leakages due to Push Fit joints depending on O-rings
RA VALUE RELATED TO FRICTION LOSS	0.1 Micron RA Value insures Negligible friction loss and assures good amount of energy saving	0.7 micron RA value leads to higher friction loss which creates high energy consumption
C VALUE RELATED TO HIGH FLOW	150 C Value gives higher and smoother fiber reducing the energy consumption	130 C Value depending on O-rings consumes more energy
PRESSURE HOLDING TEST	Glass Fiber Reinforcement composition with Polypropylene is successful in pressure holding test	Push Fit joints depending on O-rings fails in Pressure holding test
THERMAL CONDUCTIVITY RELATED TO MOISTURE	Moisture Free Fusion brand pipe having 0.013 Btu/hr F thermal conductivity assures Moisture free and 100% Non-corrosive pipeline	Higher thermal conductivity 27.09 Btu/hr F creates moisture in the pipeline ultimately leading to corrosion
MAINTENANCE RELATED TO CORROSION	NIL maintenance owing to 100% leak proof element and NIL corrosion	Very high maintenance due to push fit joints
LIFE EXPECTANCY RELATED TO CORROSION	25 years of life without sagging and with nice esthetic view	Maximum 5 years of life with maintenance due to leakages and higher thermal conductivity
ENERGY SAVING	Energy Saving due to 0% leakages	Higher Energy consumption Due to Friction Loss & leakages



%25
Higher pressure resistance
At higher temperatures by
Up to 25%

-6° to 95°C
Temperatures resistance -6° to -95°C

%20
Higher flow rate by up to 20%
(Energy Saving 20%)





fusion® fibertherm pipe

The innovative all-rounder which revolutionized the plastic pipe in industry, made a name for itself within very short time that stands highest quality and outstanding ecological properties.

Fusion fibertherm is multilayer with fiber reinforced and UV resistant makes its mechanically stabilized through a fibertherm mix integrated in the middle layer and outer layer is resistant against UV sun rays and inner layer is ppr food grade material.

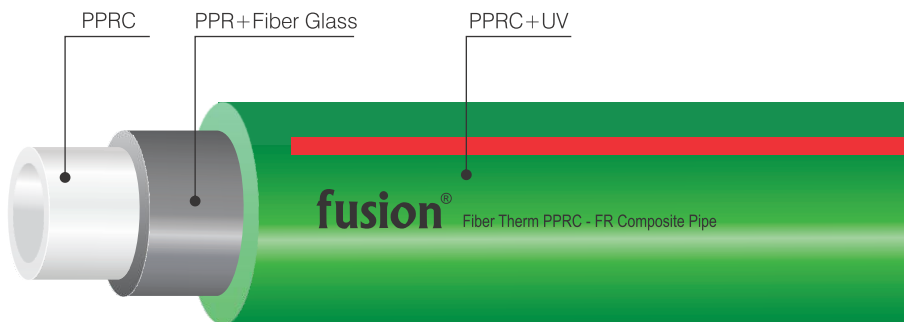
Advantages over ordinary PPR & other polymer pipes

1. 4x lower liner thermal expansion
2. Higher pressure up to 25%
3. Higher flow rate 25% (Bigger ID)
4. Energy saving 25%
5. Fibertherm pipes reduces passive heat loss by around 20% for non insulated pipe

Applications :

- Potable water Hot and Cold
- Cooling and Chilled Water
- HVAC & Air Conditioning
- Chemical & Acid
- Hydraulic Oil (Pressure 20kgf)
- Geo thermal application
- Recycle water

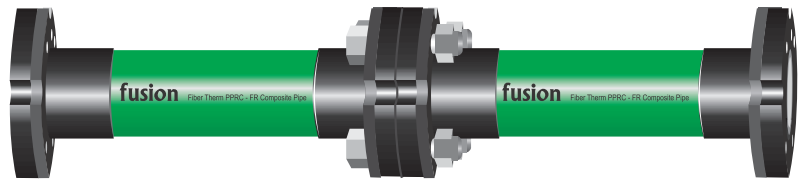
fusion® FIBERTHERM Composite Green pipes for industry



Flange



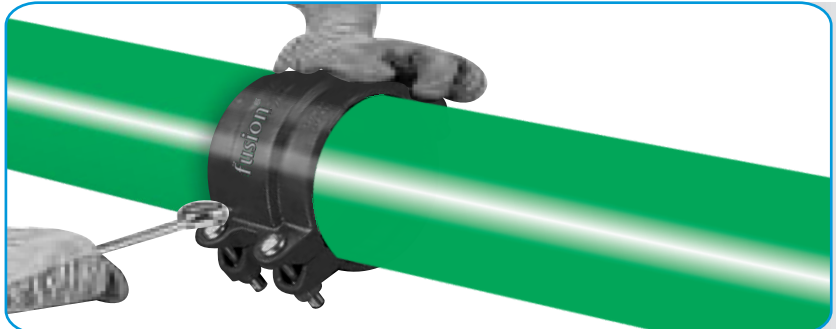
Mechanical Flange Joints



Mechanical Coupling



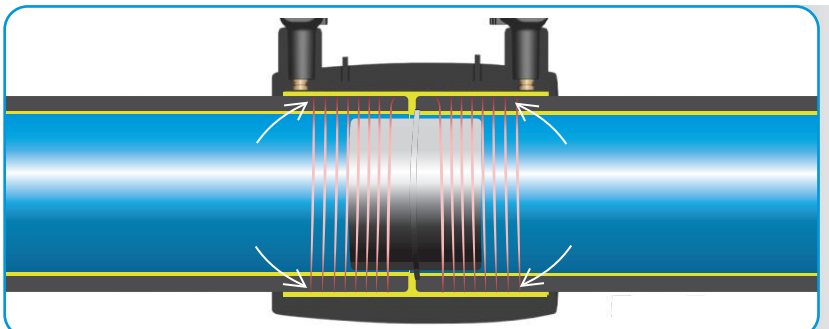
Mechanical Coupling Joints



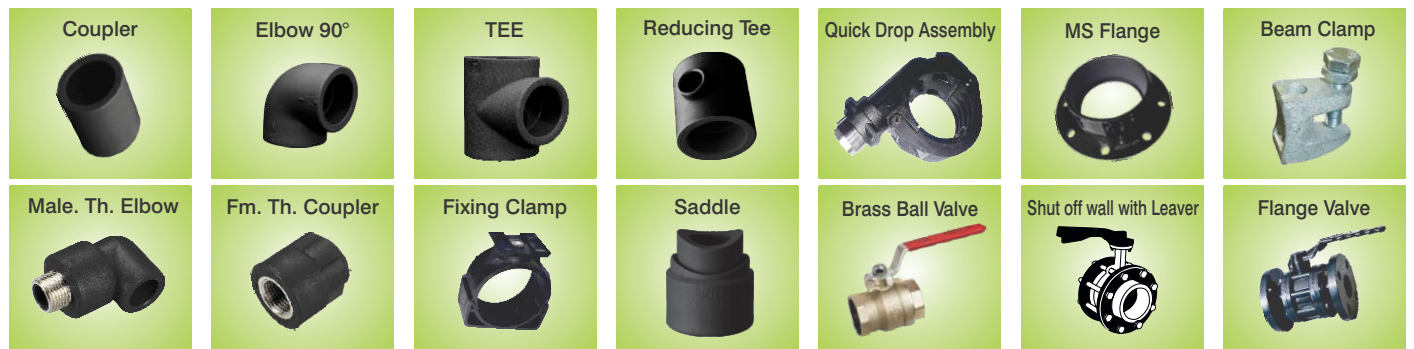
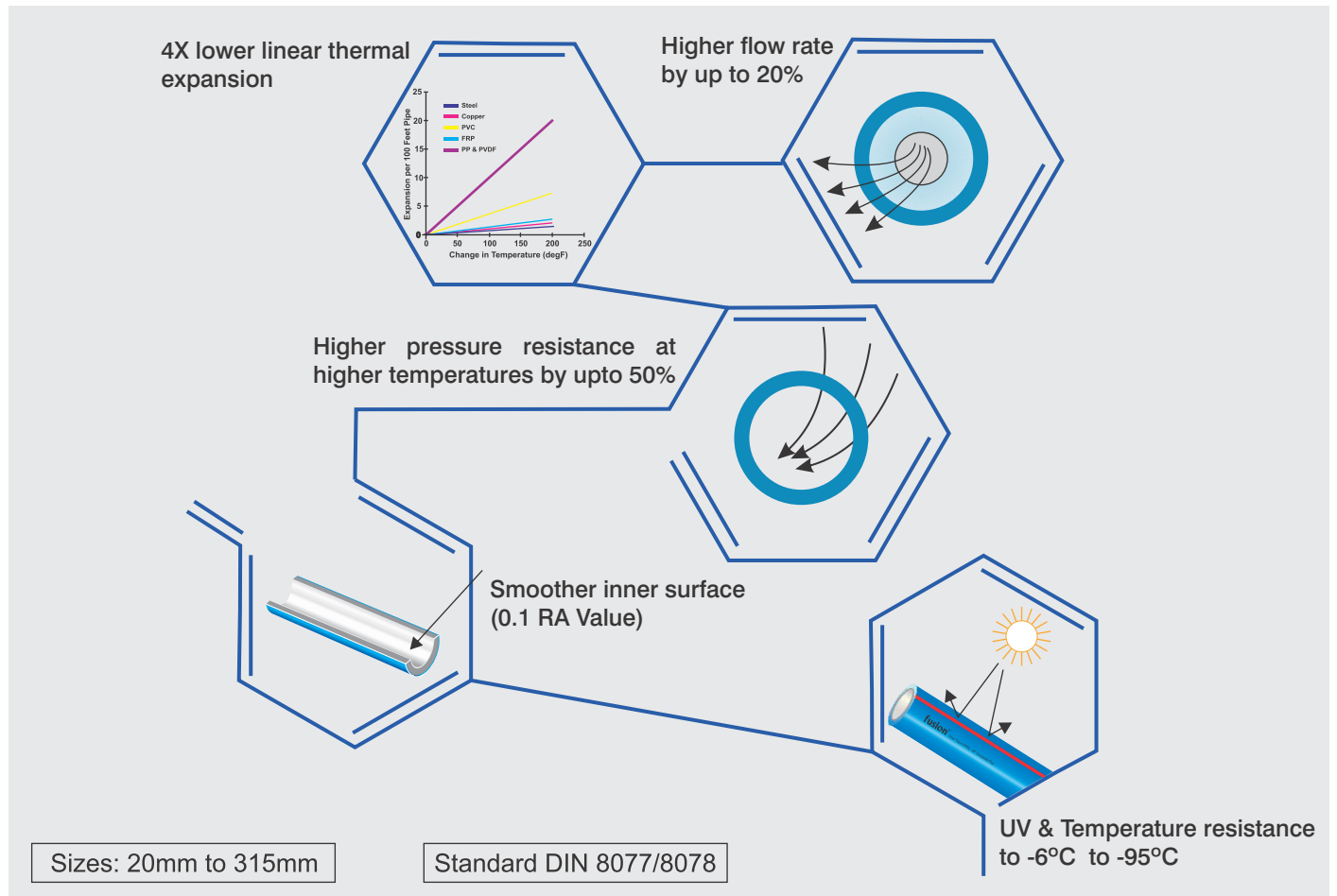
Electrofusion Coupler



Electrofusion Welding Joints



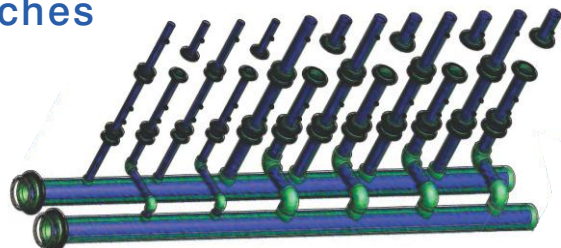
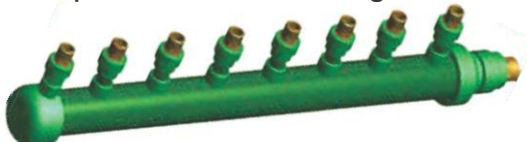
dna of fusion fiber therm



Black fittings are 100% UV resistant

Welded in Saddle System for Branches

We design and construct manifolds as per your specifications/drawings



FUSION INDUSTRIES LIMITED

DELHI/NCR

Corp. Office :
102-105A, 1st Floor, Tower-B1,
Crown Business Park,
12/4, Mile Stone, Near Sarai
Khawaja Metro Stn., Mathura Road,
Faridabad-121003 (Hr.)

HARYANA

Regd. Office :
Plot No. 1 & 4, Block H, NH-2,
(Opp. F.C.I. Godown),
N.I.T. Faridabad-121001
Ph. : +91-129-6900050

DELHI

Mktg. Office :
Plot No. 9, 2nd Floor,
Local Shopping Centre, H & J Block,
(Above HDFC Bank), Sarita Vihar,
New Delhi-110076
Ph. : +91-011-41034620/24/25/80

UTTRAKHAND

Works :
Khasra No. 356, Gagal Hedi Road,
Raipur Industrial Area, Bhagwanpur,
Roorkee-247667, Distt. Haridwar
Ph. : +91-9219403346

M.P.

Works :
Plot No. 78, Industrial Area,
Malanpur, Distt. Bhiind,
Gwalior-474011
Ph. : +91-7539400-016

www.fusionindia.com

Note : All information contained in this manual is given in good faith and believed to be accurate and reliable. But because of many factors which are outside our knowledge and control and affect use of product, no warranty is given or is to be implied with respect to such information, nor we offer any warranty of immunity against patent infringement. No responsibility can be accepted for any error, omissions or incorrect assumptions. Any specification can change without prior notice.