



PPCH

Create Energy by Saving Energy



OTHER PIPES

Small Diameter
Less Flow

PPCH

Bigger Diameter
More Flow

Sole manufacturer of non-metallic air pipes upto 12" diameter

www.anjney.com

About Anjney

Anjney is leading manufacturer of Non Metallic Industrial Pipes and Fittings with a concept of ENERGY SAVING. We are the pioneers of the piping industry since last 22 years. With its experience, R & D and as per its customer's expectation **Anjney** launches new and innovative technologies to market at every decade.

Anjney takes immense pride to present 'The New PPCH FR V2 PNEUMATIC PIPING' in its profile.

This Ingenious technology is a result of meticulous and continuous efforts of our R&D. We, at **Anjney** believe in improvising our existing products for the maximum benefit for our Customers. We settle for nothing less. **PPCH** pipes have been revolutionary upgraded as the New **PPCH FR V2** Pneumatic pipes. This innovation has resulted in **High flow of Air in same diameter of pipe, Flame retardant & UV resistant with provisions in International Coding. Thus, a proven energy saver.**



About PPCH

Anjney Tubes India has been a specialist for developing the **PPCH FR PNEUMATIC** technology, 14 years back. This **Pneumatic Piping for Compressed Air Handling** consists of special grade of IMPACT CO POLYMER, which is reinforced with Glass Fiber Multi-layered advanced technology.

This one of its kind innovation is the result of our persistent efforts to give our clients the highest benefits.

PPCH is consistently serving many companies past 14

years in market with very satisfied clients. Considering the feedback of our clients we, at **Anjney** have come up with a groundbreaking innovation by upgrading on **PPCH** with V2 approved FLAME RETARDANT Technology. It gives a new identification as "PPCH FR V2 PNEUMATIC PIPING."

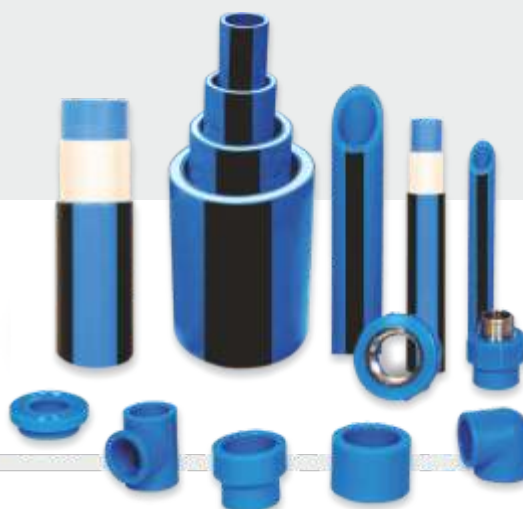
This futuristic innovation has increased hoop stress that leads to increase the inner diameter of the wall of pipes. This results in more flow at a given time compared to other metallic and non-metallic piping technology. It drastically cuts down power leading to energy saving.

Merits of advanced technology and specialized process of PPCH FR V2 pneumatic pipes and fittings

Greater Inner Diameter	Drastic Amount of Power Saving
Smoother Inner Surface (0.1 RA value)	Fine Flow of Air with least friction
Glass Insulation	Least Chances of Moisture Thus "No Maintenance"
Sandwich Glass Reinforcement	Higher Strength, Least Chances of Sagging
UV Resistant	Can Sustain Longer Even in Direct Sunlight
Non Corrosive	Provides Clean Air

The features mentioned of **PPCH FR V2** pneumatic pipes and fittings make it an ideal solution for applications like

- Compressed Air
- Instrument Air
- Nitrogen Air
- Vacuum



Strength of Products

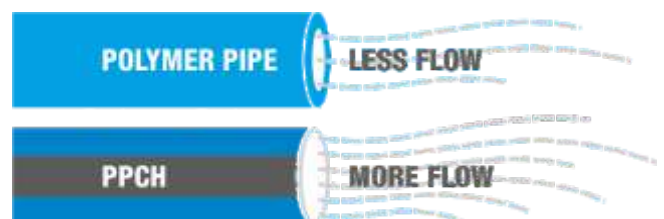
More flow on same diameter pipe by one of its kind - **PPCH Technology**

Innovation at its best

The New **PPCH** pipes are being launched with many new features to benefit than the existing ones. These pipes have blue and black coloured strips. The Blue colour is used as it has international recognition for Pneumatics pipelines, while the Black Layer for being U.V. Resistant.

Save Energy

The raw material used to produce these pipes have 20% more mechanical strength. This reduction in thickness automatically leads to more inner space. Thus, the flow of fluids from the pipes per hour has increased drastically. This acts as a catalyst to save energy.



UV Resistant

Compressed air pipes line is generally installed in open air. The direct UV rays affects the loss in the life of pipes. Considering this, new PPCH pipes has carbon content layer on the outer side of pipe which acts as UV resistant.

Blue strips are for being internationally recognized for Pneumatic colour coding while the black layer for being UV Resistant. We have been able to do it with new and advanced technology.



Flame Retardant

V2 grade approved technology is used to manufacture the pipes which retards the fire spread. We ensure utmost safety in your workplace.



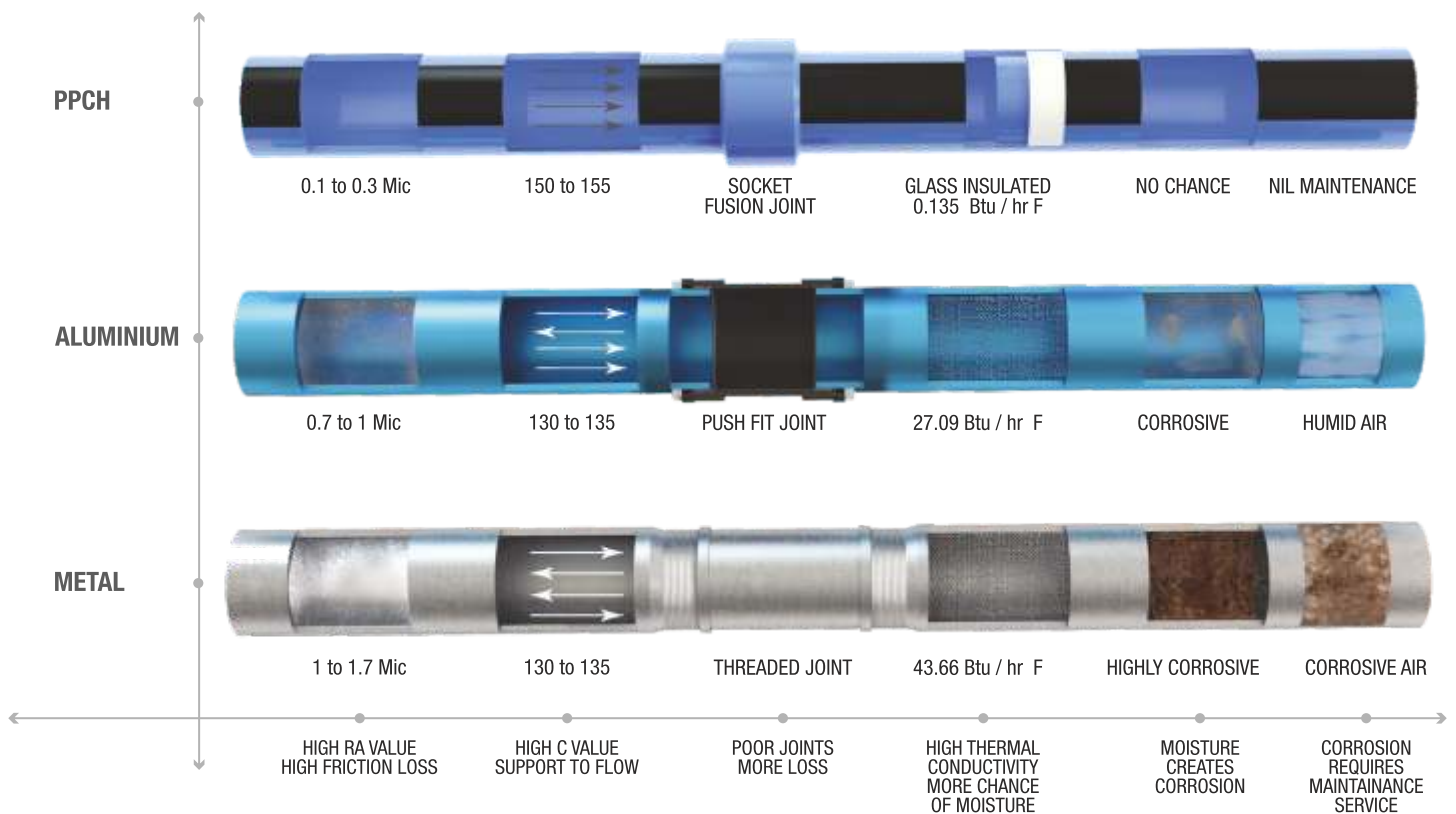
Flame retardant Effect on pipe

Technical Evaluation

This innovated technology of **PPCH** FR V2 pneumatic pipes and fittings is the ultimate replacement for all kinds of compressed air line like metal pipes (GI / MS / CI / SS), plastic pipes (PP / PPR) and aluminum pipes as well.

The ground breaking PPCH technology claims to provide 2% to 5% of energy saving by replacing any compressed airline piping technology.

More clarity with figures to understand how **PPCH** FR V2 pneumatic pipes and fittings can save energy compared to any other compressed air piping solution.



Technical Comparison between PPR / PPRC and PPCH

Technical Parameters	Unit	PPR / PPRC	PPCH	Technical Parameters
Tensile Strength at Yield	MPa	24	26	More Stiffness - Less Chance to Breakage
MRS at 20°C/50 years	MPa	10	12.5	More Strength to Reduce Wall Thickness
CRS at 70°C/50 years	MPa	3.2-3.6	5.93	Give Long Life in High Temperature too
Flexural Modulus	Mpa	800	3000	Least Chance For Sagging thus need Less Support
Design Stress (σ)	Mpa	2.13	4.3	Give Long Life up to 50 years
Life @ Direct Sunlight	Years	2-3	10-20	Carbon contained UV layer gives more life
*LPL (20 Deg C @ 50 Y)	Mpa	10.02	11.97	Ultimate Performance on Low Temperature
*LPL (70 Deg C @ 50 Y)	Mpa	3.2	5.38	Ultimate Performance on High Temperature
Inner Dia OF 63MM - 2" PN16	MM	45	50	Drasting Higher Flow 10% to 15%, support reduce size of pipe or create 6% to 9% Energy Saving compare to PPRC Piping
Inner Dia OF 90MM - 3" PN16	MM	65	72	
Inner Dia OF 110 MM - 4" PN16	MM	79	87	
Inner Dia OF 160 MM - 6" PN16	MM	116	127	

Products

ANJNEY PPCH FR V2 PNEUMATIC PIPES (As per ISO 15874-2:2012)

ANJNEY PPCH Fittings (As per IS 16962 - Part 5 to 10)



PPCH FR V2 Pipe

20 mm to 50 mm, PN16 / PN20
63 mm to 315 mm, PN10, PN16, PN20



Elbow

20 mm to 160mm, PN20



Coupler

20mm to 160mm, PN20



Equal Tee

20mm To 160 mm, PN20



End Cap

20 mm to 160 mm, PN20



Reducer

20mm to 160mm, PN20



Reducing Tee

20mm to 160mm, PN20



Long Radius Elbow

20mm to 63mm, PN20



Core Flange

20mm to 160mm, PN20



Step Flange

20 mm to 160 mm, PN20



Male Threads Joint / 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", PN20



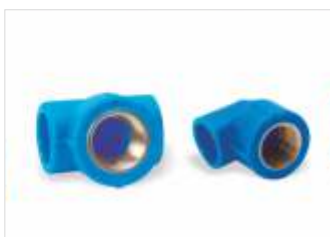
Female Threaded Joint / Adaptor

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", PN20



Elbow 45 deg.

20mm to 160mm, PN20



Female Threaded Tee / Elbow

20mm*1/2" / 20mm*3/4"
25mm*1/2" / 25mm*3/4"
32mm*3/4" / 32mm*1", PN20



Female Threaded Union

20mm*1/2" / 20mm*3/4"
25mm*1/2" / 25mm*3/4"
32mm*3/4" / 32mm*1", PN20



Male Threaded Union

20mm*1/2" / 20mm*3/4"
25mm*1/2" / 25mm*3/4"
32mm*3/4" / 32mm*1", PN20

Special Note: It is advisable to confirm the size of pipes required for any application area.

Our Clients





Create
Energy
by Saving
Energy



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