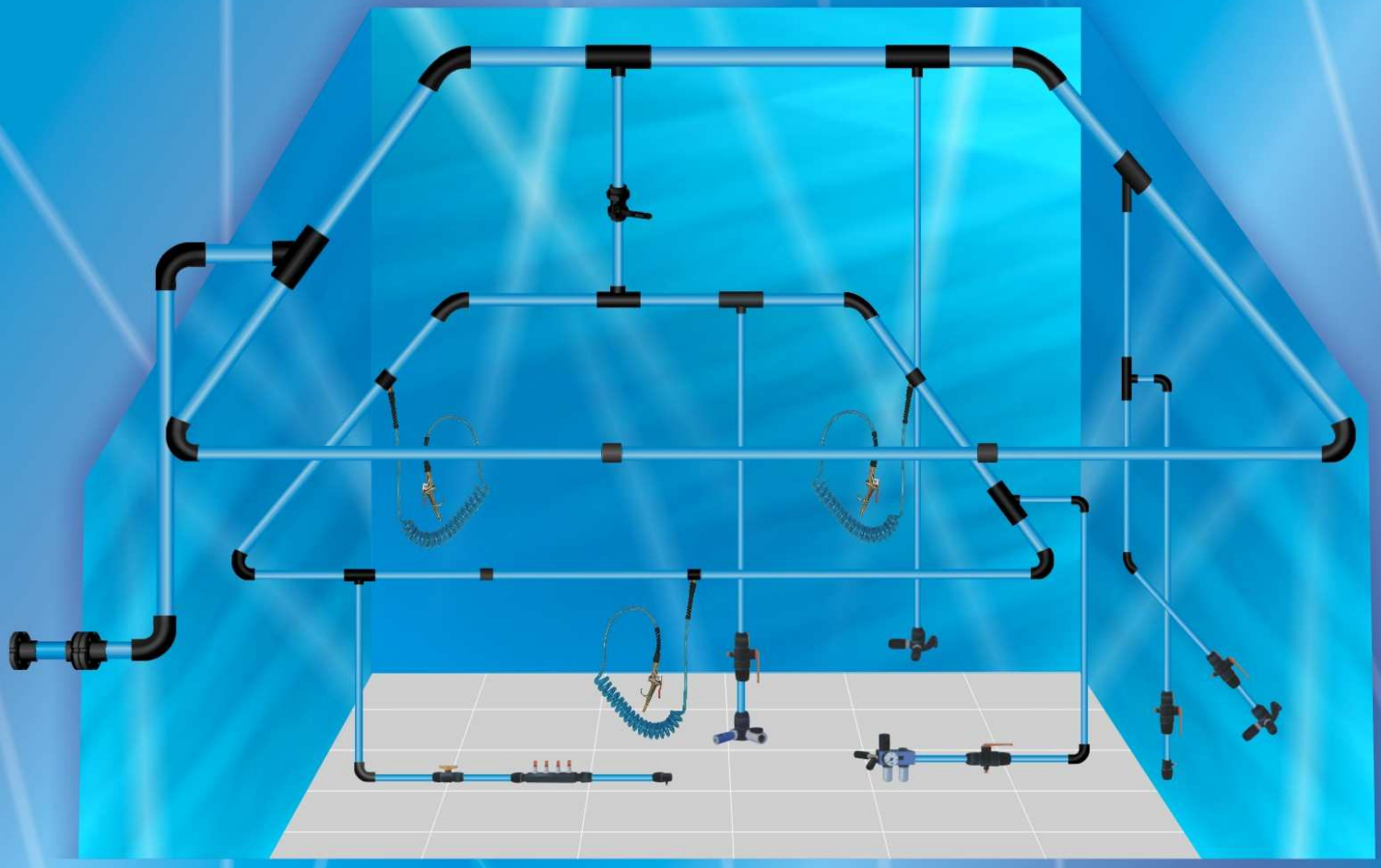
FIRST TIME IN INDIA

fusion® Air-Line Special



fusion® Air-Line Special pipe is light weight, corrosion resistant for compressed air distribution system

think of QUALITY think of **fusion®**

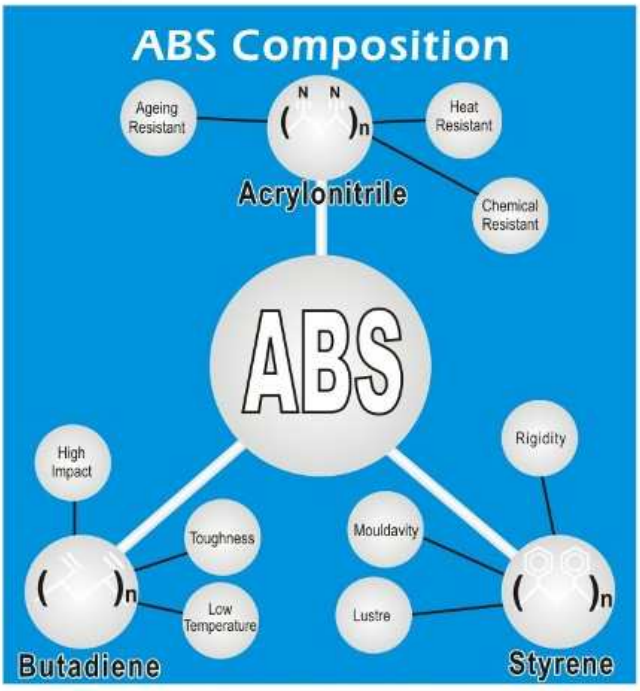
PIPES & FITTINGS

An ISO 9001 : 2008 Certified Company

NABCB QM - 032

www.fusionindia.com
www.fusionppr.com

fusion® Air-Line Special



High Impact Material-ABS Piping System

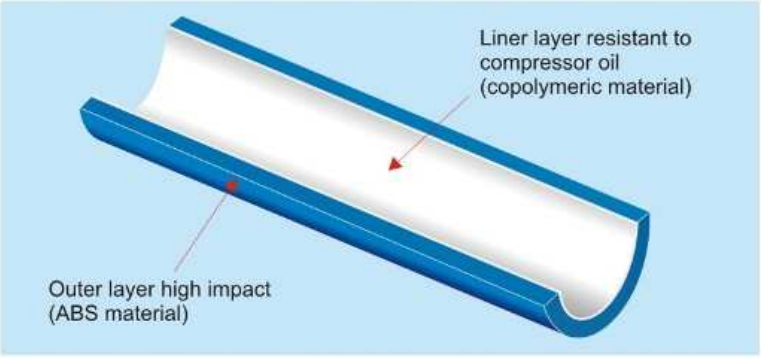
Introduction

We are proud to introduce fusion® Air-Line special pipes & fittings for compressed Air. Modern process equipment, pneumatic controls and instrumentation, however, demand a supply of clean, uncontaminated air and maintenance of the cleanliness of this air, from source right up to the point of use is obviously essential.

The system is designed specifically for the conveyance of compressed air and with its new and unrivalled properties becomes the ideal choice for critical applications. fusion® AIR-LINE SPECIAL KEEPS AIR CLEAN – RIGHT UP TO THE POINT OF USE.

ABS Material

The system of fusion® Air-Line special is made of engineering thermoplastics Acrylonitrile-Butadiene-Styrene (ABS) with a range of performance. Advanced manufacturing techniques allow the formation of a liner layer in the pipe bore. The liner is a high performance co polymeric material which offers extra strength because it is permanently fused with the outer, ABS layer during the extrusion process. It also helps from attack if exposed to some compressor oil Details are available in our technical data. If in doubt always check before installation.



Technical Specifications :

Maximum	16 bar from +20°C to +45°C
Working Pressure	13 bar from +20°C to +60°C
Maximum Working Temp.	From -10°C to +60°C
Storage Temp.	From -40°C to +70°C

Quality

All Pipes, fittings and valves are manufactured in an environment operating a quality system as per ISO 9001 : 2008. As part of this Quality System both raw materials and finished fusion® Air-Line Special products are subjected to rigorous quality control tests. In addition, long term pressure tests together with ageing, weathering and stressed environmental tests are carried out.

Safety

The Butadiene constituents of fusion® Air-Line affords resistance to accidental damage and prevents material fracture if the pipe is subjected to severe impact-even at sub-zero temperatures.

fusion® Air-Line special design life of 30years with a factor of safety of 2:1

Area of use

Downstream from the receiver or after cooler only. fusion® Air-Line must not be threaded.

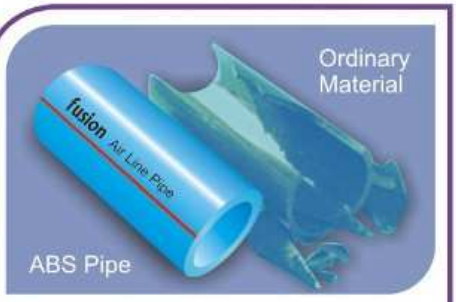
Technical back-up

From manufacture to market and installation place, fusion® Air-Line Special is supported by a team of a specialist support engineers, who are readily available to give its expert advice on any aspect of the product.

Technical Data

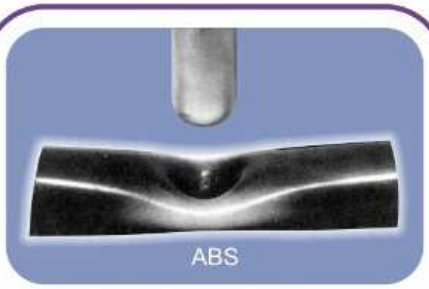
Design and installation with nomogram, maximum recommended flow rates, pressure temperature parameters, compressed air temperature, installation guide and list of compressor oil suitability, all details are given in our technical data (for any other-please consult us).

fusion® Air-Line Special



Fracture Mode

fusion® ABS is a ductile material, and remains ductile down to -40°C. Impact damage is usually confined to scuffs of dents. Insevere Cases there may be ductile tearing of the Material.
In contrast, ordinary pipes are much less Ductile, particularly at temperatures below +5°C, a sufficiently hard impact can cause them to fragment.



Tough, Durable and High-Impact Strength

The butadiene constituent in ABS gives the material exceptional impact strength making fusion® ABS more resistant to damage than many metals or plastics.

Non corrodible clean air system

Modern process equipment, pneumatic control and instrumentation, however, demand a supply of clean, uncontaminated air from source right up to the point of use is obviously essential.

Application :

- Plant Air
- Food and beverage - CO_2 delivery
- Ventilation
- Valve action

Wide Range of Applications

The advanced liner and ABS material combination protects against stray chemicals which may sometimes cause problems for ordinary systems.
fusion® Air-Line is now compatible with even more compressor lubricants.

fusion® Air-Line Special is corrosion-resistant and features metal-to-ABS special adaptor fittings, single and multi-port wall brackets, high-efficiency dropper bends and blue colour-coding for easy identification.

Advantages :

- Clean Air : The smooth, hygienic liner is impressively clean when new and cannot rust, corrode or form loose scale. Clean air remains clean throughout the life of the system.
- High Flow : Smooth bore provides less friction and high flow.
- Quick Joint : No threading required-jointed by cold solvent welding.
- Leak free system : Leakage cannot occur from a correctly made solvent welded joint.
- Self coloured and maintenance free : fusion® Air-Line Special is blue colour coded to comply with the ISO standards for compressed air products.
- Low Cost : Better product & cost saving.

Compressed Air Piping System

Air Piping System

fusion® Air-Line Special

fusion® ABS Piping System | Sizes: 17mm to 110mm (½"to 4") | Standard AS 3518





Flange


Coupler


Bush


Reducer


Elbow 45°


Elbow 90°


Flange Silipon


Dropper Bend


Tee


Reducing Tee


End Cap


Union


Fusion Air-Line Special Pipe

Fusion ABS Primer

Fusion ABS Solvent Cement

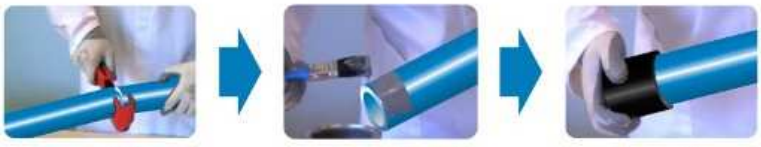
Jointing System :- Cement Solvent Weld Jointing

Jointing Procedure :-

- Clean and Dry Pipe and Fitting ID with clean dry cloth.
- Apply MEK Cleaner before jointing to initiate chemical reaction.
- Apply Cement Immediately after fusion ABS Primer.
- A full even layer of cement to the OD of pipe and ID of fitting.
- Give Pipe a quaterturn and push till socket bottom, hold and remove excessive cement from the exterior.

fusion® piping system for other applications

- Fusion PPR pipes & fittings for hot & cold water.
- Fusion PPR flange pipe for submersible pump.
- Fusion HDPE pipes & fittings for irrigation & industries.
- Fusion ABS pipes & fittings for hot & cold water.
- Fusion mechanical coupling for jointing HDPE & PPR pipe.


Step 1 Step 2 Step 3

Sales Office :

YEEKAY TECHNOCRAT PVT. LTD.

Plot No. 1 & 4, Block H, NH-2, N.I.T. Faridabad, Haryana, India
Ph. : 9310763523, 9310263523, 0129-4090800, Fax : 0129-4090888
Website : www.fusionppr.com, E-mail : contact@fusionppr.com