



FAQ's with Prihoda India....!!

1. How has been the journey in India so far?

We are a medium-large Czech company manufacturing first-class textile ducting and diffusers for air transportation and distribution. We do not manufacture ducting by the meter but provide custom-made solutions. Our work is based on high technical quality and knowledge of air flow properties and air distribution. Our company is in the small industrial city of Hlinsko in the middle of the Czechia. From there, and from our subsidiaries in China and Mexico, we send our products to tens of countries on all continents. We work closely with a network of trained sales agents, who are part of the unit called the "Přihoda Family". The company, which was established in 1994, is still owned and managed by its founder **Mr.Zdeněk Přihoda**.

Prihoda s.r.o had invested quality time since 2015 in this market to understand the market needs, applications & operational challenges etc. After clear understanding they decided to have dedicated office in India to serve market in better way...and **Prihoda India established on 24th May 2018 in India having Head office at Kharghar, Navi Mumbai**

We deliver over 6,000 projects to 70 countries worldwide every year and 99% of these contracts leave on the exact deadline we confirmed. We work with professional transportation companies and we monitor the consignment until it is delivered to the customer.

Prihoda products are usually acting as both supply air ducting (air transfer) as well as air distribution/diffusion into the occupied zone. We supply both types of system, (1) positive pressure distribution systems (supply air) and (2) negative pressure (extract /return air) ducting for exhausting air from the rooms.

2. What about insulation and condensation issues in fabric ducts?

- Prihoda fabric does not requires Insulation. Use of permeable fabric eliminates the risk of water condensation on the surface of the ducting which eliminates requirement of insulation.

PRIHODA INDIA PRIVATE LIMITED

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3. What is Permeability of fabric and how it eliminates risk of condensation?

Permeability of fabric is a measure of the ability of a porous material to transmit air through fabric. Permeable fabric ducts are ideal preventing the formation of condensation on the duct surface and providing uniform low velocity air supply simultaneously.

Condensation occurs when supply air temperature is below dew point and often lead to the growth of moulds and bacteria, which create health risks in the place of work.

Permeable ducts eliminate condensation on the duct surface by creating an “air film” around the duct. Permeable fabric ducts are best suited for areas which have high probability of condensation such as food processing plants or swimming pools.

4. How is air distributed through fabric ducts?

Distribution of air is done exclusively using holes (perforation or micro perforation or a combination of both) and adjusted holes (nozzles, pockets). Our product portfolio also includes non-permeable materials, which are often useful in other situations.

5. Can fabric ducts withstand Fire?

We have fabrics with fire resistance properties with class A, Class B, Class C. Suitable fabric can be used according to use of application. Our unique materials are certified for fire resistance in accordance with **EN 13501-1** (in various classes depending on materials) and **the American UL 723**. Our company has a certified quality management system in accordance with ISO 9001 and an environmental management system in accordance with ISO 14001. Prihoda’s fabric diffusers also obtained an Oeko-Tex certificate. The PMI/NMI/PMS/NMS fabrics are certified to European standard EN 13501-1 with excellent results. In this test our fabrics achieve **B-s1, d0** classification, which means

1) B - Class of fire resistance

2) s1 - “S” Smoke emission during combustion, “1” Quantity/speed of emission absent or weak

3) d0 – “d” Production of flaming droplets during combustion, “0” no dripping

In addition, We have Glass (NHE) fabrics in fact meet **class A** requirements.

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6. How hygienic are fabric ducts?

Our textile ducts are only ducting system that can be thoroughly cleaned by washing with an optional use of a disinfection, addition to that our textile duct also comes with **Anti-bacterial coating**. We utilise a special treatment which guarantees that no bacteria can survive if settled on to our fabric Premium (PMI/NMI) and Durable (NMR). **This treatment remains effective after multiple washing**. Tests for the European standards found that after TEN washes there was no reduction in the efficacy of the treatment. This allows us to offer a 10-year warranty on the basis of our minimal maintenance requirements (see the following point).

7. How Cost effective are fabric ducts than traditional GI ducting?

The traditional ducting comes with GI sheets, Grills, Diffusers, Insulations, Dampers, branching, supports etc.. All these can be addressed more effectively with our Fabric ducting by comprising all with CFD analysis. Transportation is also comparatively cheap thanks to the low weight of our products and the fact that they can be folded into small boxes.

8. What is the typical area of application for fabric ducts?

Applications compile of vast area and fields (all indoor) - Food, engineering, automotive, chemical and textile industries, warehouses, schools, restaurants, temporary installations, freezing plants, kitchens, sport facilities, fitness centres, swimming pools, supermarkets, cinemas, theatres, tv studios, offices, laboratories, hospitals, clean areas, greenhouses, painting shops, transportation vehicles, stables, chicken hatcheries etc..

9. What is the installation time and mounting material required?

Our Fabric ducting is very easy to install as compare to traditional ducting. All mounting materials are provided along with Fabric Ducting. Easy representations on **You tube videos** and training makes our installer relax and complete the work in stipulated time frame. We can save the overall installation time up to 50%

<https://www.youtube.com/watch?v=fQsjOqbA7mY>

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10.What is the Prihoda Art Technology?

Our fabric Prihoda Art technology gives our textile diffusers a new aesthetic dimension. They can become an interesting part of every interior. We can produce fabric diffusers and air ducting in **any Pantone colour, with any pattern, photograph, picture, logo or sign, regardless of how complex they are.** Its Art & Science together in our fabric ducting technology.



11.What about your unique software for designing the ducting?

Our team of experienced Engineers uses in house customized **Air Tailor software** which comprises of **AutoCAD, Revit & CFD tools** to create a custom-made design for air distribution according to the customer's wishes and the layout of the area. We easily consider unusual requirements a challenge and we propose our product as a solution on those! This helps us to provide **Air flow profiles, sound level details and exact view of ducting** for better understanding...

12.How durable are the fabric ducts?

Our Textile duct are available in both permeable and non-permeable options, suitable fabric can be selected depending upon heat load and RH content of surrounding. Our Textile ducts are with up to **10 years warranty** on fabric material and are washable. The fabric ducting and diffusers can be cleaned perfectly by laundering in a washing machine. The frequency of maintenance depends on the environment and on local hygiene standards. We have executed a detailed procedure for washing and cleaning the diffusers and can recommend suitable products on request.

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13.Does fabric duct contribute to green building technology?

Yes For the green building projects we have PMSre/NMSre fabrics (PMSre/NMSre fabrics are constructed with 100% post consumed recycled polyester fabric, derived from plastic water bottles)

Fabric duct contribute to green building technology in below ways also

- Improved indoor air quality.
- Reduced material waste from less packaging. (generating less shipping cost to end user)
- less energy and gas used to move the ducts from our factory to the job site i.e reduced energy consumption during shipping.
- Lessened jobsite waste because PRIHODA is customised tailor made product & not required on site trimming or cutting that's associated with metal ductwork.
- Eliminated off-gassing that's associated with metal duct paint & coating.
- Less installation time compared to metal duct (In given project we have completed installation in one day)
- More efficient than metal duct in terms of air distribution according to CFD

14.What If fabric duct gets cut?

This depends upon the severity of the cut ; If the cut is small we have a patch kit to mend it and if it is bigger than 25cms which cannot be mended by patch it then entire module of 5 meter can be changed; Our entire ducting is composed of max 5m interconnected duct modules.

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