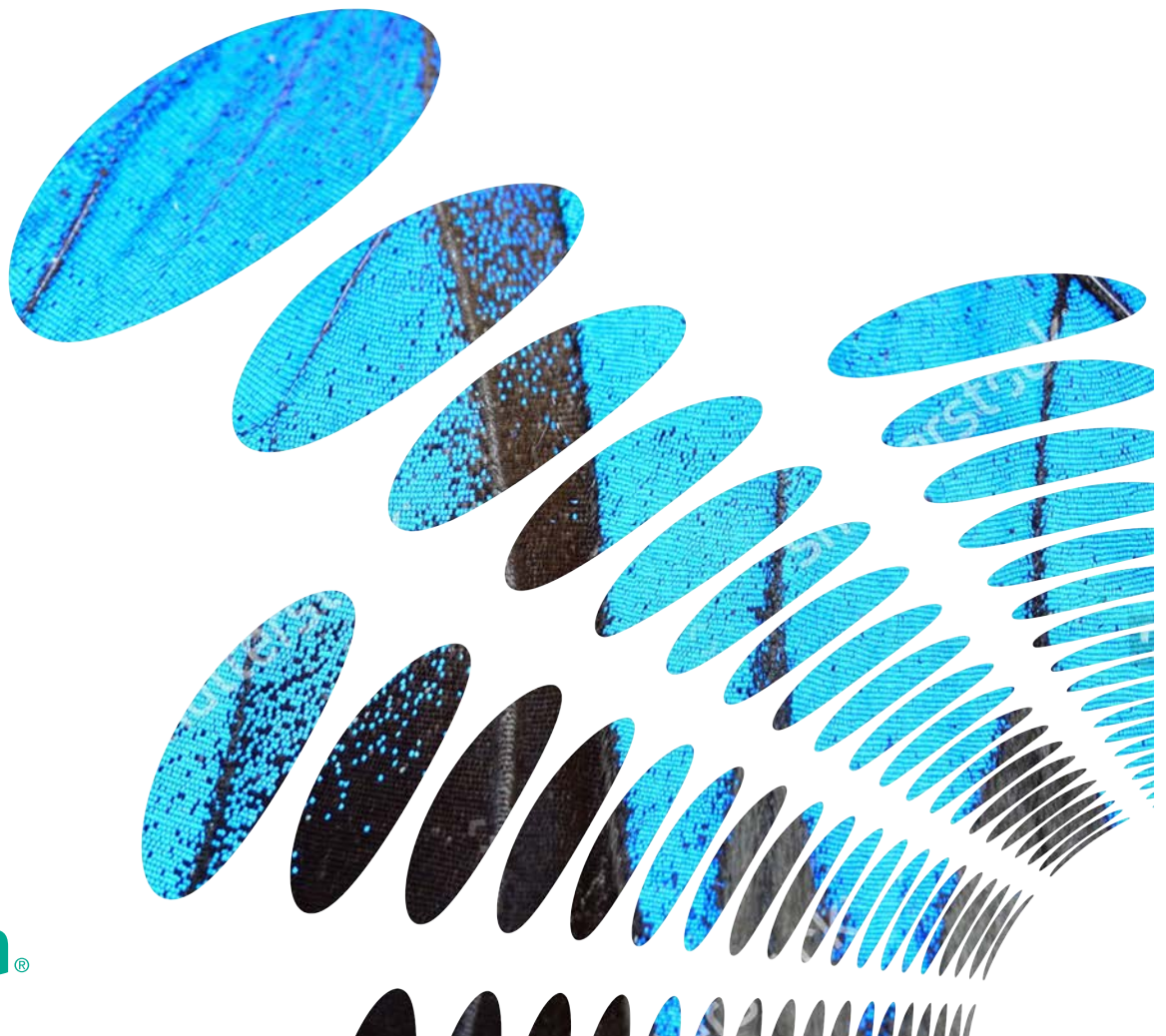


FABRIC DUCTING & DIFFUSERS

English version



ABOUT US

Established in 1994 in Hlinsko, Czech Republic, Prihoda has grown to become a global leader in the design and manufacture of tailor-made fabric ducting and diffuser systems. Employing the most advanced manufacturing processes in our ISO 9001/14001 facilities along with industry-leading design capabilities, we provide the highest quality, best engineered solutions for textile air dispersion applications.

OUR STRENGTHS

Innovation

Our talented and dedicated team of research and development engineers working in state-of-the-art laboratories continually push the boundaries of fabric air distribution devices to provide innovative and effective solutions. Microperforations, rectangular duct systems for negative-pressure/return applications, and lay-in fabric diffusers for suspended ceilings are just a few of the patented advances we have contributed to the industry.

Reliability and precision

Every year we deliver thousands of custom designed and manufactured duct systems around the world. Advanced manufacturing processes combined with highly efficient workflow systems allow us to maintain a standard production lead time of 3 weeks—with the capability to provide expedited manufacturing on many orders in 1 week.



Zdenek Prihoda, founder and company director



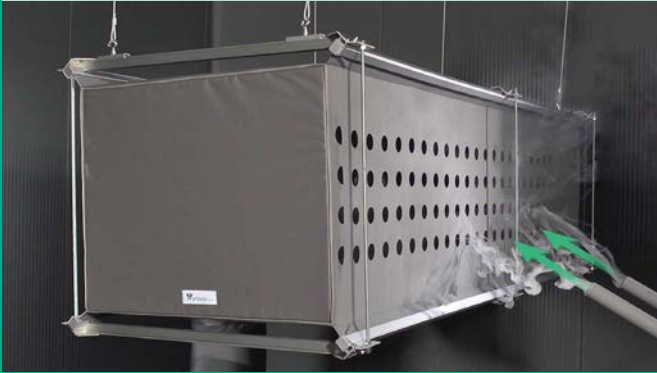
PATENTED SOLUTIONS

Decades of engineered air distribution experience and cutting-edge R&D have resulted in several patented technologies and innovations (PP=Príhoda Patent).

PP

NEGATIVE PRESSURE (RETURN) DUCTING

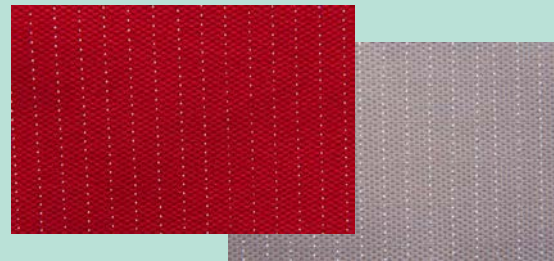
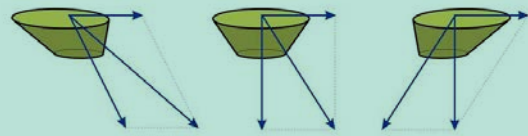
Our patented tensioning structure enables us to manufacture rectangular ducts which can be used for negative pressure (return) applications.



PP

MICROPERFORATION

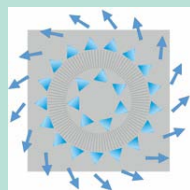
Directional holes with a diameter less than the thickness of the fabric are a design patented by Příhoda s.r.o. They provide a number of advantages when used for surface air supply at low speed.



PP

SQUAIRETEX®

Expanding the benefits of fabric ducts to suspended ceiling applications, SquAireTex lay-in fabric diffusers offer a creative and functional alternative to traditional metal diffusers.



FABRIC NOZZLES

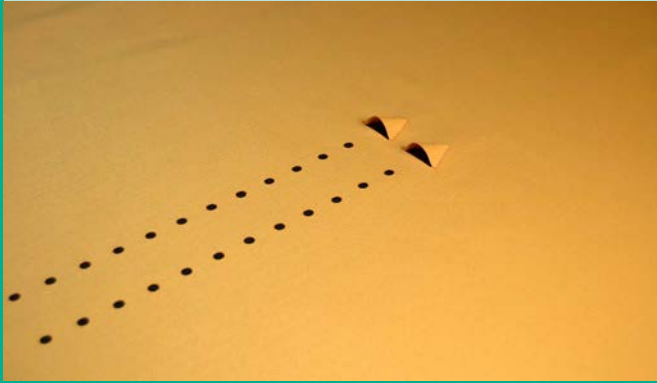
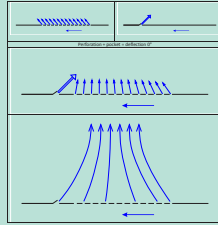
Ultrasonically welded nozzles made from the duct material provide increased throw distances while maintaining both the aesthetic and fire-resistant integrity of the duct system unlike traditional plastic nozzles that will not match the duct color and will not have the same high fire resistance of our engineered fabrics.



PP

ANTI-DEFLECTION POCKETS

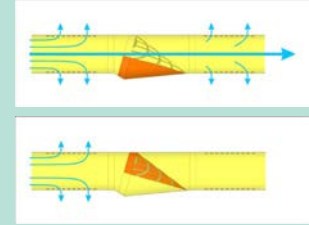
Used strategically along rows of perforations to correct flow deflection associated with high velocity dispersion through perforations.



PP

FABRIC DAMPER

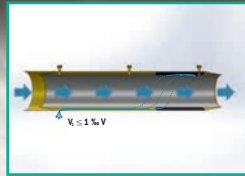
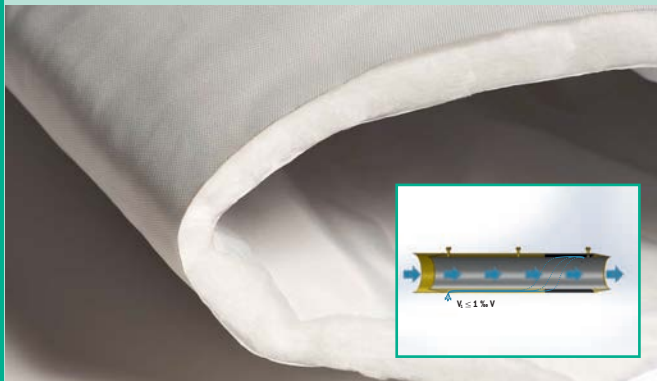
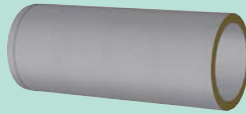
The first fabric damper on the market is used to temporarily close off a branch or part of a duct.



PP

DOUBLE-WALL AND INSULATED DUCTS/SOUND ATTENUATORS

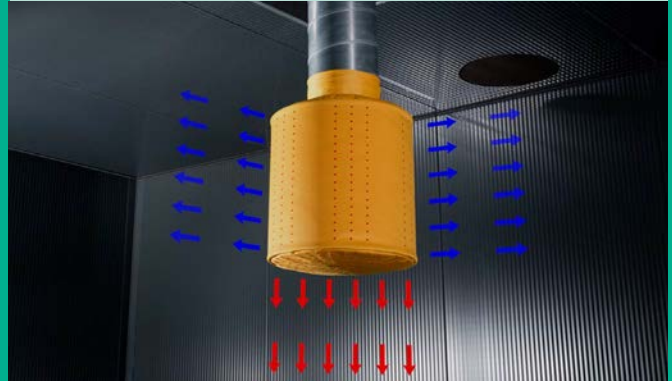
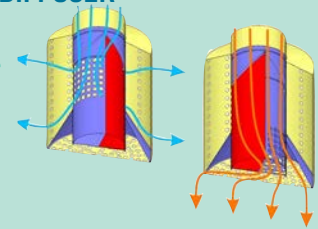
To prevent condensation from forming on the surface of the duct and to cut heat or cooling loss, we manufacture both double-wall and insulated ducts. Insulated duct sections in a system are also effective sound attenuators.



PP

DUAL-MODE LANTERN DIFFUSER

High-volume diffuser incorporating an innovative fabric membrane for optimum distribution patterns and efficient air distribution in both heating and cooling modes.



CUSTOM COLORS AND LOGOS

In-house textile printing technology allows us to supply duct systems in any color as well as printed with custom logos, advertisements, or patterns.



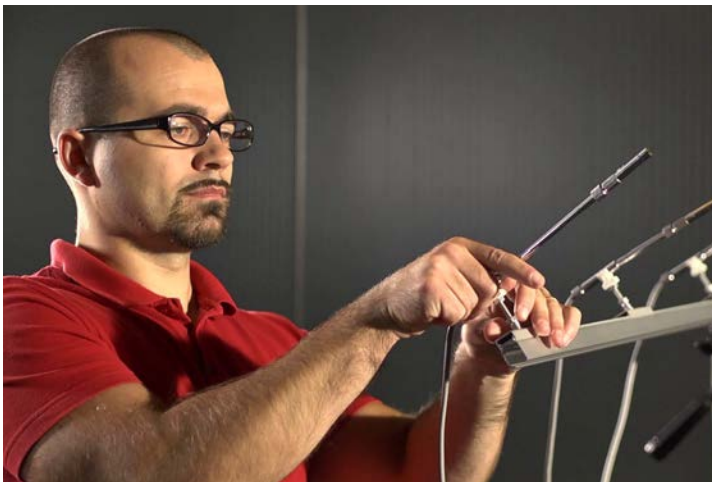
TECHNICAL EXPERTISE AND TECHNOLOGY

TECHNICAL EXPERTISE

Our knowledge and experience with engineered air distribution systems is unmatched in the industry. Our experienced engineers working with the latest in CFD software constantly push the boundaries of air distribution to find more and better solutions. Modeling is then tested in our state-of-the-art laboratory where system parameters of flow, pressure, velocity, and sound are evaluated to ensure precise distribution for optimum system performance.

FABRICS AND TECHNOLOGY

Prihoda Fabrics are precision engineered textiles designed specifically for air distribution systems. UL/ULC listed for fire resistance, our fabrics are available with interwoven carbon fibers for static charge dissipation, anti-microbial nano-silver coating for hygiene critical applications, and are woven using endless polyester fibers making them suitable for use in cleanrooms to ISO 4. Powerful Air Tailor design software, innovative construction methods, and relentless attention to detail combine to provide the highest quality, best performing textile air dispersion systems available.



WHY TEXTILE AIR DISPERSION?

Easy maintenance

The performance and aesthetics of textile air dispersion systems are easily maintained by periodic laundering in commercial washers.



Quick, simple installation

Only 20 % of the installation time and labor of metal duct!



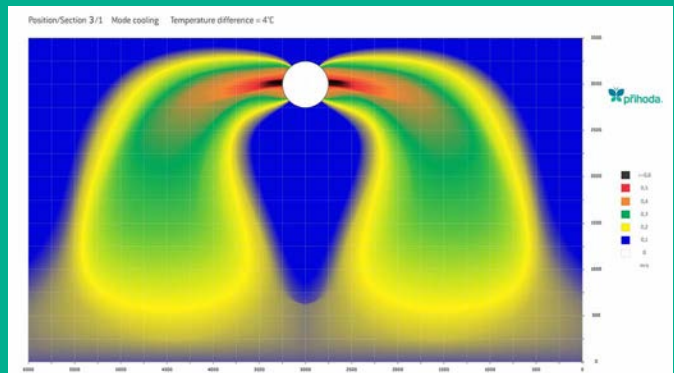
Custom Aesthetics

Unique textile printing technology allows systems to be printed in any color, with any image or pattern.



Precision air distribution

Fully customizable air distribution guarantees optimum system performance and occupant comfort.



Significant cost savings

Tailor-made textile dispersion systems reduce the material and installation costs of duct systems by as much as 70% compared to metal.

Lightweight

Less than 5 % of the weight of sheet metal!

Durable

Highest quality materials and construction ensure long service life.

The Art and Science of Air Dispersion



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855-PRIHODA