

**MB
GROUP**

Manifolds



ABOUT US

MB Group is a family-owned manufacturing enterprise with over 20 years of automotive experience, ranking among Europe's top four producers of pneumatic fittings. Operating globally through MB Pneumatyka in Poland and MBP PVT in India, we specialise in safety-critical, precision-made fittings for all pneumatics systems, including braking and air suspension systems in trucks, trailers, agricultural vehicles, tractor trailers, and buses.

Components where reliability is non-negotiable.

Rather than offering standard catalogue components alone, we provide customised engineering solutions tailored to individual client requirements. We work together with our customers on their pneumatic layout to provide a tailored solution that is both lighter and more cost-effective.

Where the world's largest pneumatic manufacturers require years to develop a custom component, we can take a concept to a finished prototype in as little as 7 working days. Our commitment to quality is backed by IATF 16949:2016 certification, the international standard for automotive supply chains.

Our product range includes pneumatic push-in fittings, distribution manifolds, modular plastic manifolds, test points, drain valves, and polyamide tubes.



WHY PARTNER WITH US

Message from the Founder

The question I ask of every decision, would we be comfortable if our client could see exactly what we are doing and why?

MB Pneumatyka was established in 2002. For over two decades, this company has built its reputation on a single, consistent principle: quality matters most when no one is watching.

I have led this business since the beginning. In that time, the industry around us has changed enormously - supply chains have globalised, margins have compressed, and the pressure to cut corners has never been greater. Our answer to that pressure has not changed. The question I ask of every decision is the same one I have always asked: would we be comfortable if our client could see exactly what we are doing and why? That is not a rhetorical question in a supply chain, where shortcuts rarely surface until something goes wrong on the road.

We are not the largest manufacturer in this industry. We do not aim to be. What we offer is something larger manufacturers struggle to match: the agility to take a client's engineering problem and return a working solution in days, not years. Every fitting we make goes into a pneumatic system like braking system or an air suspension. Every one of them must work, every time, under conditions that include extreme cold & heat, road vibration, and corrosive road salts over hundreds of thousands of kilometres.

This catalogue is a record of what that commitment produces. We hope it earns your confidence.

Małgorzata Bieniaszewska Founder, MB Pneumatyka

WHY PARTNER WITH US

IATF 16949 & 100% Leak Testing Protocols

MB Pneumatyka holds **IATF 16949:2016** certification - the standard for the automotive supply chain. This mandatory requirement for Tier 1 and Tier 2 manufacturers is a threshold that the majority of local Polish competitors do not meet.

STATISTICAL PROCESS CONTROL (SPC)

Quality is built in, not inspected in, through documented Poka-Yoke error prevention.



RIGOROUS QUALITY VALIDATION

Rigorous quality validation and testing protocols compliant with AIAG, SAE & ISO standards.



AUTOMATED SERIAL PRODUCTION

Repeatability across high-volume supply.



SAFETY-CRITICAL RELIABILITY

Zero-defect philosophy in fittings for braking and suspension systems.

Sample test results for push-in fittings:

Static Leakage	≤3.5 cm ³ /min across all temperatures
Dynamic Leakage	≤4 cm ³ /min at -40°C; ≤1 cm ³ /min at -20°C / 0°C; ≤0.5 cm ³ /min at +20°C and above
High Temperature	No damage; leakage ≤0.5 cm ³ /min at +20°C
Vibration Resistance	No external damage; leakage ≤0.5 cm ³ /min at +20°C
Corrosion Resistance	No corrosion affecting function; leakage ≤0.5 cm ³ /min
Tube Pull-Out Force	Pull-out force exceeds minimum tube retention force under all operating conditions

WHY PARTNER WITH US

In-House R&D and Testing Labs

CONCEPT TO PROTOTYPE IN 7 DAYS

PROBLEM

Standard prototyping cycles at Tier-1 suppliers take months or even years. This "bureaucratic drag" and reliance on external hand-offs delay your time-to-market.

CAPABILITY

- We produce complex geometries in one setup, eliminating time lost to multi-machine recalibration.
- Design, validation, and production are co-located in MB Pneumatyka Headquarters. We don't wait for external CAD approvals or third-party engineering.
- As a family-owned business, we bypass the multi-level sign offs. Our "ready-to-act" culture treats prototyping as a core service, not an interruption to production.

GUARANTEE

Concept to finished prototype in as little as 7 working days. The same process can take months or even years at larger, less agile pneumatic manufacturers.

FIT-AND-FORGET RELIABILITY

PROBLEM

CV braking systems face extreme cycles (-40°C to $+80^{\circ}\text{C}$), constant vibration, and corrosive salts over lives of 1M+ km.

CAPABILITY

- Climate chambers (-40°C to $+105^{\circ}\text{C}$),
- Salt spray chambers (480h ISO 9227),
- Vibration rigs (5g, 10-150 Hz).

GUARANTEE

Every MB Pneumatyka fitting is validated across the full operating envelope before release to production.

TRUSTED PARTNER OF

EUROPE



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