

Performance Power.



NORRES
BAGGERMAN

Leading Performance.

Availability. Durability. Reliability.

**High-tech hose systems
for the highest demands.**



Leading Performance – Our key to your success.

The Norres Baggerman Group is one of the world's leading manufacturers of industrial high-tech hose systems. For more than 135 years, we have combined experience with innovation – becoming synonymous with technological excellence, uncompromising quality, outstanding service and solutions that deliver in practice.

Our hoses are used across a wide range of key industries: from agriculture and construction to food and pharmaceuticals, plastics processing, mechanical engineering, the automotive industry and the energy sector. If reliable processes are what you need, then we are part of your solution. With state-of-the-art manufacturing technologies, deep market insight and a commitment to sustainability, we develop products that are consistently aligned with our customers' requirements.

Leading Performance is both our daily drive and a binding promise: we deliver the performance that makes our customers more successful – through excellent products, uncompromising quality, 360° service, partnership-based support, and a reliable supply chain.

Our core competencies – The foundation of our performance.

-  **Widest range of products:**
The right solution for every application: as the market leader in portfolio diversity, we provide a unique selection of products that meets even the most specific requirements.
-  **Uncompromising quality:**
Durability and reliability in every product ensure investment security and reduce costs throughout the entire lifecycle.
-  **360° service:**
Bespoke advice, customised solutions, assembly services, digital interfaces, training – our 360° service makes procurement easier, more efficient and more convenient.
-  **Personal support:**
We deliver more than just products – we provide answers, solutions and practical assistance to make our customers' daily work easier.
-  **Smart supply chain:**
With flexible delivery options, global logistics, fulfillment services and high storage capacities, we ensure reliable supply – anytime, anywhere.

One-stop shop for maximum performance.

As a one-stop shop, we offer a unique complete range: hoses made of PU, PVC, TPE, PE, EVA, silicone, metal and rubber – complemented by perfectly fitting connection systems. This means our customers get fully compatible solutions from a single source – all tested in a quality you can rely on.

The result:
Maximum performance in every application – from standard products to tailor-made solutions.

Global strength with a local touch.

With 400 employees, six production sites and 13 sales offices, we have a global presence – while staying close to our customers. This proximity ensures short distances, fast reactions and strong delivery capability.

Our three-stage sales concept via technical trade partners ensures nationwide availability, competent technical advice and reliable warehousing – both in the spare parts market and in OEM partnerships with customised logistics solutions.

Value propositions that count.

Our customers benefit from binding commitments – for greater planning certainty, reduced downtime risk and genuine added value in day-to-day operations:

Reliability.	Durability.	Availability.
We deliver on our promises: products, deliveries and processes that you can rely on.	Our robust solutions reduce your operating costs over the long term and ensure stable processes.	We deliver when it matters – with speed, flexibility and reliability.

Customer benefits that make the difference.

Our value propositions make an impact where they matter most – in everyday collaboration. That's how you experience Norres Baggerman:

- **Competent** – with experience, advice and expertise.
- **Fast** – with short response times and high delivery capability.
- **Reliable** – with binding commitments and reliable processes.
- **Uncomplicated** – with a pragmatic and solution-focused approach.

 Place your trust in a partner who keeps their promises – and turns them into real benefits: competent, fast, reliable, and uncomplicated. For more security, less effort, and greater peace of mind in your daily business.



More information. More service. More efficiency.

Everything at a glance – the new service portal for maximum performance.

With our new web portal, we bring together all products, services and information on one central platform. Your personal control centre for maximum efficiency in day-to-day business – clearly structured, powerful and available around the clock.

Login area:

Individual dashboard:

Favourites, order history, stock levels, order and delivery status: everything at a glance.
— Clear overview – more transparency.

Self-service around the clock:

Quotes, invoices, certificates, price lists or orders available at any time.
— No waiting times – immediately available.

Smart hose configurator:

Configure hoses, connection technology, assembly type and service items in just a few steps.
— Perfect fit – ready for immediate use.

Faster customer service:

Centralised data speeds up the processing of your enquiries.
— Shorter response times – fewer queries.

Digital collaboration:

Secure data exchange via EDI (Transus) & BMEcat.
— Greater process reliability – less effort.

Data sheets with your logo:

Technical documents and certificates in your corporate design on request.
— Professional appearance – with no extra effort.

Public sector:

Modern design, intuitive operation:

Clear navigation and modern UX design ensure quick orientation.
— Easy to use – quick results.

Central platform – everything in one place:

Products, accessories, services and documents – consolidated in one system.
— Better overview – fewer clicks.

Up-to-date product information – available anytime:

From product details and documents to images: always up to date and available at any time.
— Maximum reliability for your decisions.

Intelligent product finder:

Smart filters, clever search functions and accessory suggestions guide you straight to the right product.
— Quickly found – perfectly combined.

24/7 availability – on all devices:

Whether desktop, tablet or smartphone: access anytime, anywhere.
— Maximum flexibility – you decide when and where.

Uncompromising. Tested. Certified.

Top-level quality for durable and safe hose solutions.

At Norres Baggerman, quality is more than a promise – it's a daily practice. We have spent decades developing hose solutions that perform reliably under even the toughest conditions. At six locations and on 60 production lines, we create products that set global standards – the result of experience, engineering expertise and an uncompromising commitment to quality.

Durable. Resilient. Safe.

Our hoses are designed for maximum industrial performance, whether in continuous operation, under extreme stress or in sensitive industries such as food and pharmaceuticals. Your benefits:



Maximum service life:

Less maintenance, reduced downtime, lower costs.



Industrial-grade strength:

Reliable performance, even under extreme conditions.



Certified safety:

For example, UL, EU 1935/2004.



Highest hygiene standards:

More than 30 independent food-grade certificates.

A systematic approach to quality – in our products and processes.

Behind every metre of hose lies double the assurance: firstly, from our in-house testing laboratory, where materials and load limits are continuously tested, and secondly, from our certified quality management system, which documents every step from development to delivery. This way, quality becomes systematic, not coincidental.

Verified quality – from hoses by the metre to complete solutions.

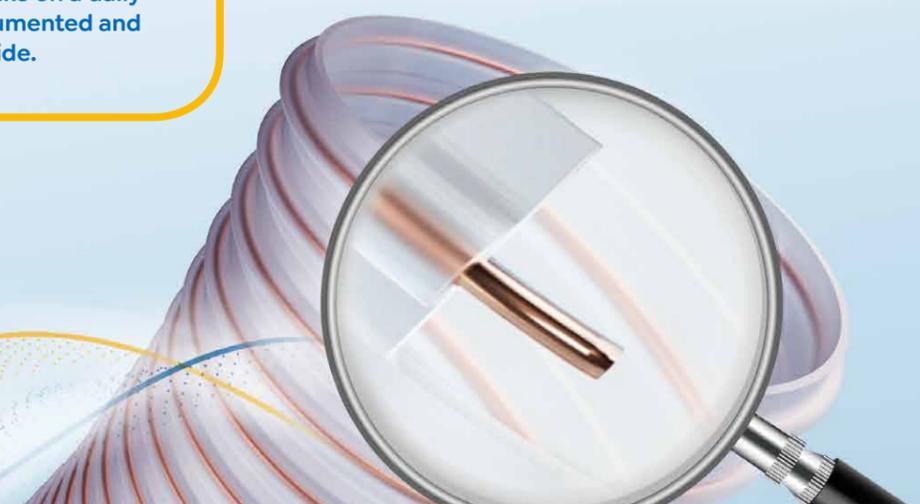
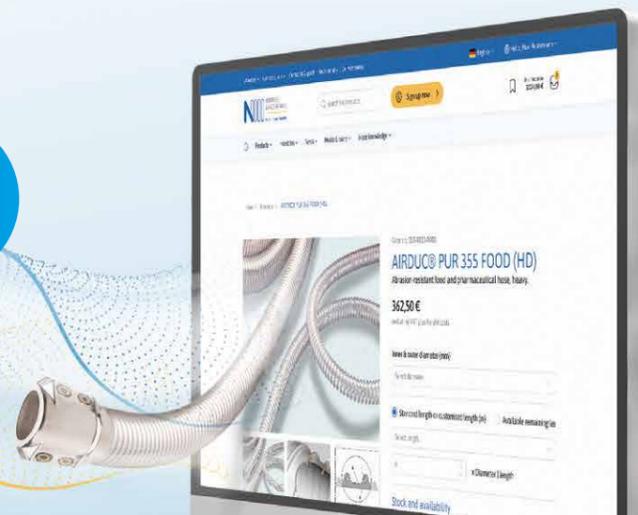
Whether you need single hose lengths or fully assembled systems, you always receive a finely tuned, high-quality product. Certified components and stringent testing ensure reliability, compliance with standards and maximum operational safety.



Rely on a partner who demonstrates what quality looks like on a daily basis – tested, documented and recognised worldwide.



The new service portal makes Norres Baggerman your digital partner – simplifying your daily business with fast information, smart tools and full transparency.



Maximum variety. Highest quality. Perfect solutions.

The most comprehensive hose range for the highest demands.

Norres Baggerman offers one of the broadest portfolios of industrial hoses on the market – designed for the reliable transport and extraction of a wide variety of media. Twelve construction types and a unique diversity of materials ensure that every hose is precisely tailored to its purpose – from robust conveying hoses to highly flexible specialist hoses. More than 20 patents underline our innovative strength, most notably the AIRDUC® hose, which has established itself as the benchmark for profile

hoses. Our strength: the combination of materials and design expertise, deep industry knowledge and state-of-the-art manufacturing.

The result: Durable hose systems that make processes more efficient, minimise downtimes and offer real investment security – Leading Performance in every detail.



Material variety

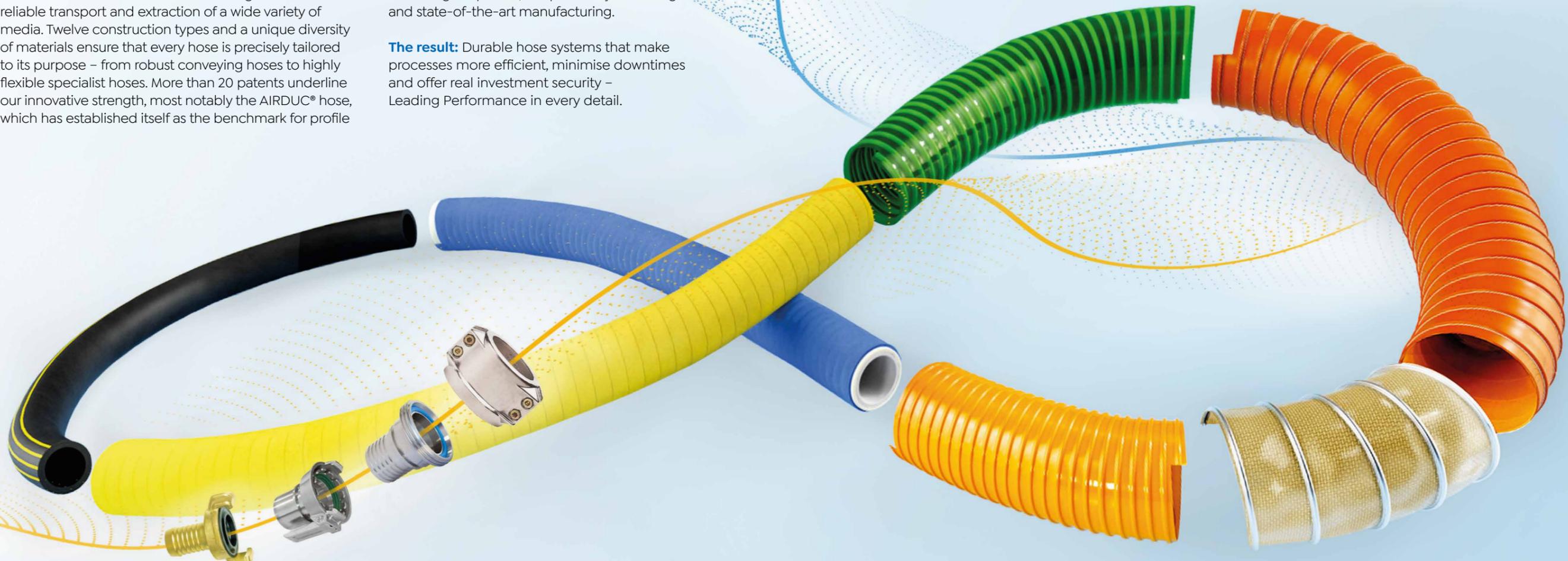
PVC, PU, TPE, PE, EVA, rubber, silicone and metal

Material variety:

For an industrial hose to perform reliably, the material must perfectly match the application. That's why we offer solutions made from PVC, PU, TPE, PE, EVA, rubber, silicone and metal – each with specific properties that determine chemical, thermal and mechanical resistance and thus influence the durability, safety and reliable transport of diverse media. This ensures you always have the optimal material foundation for your requirements.

Pre-PUR® – our premium polyurethane

Our specially developed high-performance polyurethane Pre-PUR® stands for maximum abrasion resistance, exceptional flexibility and outstanding durability – for hose systems that deliver reliable performance even under the toughest conditions.



> 150,000
product variants

Product variety:

With more than 150,000 product variants – from standard products to customised solutions – we guarantee maximum choice. Combined with perfectly fitting connection systems, you receive everything from a single source: safe, reliable connections that perform perfectly.



12
design variants

Construction variety:

The design also determines a hose's performance. With twelve design variants – from foil hoses and profile hoses to all-plastic and extruded variants – we cover virtually every technical challenge. Each construction is specifically designed to meet mechanical requirements such as flexibility, kink resistance, pressure and vacuum stability, or abrasion resistance. In combination with the right material, this results in finely tuned solutions that safeguard processes, minimise downtime and extend the service life of your equipment.



Agricultural industry



Plastics industry



Shipbuilding



Food & Pharmaceuticals



Energy



Agricultural industry



Construction industry



Wood industry



Mechanical engineering & Robotics



Automobile industry



Chemical



Plastics industry

Hose constructions at a glance.

Product line	Construction description	Material variants	Key features
AIRDUC®	Profile extruded spiral hose with wire reinforcement.	PU, PVC, TPE, PE	Very abrasion-resistant, flexible, pressure/suction-resistant
NORPLAST®	Full-plastic hose with hard plastic spiral.	PU, PVC	Lightweight, dimensionally stable
NORFLEX®	Axial extruded hose with/without fabric.	PU, PVC, SIL, PTFE	Very flexible and abrasion-resistant, lightweight, pressure-resistant, anti-static, temperature-resistant
PROTAPE®	Film and fabric hose with wire reinforcement.	PU, TPE, PVC, PE, ALU-PVC, ALU-PES	Very light, highly compressible, vibration-damping
ARMOFLEX® / BARDUC®	Smooth plastic hose with wire reinforcement.	PU, PVC	Extremely abrasion-resistant, temperature-resistant, highly resilient
CP	Clamping profile hose with single or multi-layer fabric with supporting spiral.	PU, PVC, PE, Hypalon, Viton, PTFE, silicone, aramid, kapton	Flexible, dustproof, chemical and/or heat-resistant
WELLFLEX®	Plastic hose with seamless plastic wall and internal exposed wire reinforcement.	PU, PVC	Highly flexible, liquid-tight
PRO_AIR®	Membrane tube diffuser with perforated membrane with or without support body.	PU, EPDM	Easy and quick to install, very fine and uniform bubble pattern, durable
ISODUC®	Multi-layer film hose with different insulation materials.	PVC, ALU-PES	Insulated, flame-retardant, sound-absorbing, antibacterial
Flat hoses	Flat hose with and without fabric reinforcement.	PU, PVC, elastomer, rubber	Space-saving thanks to flat roll-up design, high tear resistance
Metal hoses	Metal strip hose with hooked profile and seal.	Stainless steel, galvanised steel	Temperature-resistant, extremely mechanically resilient
Rubber hoses	Rubber hose with/without fabric or wire reinforcement.	Elastomer, rubber	Extremely pressure-resistant, versatile, abrasion-resistant

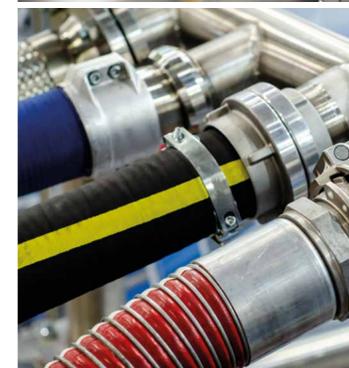
Industries & applications at a glance.

Industry	Typical applications	Suitable Norres Baggerman products
Agricultural industry	Slurry spraying, irrigation, silo trucks, aeration, high-pressure spray hose for crop protection products, individual compost, irrigation, conveying and vacuuming of grain, seeds, fertilizers, animal feed, dairy and dairy products	NORPLAST®, COSMO®, AIRDUC®, ARMOFLEX®, AGRIFLAT, ARIAFORM®, DIN®, HEDUFLEX®, AIRFLEX® PU®, INDUCORD®, CARBOFLEX®, SCIROPPPO®, NAFTOIL BUNA, CALORFORM, EUROLON®, DELTAFLEX®, TRICOTECH®, MILKCORD®/SP, CORRUFLEX/BUNA
Aquaculture	Transport of water and fish, aeration and supply of fresh water, emptying of basins and ponds	NORPLAST®, HEDUFLEX®, COSMO®, ARMOFLEX®, BARDUC®, PRO_AIR®
Automobile industry	Extraction system, parts conveying, transport of liquids, powders, gases, plastics, cooling systems and oils, compressed air supply, industrial furnaces	SUPERCHEM®, CARBOFORM®, RADIACORD®, AIRBRAKE, NORFLEX®, AIRFLEX®, PROTAPE® TPE, CP HYPALON, CP ARAMID, CP HITEX, metal hoses, stainless steel hoses
Construction industry	Rooftop gravel application, concrete/screed conveying, construction waste transport, compressed air supply, water supply, building ventilation, construction drying, suctioning, building climate control	BETONCORD®, TURBOCORD®, flat hoses, AIRDUC®, NORPLAST®, ANTIABRASIVO®, SUPERELASTICO, CORRUFLEX, NAFTOIL BUNA, TURBOFLEX®
Chemical	Chemical conveying, exhaust gas extraction, hoses at loading facilities, paint extraction, paint mist extraction, conveying of chemicals, liquids and gases, loading and unloading, filling and dosing technology	AIRDUC® PUR, PROTAPE®, CP PTFE, CORROSIV®, SUPERCHEM®
Energy	Cooling system, cable and wiring protection, media transport, cleaning systems, transportation of liquids, vapour, pellets, chemicals, gases, extraction of smoke and gas	SUPERCHEM®, CORROSIV®, PYROFLAT®, metal hoses, NORPLAST®, ANTIABRASIVO®, SCIROPPPO® AIRDUC®
Horticulture / Irrigation	Irrigation, roof drainage, recirculation	Flat hoses, DELTAFLEX®, TUBIMAR®, ARMOFLEX®, TRICOTECH®, AIRDUC®
Wood industry	Dust and particle extraction, timber drying, transport of air, gases, wood chips, pellets, cooling and lubricants, impregnating agents	TIMBERDUC®, AIRDUC® PUR, PROTAPE®, NORPLAST®, metal hoses, AIRFLEX®
Air conditioning & refrigeration	Heating, ventilation, air/coolant ducting, extraction of gases, vapours and dusts	AIRFLEX®, CP PE, PROTAPE®, ISODUC®
Municipal technology	Leaf collection, extraction vehicles, disposal, sweepers and cleaning machines	VAPORCORD®, AIRFLEX®, TURBOFLEX®, SILOCORD®, AIRDUC®, PROTAPE®, NORPLAST®
Plastics industry	Granulate conveying, drying, dust extraction, metering, filling and emptying of silos and vehicles, material transport, air-based temperature control, water-based cooling	AIRDUC® PUR, NORPLAST® PUR, PROTAPE® PUR, CARBOCORD®, SUPERFLEX® PUR, ARMOFLEX®, BARDUC®, SILOCORD®, NEO, CALORFORM, TEMPERFORM/RED
Food & Pharmaceuticals	Transport of liquids, powders and solids, dosing & filling, vacuum and pressure applications	MILKCORD®, SCIROPPPO®, PROTAPE® PUR, SUPERFLEX® PU FOOD, VAPORCORD®, CP PUR
Ventilation & Extraction	Ventilation, fumes/dust/exhaust gas extraction	AIRDUC® PUR, CP TPE, VAPORCORD®, VENTILATIONE®, PROTAPE®
Mechanical Engineering & Robotics	Cable protection, coolant supply, extraction and conveying of dust, chips or gases, material transport, energy supply, air supply	INDUCORD®, PYROFLAT®, DELTAFLEX®, ROBAFORM®, VENTILATIONE®, AIRFLEX®, NORFLEX® ROBOTIC, PROTAPE®, NORPLAST®
Recycling / Disposal	Suction vehicles, waste disposal, suction/disposal vehicles	VAPORCORD®, RADIACORD®, ANTIABRASIVO®, AIRDUC®, NORPLAST®
Cleaning industry	Vacuum cleaners, sweepers, cleaning machines, industrial vacuum cleaners	AIRDUC® PUR, PROTAPE® PUR 301 AS, SCIROPPPO®, CP TPE, NIPLAFLEX®, ROBAFORM®
Shipbuilding / Rail Vehicles	Fume extraction, ventilation, chemical lines, cooling	SUPERCHEM®, metal hoses, PYROFLAT®, ARMOFLEX®, AIRDUC® RAILWAY
Process engineering	Sandblasting, dosing, screening machines, granulate drying	ANTIABRASIVO®, SUPERCHEM®, CARBOFLEX®, PROTAPE®, AIRDUC®, PROTAPE®, TURBOFLEX®, TURBOCORD®, SMI®

The examples listed only show a small part of our range of applications. Our hose solutions are successfully used in numerous other industries and applications.

Properties

Abrasion resistant	Pre-PUR®	Treadable/traversable	Internal smoothness	Partially coloured	Highly flexible	Microbe-resistant	Food-safe	Gas	Dust	Liquid	Solid
Flame retardant	AS EL Antistatic/Conductive	Torsion-free	Pressure resistant	Dimensionally stable	Flexible at low temperatures	Oil resistant					

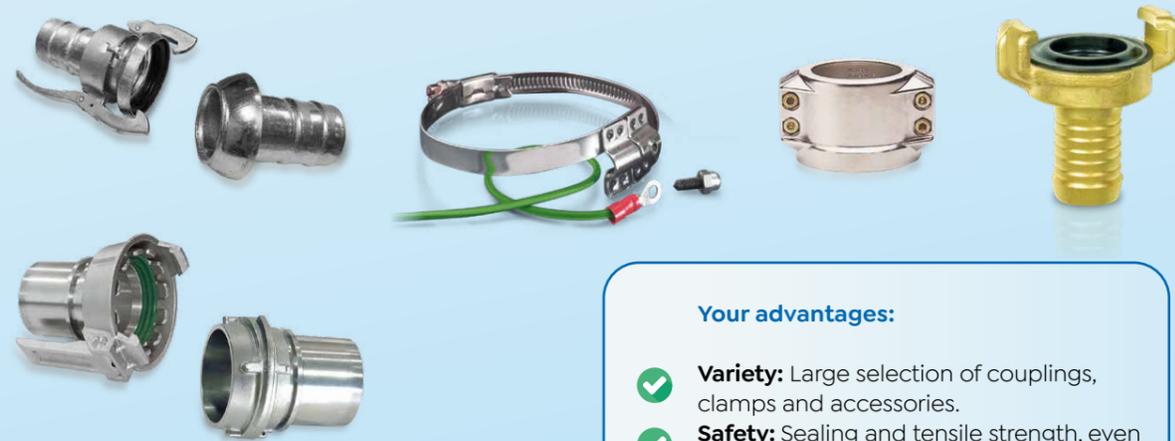


The perfect connection – Connection systems tailor-made and secure.

The connection points between hoses and existing systems are among the most sensitive challenges in an application. Even under extreme conditions, connections must remain permanently tight and resilient. The perfect interaction of hose and connection element is crucial for this: a permanently secure connection can only be achieved if the nozzle geometry, hose and type of integration are precisely matched to each other.

Norres Baggerman offers you a comprehensive portfolio of connection systems for all hose variants – from fittings, clamps and accessories made of various materials to customised special solutions. Our systems are robust, easy to install and designed for maximum tightness. This prevents leakages, increases operational reliability and ensures smooth processes.

Whether you need individual components or fully assembled sets, we provide the right solution for your application. The option to have our couplings and connection systems already completely assembled saves you time and effort during installation. You get a complete system from a single source – precisely manufactured with perfectly matched components and tested on request.



Your advantages:

- ✓ **Variety:** Large selection of couplings, clamps and accessories.
- ✓ **Safety:** Sealing and tensile strength, even under the most demanding conditions.
- ✓ **Comfort:** Easy installation, reduced downtimes.
- ✓ **System competence:** Hose and connection technology from a single source.

**NORRES
BAGGERMAN**
Leading Performance.

Comprehensive. Competent. Solution-focused.

360° service that raises the bar – tailored precisely to your requirements.

Service is not an add-on at Norres Baggerman, but an integral part of our service promise. We accompany you from the first inquiry to the finished solution – and beyond. This creates a service that creates real added value.

Advice & Support – Expertise you can rely on.

- Needs analysis & product selection for optimal solutions
- Framework agreements for plannable processes and security of supply
- Individual product specifications
- Data sheets in the customer's corporate design

Digital services – Efficiency through smart interfaces.

- Service portal with 24/7 access to delivery times, orders and documents
- EDI & BMEcat interfaces for automated data exchange

Individual hose solutions – Precisely tailored to your application.

- Adjustment of diameter, length, colour, materials, and more
- Individual marking and printing
- Development of customer-specific solutions

Cutting and assembly service – To your exact specifications.

- Precise cuts to your required length
- Pre-assembled hose systems including connection systems
- Test certificates

Additional services – Knowledge, dialogue, inspiration.

- Exclusive training & workshops for your teams
- Marketing support: from photos to brochures in your branding
- Partner events & networking opportunities



Benefit from a comprehensive service package that supports you in your day-to-day business, makes your processes simpler and more efficient – and offers you a genuine partnership on equal terms.



Personal. Worldwide. Always there for you.

Your direct line – Anywhere and anytime.

At Norres Baggerman, support means that we never leave you on your own. Whether it's your first call, you need quick assistance, or you're deep in a project that demands precise solutions – you always have direct contacts who listen, understand and take action.

Our experts are easy to reach, technically skilled and solution-oriented. From the inquiry to the consultation and implementation, we support you as an equal partner. Because every project is unique, we listen carefully and develop solutions that really help you. Thanks to our global network, we are wherever you need us – reliable, close by and committed.

That's support with real added value:

• Direct contacts:

No queues, no anonymous call centre – you speak directly with specialists who understand your project and speak the language of your industry.

• Fast response times:

Time matters. That's why you receive prompt answers and practical solutions.

• Technical expertise:

Benefit from decades of experience in hose and connection technology.

• Tailor-made solutions:

Standard is not always enough – together we develop customised concepts for the perfect fit.

• Global support – locally available:

With our international presence, we are close to you worldwide ensuring the same dependable service – everywhere.



We are at your service whenever you need us – personal, fast, and straightforward.

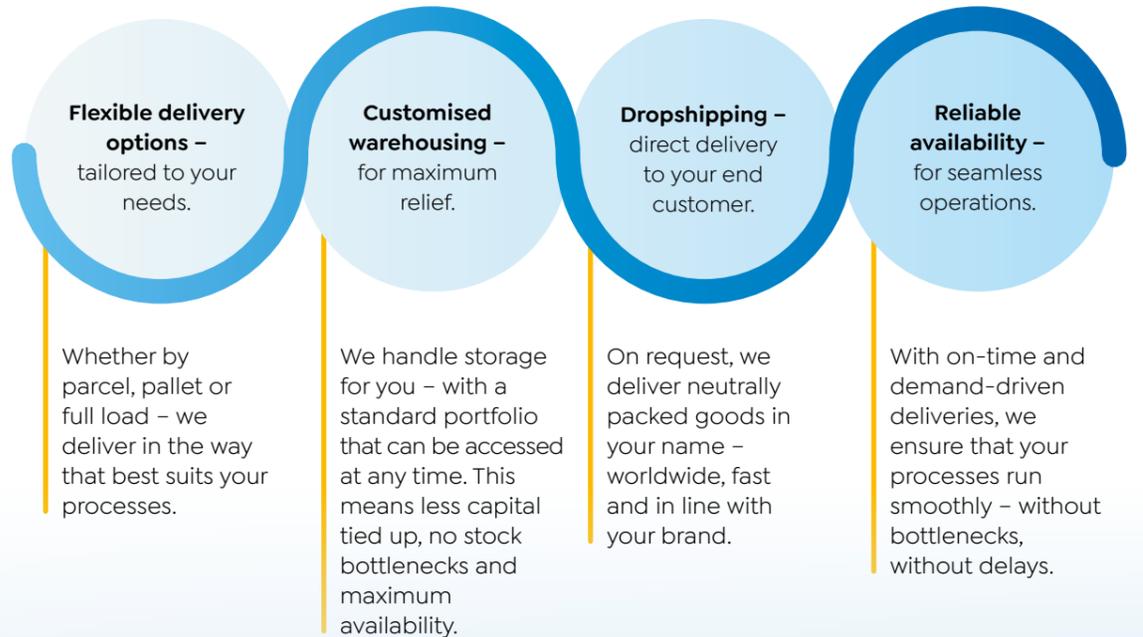


Faster. More reliable. Flexible.

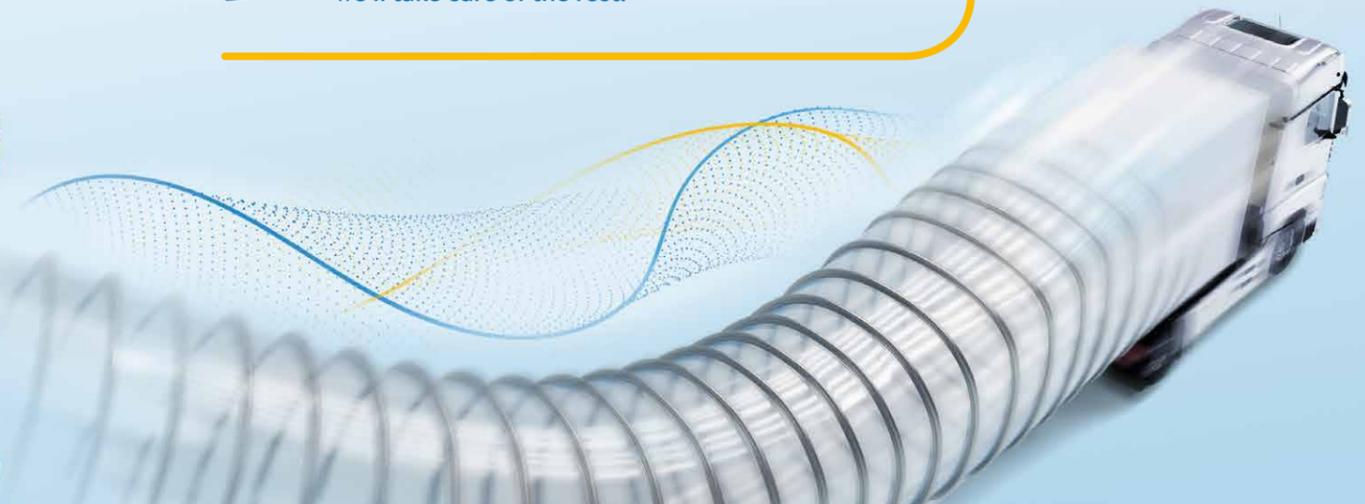
Performance that delivers – quickly and precisely, whenever and wherever you need it.

With Norres Baggerman, you get more than just smart solutions – you receive a comprehensive supply chain and fulfilment package that makes your operations noticeably easier. Instead of using warehouse space or managing complex logistics, we deliver exactly when you need it – flexibly, reliably, demand-driven and worldwide.

Smart supply chain for greater efficiency:



Reliable availability, less effort and tangible relief in your daily operations. Focus on your core business – we'll take care of the rest.





NORRES
BAGGERMAN

Leading Performance.

Your partner for high-quality hose systems.

Norres Baggerman Group: Global presence. Local support.

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