TransDev®
THE POWER IN MOTION

THERMOPLASTIC HOSES

transdev.co.uk

EUROPEAN QUALITY

WIDEST PRODUCT RANGE

INDUSTRIAL & COMMERCIAL APPLICATIONS

Continental

Thermoplastic Hoses

TransDev is now offering Continental's extensive range of Thermoplastic hoses. Continental boasts extensive expertise in processing Rubber, Metal, and Thermoplastics. Their two Thermoplastic hose European production sites feature 130 production lines, 200 extruders, and 20 presses, with a daily output of around 450,000 metres.

Thermoplastic Hose

- Thermoplastic is any extruded Plastic Hose
- General industrial for air or liquid transfer
- Normally used under pressure or vacuum
- Reinforcement can be:
  - Braided
  - Spiral (Plastic or Metal)
  - Both braided and spiral
- Thermoplastic is cheaper than Rubber
- Faster production than for Rubber hoses
- Thermoplastic Hoses are easy to change specification e.g.
  - Colour
  - Inner/outer diameter
  - Branding

AGRICULTURE GARDENING INDUSTRY BUILDING NAUTICAL TRANSPORT HOUSE

Italy-based Merlett has been manufacturing Thermoplastic hoses since 1952. In 2019, Continental, a company with over 100 years of experience in hoses and hose lines for all industrial applications, acquired the Merlett Group.

Now part of Continental's Industrial Fluid Solutions business unit, Merlett's Thermoplastic hoses sit alongside Continental's well-established rubber hoses.

As a recognised Continental Partner of Choice, TransDev is perfectly positioned to support customers with their machinery needs. Our range of complementary motion components, including Continental belts, combined with our extensive industry expertise, provides both exceptional value and opportunities for customers who strive for excellence.

Continental · Partner of Choice · TransDev THE POWER IN MOTION

CLEANING

For cleaning, if the manufacturer has not provided specific instructions, use soap and water, avoiding solvents like petroleum or paraffin, and other cleaning agents that could damage the hose or harm people and the environment. Never use abrasive or sharp tools for cleaning, such as metal brushes or sandpaper.

MAINTENANCE

Even with correct selection, storage, and installation, regular maintenance of hoses is essential.

The frequency of maintenance depends on hose usage. During routine inspections, special attention should be given to connections and any signs of deterioration. Possible irregularities include slits, cracks, cuts, abrasions, ungluing, tears exposing the reinforcement, deformations, bubbles, local swelling under pressure, overly soft or hard areas, and leaks. These issues necessitate hose replacement.

Additionally, if the hose cover has an expiry date, it must be adhered to, regardless of visible wear. Repairs are generally not recommended, but if deterioration is confined to one end, that end can be cut off.

HOW TO SPECIFY

For optimal performance, choose a hose and accessories based on service conditions. Before deciding on diameter, type, and quality, examine the actual conditions. Ensure compatibility with connections, and determine the appropriate size, length, and tolerance limits. Be mindful of increased risks, especially around children and the elderly.

IF IN DOUBT CONTACT US FOR FURTHER ASSISTANCE.

FOR MORE INFORMATION: T +44 (0)1202 675 555 | Email: sales@transdev.co.uk

Continental Thermoplastic Hose Ranges

Continental

ARMORVIN SERIES

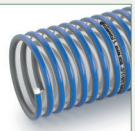
PVC Hose with Galvanised Steel Spiral

The steel wire is preformed in a spiral shape and introduced in an extrusion head. The molten PVC material is pushed through the extrusion head and in one run, the whole wall is extruded enveloping the steel spiral.

- **Armorvin HNA** 913040 — Food liquid • Suction & delivery
- **Armorvin HNP** 913030 — Food liquid • Heavy duty • Milk Suction & delivery
- **Armorvin PU PHF** 912872 * — Abrasive materials • Food liquid • Industrial oil Suction & delivery
- **Iberflex** 912977 — Food liquid (alcohol <20%) • Suction & delivery
- **Armorvinpress PU** 913038 — Food liquid & oil • Suction & delivery
- **Armorvinpress** 913039 — Chemicals • Hydraulic oil • Liquid Pneumatic air & oil • Suction & delivery
- **Armorvin HNA Plus** 913940 — Liquid food (<50% alcohol) • Milk & dairy Suction & delivery
- **Armorvin Total PU Oil Tphf** 912873 — Abrasive materials • Food liquids & oils Suction & delivery
- **Metalflex I** 912980 — Industrial liquid • Suction

* Minimum order quantity required

AMERICA SERIES



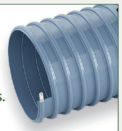
PVC Hose with PVC Spiral

Any basic spiraled hose will consist of a plasticised PVC wall and a rigid spiral. The two molten materials are conveyed into an extrusion head, pushed through a die and the profile is wound around a mandrel to make the hose wall.

- **Luisiana Superelastic** 911022 — Liquids • Suction & delivery
- **Luisiana PU Antistatico** 911184 — Abrasive & granular material • Antistatic Conveying & carrying
- **Florida** 911021 — Liquid • Suction & delivery
- **Oregon PU PS Extra** 911308 * — Abrasive materials • Suction & transport
- **Super Arizona PU** 911074 — Abrasive material • Discharge & transport
- **America Oil** 911101 — Industrial oil • Suction & delivery
- **Super Arizona PU Plus** 911059 * — Abrasive material • Discharge & transport
- **Shark Hose** 911079 — Carrying • Fish farming & products • Heavy duty
- **Quadra Pool Hayclor** 911209 — HAYCLOR liner • Liquids • Suction & delivery Supply & pool recirculation
- **Luisiana** 911020 — Food liquid • Suction & delivery
- **Luisiana Antistatico** 911046 * — Antistatic • Food liquid • Suction & delivery
- **Luisiana OM** 911067 — Food liquid • Light duty • Suction & delivery
- **Nevada PHF** 911277 — Dairy • Heavy duty • Suction & delivery • Wine
- **Arizona Superelastic** 911075 — Cesspits • Irrigation • Liquid • Sewage Suction & delivery
- **Medium** 911117 — Cesspits • Irrigation • Liquid • Sewage Suction & delivery
- **Alabama** 911194 — Cesspits • Irrigation • Liquid • Sewage Suction & delivery
- **America Flex** 911261 * — Irrigation • Liquid • Sewage & cesspit cleaning Suction & delivery
- **Colorado Superelastic** 911034 * — Cesspits • Heavy duty • Irrigation • Liquid Sewage • Suction & delivery
- **Arizona Arctic** 911217 * — Cold climate • Liquid • Suction & delivery
- **Arizona Extreme Elastic** 911159 * — Cold climate • Liquid • Suction & delivery

* Minimum order quantity required

SPIRAL AIR SERIES



Suction and ventilation hoses engineered from various materials.

Any basic spiraled hose will consist of a plasticised PVC wall and a rigid spiral. The two molten materials are conveyed into an extrusion head, pushed through a die and the profile is wound around a mandrel to make the hose wall.

- **Oregon PU EST** 911015 — Abrasive material • Suction & transport
- **Oregon PU P EST Antistatico** 911196 — Abrasive material • Antistatic Transport, suction & delivery
- **Oregon PU PS Spirale Maggiorata** 911148 * — Abrasive materials • Fish products • Suction & transport
- **Oregon** 911010 — Air • Chips • Dust • Filaments • Fumes Suction & ducting • Ventilation
- **Detroit 200°C** 911229 — Car exhaust fumes • Crush resistant Flame retardent • Suction
- **Eva Industrial** 918010 — Air • Dust • Exhaust gas • Extraction Welding smoke/gases
- **Oregon PU ET** 911003 — Abrasive material • Dry food • Suction & transport
- **Oregon PU ET Antistatico** 911011 — Antistatic • Abrasive material • Dry food
- **Corsez Pool** 918210 — Corrugated • Filters & skimmers • Swimming pool
- **Eva Pool N/V** 918344 — Optional cuffs • Swimming pool cleaning

* Minimum order quantity required

SUPERFLEX SERIES

PU Hose with Copper-Plated Steel Spiral

By extrusion of a Polyurethane tape or profile, which is brought together with a steel wire, which generally is copper coated or, for the heavier versions also PU covered to give the best possible adhesion.

- **Superflex PU AllrounDuct 04** 914002 — 0.4mm thick • Abrasive materials • Antistatic Flame retardant • Suction & delivery
- **Superflex PU Allrounduct 07** 914001 — 0.7mm thick • Abrasive materials • Antistatic Flame retardant • Suction & delivery
- **Superflex PU LR Compattato** 912905 — Abrasive material • Chips • Dust Suction & transport
- **Superflex PU R AS Din 4102** 912870 — Abrasive material • Antistatic • Chips • Dust Suction & transport
- **Superflex PU R (HK)** 913055hk — Abrasive material • Chips • Dust • Suction & transport
- **Superflex PU ET Plus HMR TR** 912917 — Abrasive materials • Chips • Dust • Suction & ducting
- **Superflex PU** 913002 — Abrasive materials • Chips • Dust • Suction & ducting
- **Superflex PU LR Din 4102–B1** 912883 — Abrasive material • Chips • Dust • Suction & transport
- **Superflex PU HLR** 912809 * — Abrasive materials • Chips • Dust • Suction & ducting
- **Superflex PU CHR** 912831 — Abrasive material • Chips • Dust • Suction & transport
- **Superflex PU R** 913055 — Abrasive material • Chips • Dust • Suction & transport
- **Superflex PU Plus H** 913023 — Abrasive material • Chips • Dust • Food Suction & transport
- **Superflex PU PLUS HMR** 913064 — Abrasive material • Chips • Dust • Food Suction & transport
- **Superflex PU Plus HPR** 913048 — Food • Suction & transport
- **Termoresistente KLL 125** 913068 — Air conditioning • Fumes • Suction • Warm air
- **Termoresistente PU 200°C** 912955 — Suction & transport • Warm air
- **Superflex Calor** 913001 — Acid vapours • Air • Suction & transport
- **Superflex PU R Din 4102–B1** 913006 — Abrasive materials • Chips • Dust Self extinguishing • Suction & ducting

* Minimum order quantity required

VACUPRESS SERIES

PVC Hose with Galvanised Steel Spiral and Textile Reinforcement

Combining Armorvin and Braided Hose technology, for the first real Thermoplastic suction and delivery hose.

- **Vacupress Flex** 912934 — Liquid • Suction & delivery
- **Vacupress Oil** 913047 — Abrasive materials • Diesel • Oil Suction & delivery
- **Vacupress Oil PU** 912909 — Abrasive materials • Antistatic • Diesel Oil • Suction & delivery
- **Vacupress Superchemi** 912954 — Corrosive liquid • Suction & delivery
- **Vacupress Chemi** 913909 — Aggressive liquid • Suction & delivery
- **Vacupress Marine Waste** 912916 — Boat systems • Liquid • Suction & delivery • Waste water
- **Vacupress Food** 913908 — Food contact • Liquid foodstuffs • Suction & delivery
- **Vacupress Superelastic** 913904 — Food liquid • Suction & delivery
- **Vacupress ENO PHF** 913843 — Liquid (<20% alcohol) • Suction & delivery
- **Vacupress Cristal FDA** 913844 — Clear • Food stuffs • Solids & liquids Suction & delivery

BRAIDED HOSE SERIES

PVC Hose with Textile Reinforcement

An inner hose is formed by extrusion and kept open by air. The inner hose is then fed through a braiding machine, with two reels with multiple spools of Polyester yarn, which turn in opposite directions to form the cross-braiding.

- **Ragno Total PU Robot** 915132 — Industrial robotics
- **Polipo 15 Bar Oil** 915133 — Blue diesel • Diesel oil • Oil • Pressurised transfer • Urea
- **Super Stone Hose (4x15)** 915036 * — Air • Pressurised delivery
- **Ragno Total PU ET** 915254 — Compressed air
- **Ragno Acqua 20 Bar** 915252 — Liquid • Pressurised delivery
- **Cristallo** 926015 — Air • Liquid • Unreinforced
- **Ragno Antigelo CR FDA** 915202 — Chemical solutions • Compressed air Cooling liquid • Delivery • Food
- **Ragno Air 20 Bar** 915150 — Insecticides • Liquids • Parasites • Pressure delivery
- **Ragno PU** 915203 — Airbrushes • Paint guns • Pneumatic tools
- **Ragno PU Conduttivo** 915143 * — Airbrushes • ATEX • Paint guns • Pneumatic tools
- **Ragno N 20 Bar** 915046 — Insecticides • Liquids • Pesticides • Pressure spraying
- **Ragno N 40 Bar** 915048 — Insecticides • Liquids • Pesticides • Pressure spraying
- **Super Ragno N 80 Bar** 915065 — Insecticides • Liquids • Pesticides • Pressure spraying
- **Super Ragno Chemi 80 Bar** 915134 * — Chemical resistance • Insecticides • Liquids Pesticides • Pressure spraying

* Minimum order quantity required

SPIRAL GUARD SERIES

Extruded Rigid Thermoplastic

This particular product was created to protect a single hose or bundle and protect a number of hoses and cables. By extrusion of a profile in a rigid thermoplastic material, brought on a mandrel then, keeping each turn of the profile at the right distance, a spiral is shaped.

- **Spiralina** 926003 — SH. D. (3 SEC.) = 78 ± 3 • ISO 4649 < 150mm³
- **Spiralina Flex** 926002 — SH. D. (3 SEC.) = 78 ± 3 • ISO 4649 < 150mm³

Continental's comprehensive range of high quality Thermoplastic Hoses are available from TransDev for fast delivery, and as part of a range of machine components. Contact your local TransDev Sales Engineer, or our sales office for further information and assistance.

KEY

- Agriculture
- Gardening
- Industry
- Building
- Nautical
- Transport
- House
- Antistatic
- ATEX
- Calibrated Diameters
- Chlorine Resistance
- Conductive
- Easy Pack
- Flame Retardant
- For Food
- Halogen-free
- Hydrolysis Resistance
- Microorganisms Resistance
- Mould Resistance
- O-Phthalate Free
- Ozone Resistance
- Perforation Resistance
- Phthalate Free
- Silicon Free
- Tear Resistance
- Anti-Uv
- Waste Water Tank System

FOR MORE INFORMATION: T +44 (0)1202 675 555 | EMAIL: sales@transdev.co.uk

TransDev® THE POWER IN MOTION

Focused on
Driving your success

Stuart and Jean Osborne, founded TransDev over 60 years ago, on the firm belief that our product offerings should seamlessly align with our customers' own pursuit of excellence.

This principle laid the foundation for our company's dedication to provide only the very finest power transmission products and brands available.

Today, we remain steadfast in upholding our core values, understanding that customers continue to seek high quality products and services that will actively contribute to their success.

Why settle for compromise when excellence is the shared cornerstone of our journey?

TransDev®
THE POWER IN MOTION

SINCE 1965

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