ABOUT US

Our company is a supplier of industrial hoses cooperating with a producer, which has been on the market for over 20 years and currently has a position of the largest producer and supplier of industrial hoses on the Middle Europe market. This product catalog has been created based on many years of experience, our clients requirements and in accordance with the Management System ISO 9001.

We believe that thanks to close and successful cooperation with our clients we are able to develop our products and diversify the offer so as to meet all of our clients' needs. We wish all our current and potential clients lot of success and continuous development.

Tomáš Harašin

Contact:

ATH INTERNATIONAL
+420 720 553 181
+420 722 787 886
office@flexi-hoses.com
www.flexi-hoses.com

Sales department for CZ and SK:
Tomáš Harašin
+420 736 439 436
tomas@hadice-prumyslove.cz
www.hadice-prumyslove.cz
info@hadice-prumyslove.cz
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STRUCTURE OF HOSES

ELASTIC
LIGHT
MEDIUM LIGHT
HEAVY
SUPER HEAVY
VACU
SUPER VACU
MAMUT

FOIL
ULTRA LIGHT

STEP

VACUUM

KLIN

METAL

- flame retardant in accordance with UL94
Hoses designed for woodworking and furniture industry

Hoses PUR MB and PUR PL are made of polyester polyester polyurethane reinforced with steel spiral wire. They are characterised by a very good flexibility and a very good abrasion resistance. PUR MB and PUR PL polyurethane hoses provide the best solution in the exhaust systems used in woodworking and furniture industries, where both abrasion resistance and good flexibility is required. Static loads can be discharged by grounding a spiral.

Hoses type PUR MB and PUR PL have flammability class in accordance with American Underwriters Laboratories UL94 standards.

**PUR FOIL ULTRA LIGHT MB**

**Description:**
- very good abrasion resistance
- very flexible and compressible
- shock absorbing
- transparent (colored on agreement)
- flame retardant acc. UL94

**Application:**
- exhaust of abrasive bulk materials e.g. dust, powder, sawdust or wood dust from woodworking machines; ventilation and deducting systems, exhaust of air, fumes, oil mists.

**Properties:**
- diameters (mm): DN60 - DN200
- length: up to 10 m
- working temperature: -30°C ÷ +80°C
- abrasion coefficient: 30 mm³
- flammability class: V-II

**PUR FOIL MB**

**Description:**
- very good abrasion resistance
- very flexible and compressible
- perfect for moving machines
- shock absorbing
- transparent (colored on agreement)
- flame retardant acc. UL94

**Application:**
- exhaust of solid abrasive materials e.g. dust, powder, sawdust or shavings from woodworking machines; ventilation and deducting systems, exhaust of air, fumes, oil mists, perfect for CNC machines.

**Properties:**
- diameters (mm): DN32 - DN600
- length: up to 10 m
- working temperature: -40°C ÷ +75°C
- abrasion coefficient: 30 mm³
- flammability class: V-II

**PUR ELASTIC MB**

**Description:**
- very good abrasion resistance
- very flexible and compressible
- perfect for moving machines
- shock absorbing
- transparent (colored on agreement)
- flame retardant acc. UL94

**Application:**
- exhaust of solid abrasive materials e.g. dust, powder, sawdust or shavings from woodworking machines; ventilation and deducting systems, exhaust of air, fumes, oil mists, perfect for CNC machines in horizontal and vertical movement.

**Properties:**
- diameters (mm): DN50 - DN500
- length: up to 20 m
- working temperature: -40°C ÷ +75°C
- abrasion coefficient: 30 mm³
- flammability class: V-II
**PUR LIGHT MB**

Suction and transport hose.
Wall thickness 0,7 mm

**Application:**
- exhaust of solid abrasive materials e.g. dust, powder, granulates, pellets, sand, sawdust or shavings;
- ventilation and dedusting systems in woodworking industry;
- exhaust of air, fumes, oil mists.

**Properties:**
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -40°C ÷ +75°C
- abrasion coefficient: 30 mm³
- flammability class: V-I

**Description:**
- very good abrasion resistance
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- shock absorbing
- transparent (colored on agreement)
- flame retardant acc. UL94

---

**PUR MEDIUM LIGHT MB**

Suction and transport hose.
Wall thickness 0,9 mm

**Application:**
- gravitational and pneumatic transport of abrasive materials e.g. powder, shavings, sawdust, wood chips, granulates, pellets, sand; dedusting systems and machines in woodworking and furniture industry;
- exhaust of air, fumes, oil mists; as a durable protection hose.

**Properties:**
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -40°C ÷ +75°C
- abrasion coefficient: 30 mm³
- flammability class: V-II

**Description:**
- very good abrasion resistance
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- transparent (colored on agreement)
- flame retardant acc. UL94

---

**PUR HEAVY MB**

Suction and transport hose.
Wall thickness 1,4 mm.

**Application:**
- gravitational and pneumatic transport of highly abrasive materials e.g. shavings, sawdust, wood chips, granulates, pellets, sand; as a durable protection hose;
- exhaust of liquids, air, fumes, oil mists;
- as a durable protection hose for industrial vacuum cleaners, granulate feeders, printing machines, compressors.

**Properties:**
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -40°C ÷ +75°C
- abrasion coefficient: 30 mm³
- flammability class: V-II

**Description:**
- very good abrasion resistance
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- increased pressure and vacuum resistance
- transparent (colored on agreement)
- flame retardant acc. UL94

---

**PUR SUPER HEAVY MB**

Suction and transport hose.
Wall thickness 2,1 mm.

**PUR VACU MB**

Suction and transport hose.
Wall thickness 2,1 mm.
Narrow spiral distances.

**Application:**
- gravitational and pneumatic transport of highly abrasive coarse materials e.g. sand, gravel, grain, ceramic dust, glass particles, granulates, pellets, shavings, sludge; exhaust of liquids and gases;
- as a durable protection hose.

**Properties:**
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -40°C ÷ +75°C
- abrasion coefficient: 30 mm³
- flammability class: V-II

**Description:**
- very good abrasion resistance
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- increased pressure and vacuum resistance
- transparent (colored on agreement)
- flame retardant acc. UL94

---

**PUR SLEEVE FOIL MB**

Wall thickness 0,8 mm.

**PUR SLEEVE LIGHT MB**

Wall thickness 1,4 mm.

**Application:**
- ends of dedusting and exhaust systems;
- drain sleeves in containers and silos;
- protection of moving machine parts.

**Properties:**
- diameters (mm): DN90 - DN600
- length: up to 4 m
- working temperature: -40°C ÷ +75°C
- abrasion coefficient: 30 mm³

**Description:**
- very good abrasion resistance
- light and flexible
- tear and tensile resistant
- transparent (colored on agreement)
- flame retardant acc. UL94
PUR STEP MB
Suction and transport crush-resistant hose. Wall thickness 0.7 mm.
Application:
- exhaust of abrasive materials in mobile plants, where hoses are exposed to deformation due to stepping or running over.
Description:
- polyurethane spiral (instead of steel wire)
- crush-resistant
- very good abrasion resistance
- good flexibility
- transparent (colored on agreement)
- flame retardant acc. UL94
Properties:
- diameters (mm): DN80 - DN160
- length: up to 10 m
- working temperature: -40°C ~ +75°C
- abrasion coefficient: 30 mm³
- flammability class: V-I

PUR FOIL PL
Highly flexible suction and transport hose. Wall thickness 0.5 mm.
Application:
- exhaust of solid abrasive materials e.g. dust, powder, sawdust or shavings from woodworking machines; ventilation and dedusting systems, exhaust of air, fumes, oil mists, perfect for CNC machines.
Description:
- very good abrasion resistance
- very flexible and compressible
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- shock absorbing
- transparent (colored on agreement)
Properties:
- diameters (mm): DN32 - DN600
- length: up to 10 m
- working temperature: -40°C ~ +80°C
- abrasion coefficient: 30 mm³

PUR LIGHT PL
Suction and transport hose. Wall thickness 0.7 mm.
Application:
- exhaust of solid abrasive materials e.g. dust, powder, granulates, pellets, sand, sawdust or shavings; ventilation and dedusting systems in woodworking industry; exhaust of air, fumes, oil mists.
Description:
- very good abrasion resistance
- very flexible and compressible
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- shock absorbing
- transparent (colored on agreement)
Properties:
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -40°C ~ +80°C
- abrasion coefficient: 30 mm³

PUR MEDIUM LIGHT PL
Suction and transport hose. Wall thickness 0.9 mm.
Application:
- gravitational and pneumatic transport of abrasive materials e.g. powder, shavings, sawdust, wood chips, granulates, pellets, sand; dedusting systems and machines in woodworking and furniture industry; exhaust of air, fumes, oil mists; as a durable protection hose.
Description:
- very good abrasion resistance
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- increased pressure and vacuum resistance
- transparent (colored on agreement)
Properties:
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -40°C ~ +80°C
- abrasion coefficient: 30 mm³

PUR HEAVY PL
Suction and transport hose. Wall thickness 1.4 mm.
Application:
- gravitational and pneumatic transport of highly abrasive materials e.g. shavings, sawdust, wood chips, granulates, pellets, sand, gravel, grain, ceramic dust, sludge; exhaust of liquids, air, fumes, oil mists; as a durable protection hose; for industrial vacuum cleaners, granulate feeders, printing machines, compressors.
Description:
- very good abrasion resistance
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- increased pressure and vacuum resistance
- transparent (colored on agreement)
Properties:
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -40°C ~ +80°C
- abrasion coefficient: 30 mm³
**PUR SUPER HEAVY PL**

Suction and transport hose.
Wall thickness 2,1 mm.

**PUR VACU PL**

Suction and transport hose.
Wall thickness 2,1 mm.
Narrow spiral distances.

**Application:** gravitational and pneumatic transport of highly abrasive coarse materials e.g. sand, gravel, grain, ceramic dust, glass particles, granulates, pellets, shavings, sludge; exhaust of liquids and gases; as a durable protection hose.

**Properties:**
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -40°C ÷ +80°C
- abrasion coefficient: 30 mm³

**Description:**
- very good abrasion resistance
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- increased pressure and vacuum resistance
- transparent (colored on agreement)

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**PUR VACUUM**

Thick-walled hose.
Wall thickness 4,5 mm.

**Application:** gravitational and pneumatic transport of highly abrasive materials at increased pressure and vacuum e.g. sand, gravel, grain, ceramic dust, glass particles, granulates, pellets, shavings, sludge; exhaust of liquids and gases; as a durable protection hose.

**Properties:**
- diameters (mm): DN16 - DN50
- length: up to 50 m
- working temperature: -40°C ÷ +75°C
- abrasion coefficient: 30 mm³
- flammability class: V-II

**Description:**
- very good abrasion resistance
- perfect smooth walls, which optimizes flow of media
- good pressure and vacuum resistance
- transparent (colored on agreement)

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* Our offer includes also hoses PUR SUPER VACU MB or PL with wall thickness of 2,4 mm and PUR MAMUT MB or PL with wall thickness of 5-7mm.
ANTISTATIC AND CONDUCTIVE HOSES

Hoses PUR AS are made of antistatic polyurethane. They are characterized by a good flexibility, resilience and good abrasion resistance. They were designed for suction systems and transport of textiles, which requires the use of antistatic hoses (10⁶ Ohm resistance).

Hoses PUR EL are made of conductive polyurethane. They are characterized by a good flexibility and very good conductivity (10⁴ Ohm resistance).

They were designed for suction systems and transport of abrasive bulk materials such as dust, fabrics, powders, sawdust, which require electrical conductivity especially in explosion hazard zones. Static loads can be discharged by grounding the steel spiral.

PUR FOIL AS
Highly flexible suction and transport hose. Wall thickness 0.5 mm.

Application:
exhaust of dust, powder or other abrasive bulk materials in mobile plants with required use of antistatic hoses.

Properties:
- diameters (mm): DN32 - DN600
- length: up to 10 m
- working temperature: -30°C ÷ +75°C
- abrasion coefficient: 30 mm²
- resistance: 10⁶ Ohm

Description:
- antistatic
- very good abrasion resistance
- very flexible and compressible
- shock absorbing
- transparent (colored on agreement)

PUR LIGHT AS
Suction and transport hose. Wall thickness 0.7 mm.

Application:
exhaust of dust, powder, sawdust or other abrasive bulk materials in mobile plants with required use of antistatic hoses.

Properties:
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -30°C ÷ +75°C
- abrasion coefficient: 30 mm²
- resistance: 10⁶ Ohm

Description:
- antistatic
- very good abrasion resistance
- flexible and compressible
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- transparent (colored on agreement)

PUR MEDIUM LIGHT AS
Suction and transport hose. Wall thickness 0.9 mm.

Application:
exhaust of sawdust, textiles, paper fibers or other abrasive materials, exhaust of fumes from ventilation tunnels, where the use of antistatic hoses is required.

Properties:
- diameters (mm): DN20 – DN500
- length: up to 20 m
- working temperature: -30°C ÷ +75°C
- abrasion coefficient: 30 mm²
- resistance: 10⁶ Ohm

Description:
- antistatic
- very good abrasion resistance
- flexible and compressible
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- transparent (colored on agreement)
### PUR HEAVY AS
Suction and transport hose. Wall thickness 2.1 mm.

**Application:**
gravitational and pneumatic transport of sawdust, textiles, granulates, pellets, sand, grain or other abrasive materials, for industrial vacuum cleaners, granulate feeders, printing machines, compressors, where the use of antistatic hoses is required.

**Properties:**
- diameters (mm): DN20 – DN500
- length: up to 10 m
- working temperature: -30°C ÷ +75°C
- abrasion coefficient: 30 mm³
- resistance: 10⁶ Ohm

### PUR SUPER HEAVY AS
Suction and transport hose. Wall thickness 2.1 mm.

### PUR VACU AS
Suction and transport hose. Wall thickness 2.1 mm. Narrow spiral distances.

**Application:**
for transport and loading facilities to transport highly abrasive coarse materials such as sand, gravel, grain, ceramic powder, glass particles, granules, where the use of antistatic hoses is required.

**Properties:**
- diameters (mm): DN20 – DN500
- length: up to 20 m
- working temperature: -30°C ÷ +75°C
- abrasion coefficient: 30 mm³
- resistance: 10⁶ Ohm

### PUR SLEEVE FOIL AS
Wall thickness 0.8 mm.

### PUR SLEEVE LIGHT AS
Wall thickness 1.4 mm.

**Application:**
ends of dedusting and exhaust systems; drain sleeves in containers and silos; protection of moving machine parts, where the use of antistatic hoses is required.

**Properties:**
- diameters (mm): DN90 – DN600
- length: up to 4 m
- working temperature: -30°C ÷ +75°C
- abrasion coefficient: 30 mm³
- resistance: 10⁶ Ohm

### PUR FOIL EL
Highly flexible suction and transport hose. Wall thickness 0.5 mm.

**Application:**
exhaust of dust, powder or other abrasive bulk materials in mobile plants with required use of conductive hoses, especially in explosion hazard zones.

**Properties:**
- diameters (mm): DN32 – DN600
- length: up to 10 m
- working temperature: -30°C ÷ +80°C
- abrasion coefficient: 43 mm³
- resistance: 10⁴ Ohm

### PUR LIGHT EL
Suction and transport hose. Wall thickness 0.7 mm.

**Application:**
exhaust of dust, powder, sawdust or other abrasive bulk materials in mobile plants, where the use of conductive hoses is required, especially in explosion hazard zones.

**Properties:**
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -30°C ÷ +80°C
- abrasion coefficient: 43 mm³
- resistance: 10⁶ Ohm
PUR MEDIUM LIGHT EL
Suction and transport hose.
Wall thickness 0.9 mm.

Application:
- exhaust of sawdust, textiles, paper fibers or other abrasive materials, exhaust of fumes from ventilation tunnels, where the use of conductive hoses is required, especially in explosion hazard zones.

Description:
- conductive
- good abrasion resistance
- flexible and compressible
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- color: black

Properties:
- diameters (mm): DN20 – DN500
- length: up to 20 m
- working temperature: -30°C – +80°C
- abrasion coefficient: 43 mm³
- resistance: 10⁴ Ohm

PUR HEAVY EL
Suction and transport hose.
Wall thickness 1.4 mm.

Application:
- exhaust of sawdust, textiles, paper fibers or other abrasive materials, exhaust of fumes from ventilation tunnels, where the use of conductive hoses is required, especially in explosion hazard zones.

Description:
- conductive
- good abrasion resistance
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- color: black

Properties:
- diameters (mm): DN20 – DN500
- length: up to 20 m
- working temperature: -30°C – +80°C
- abrasion coefficient: 43 mm³
- resistance: 10⁴ Ohm

PUR SUPER HEAVY EL
Suction and transport hose.
Wall thickness 2.1 mm.

Description:
- conductive
- good abrasion resistance
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- color: black

Properties:
- diameters (mm): DN20 – DN500
- length: up to 20 m
- working temperature: -30°C – +80°C
- abrasion coefficient: 43 mm³
- resistance: 10⁴ Ohm

PUR VACU EL
Suction and transport hose.
Wall thickness 2.1 mm.

Application:
- for transport and loading facilities to transport highly abrasive coarse materials such as sand, gravel, grain, ceramic powder, glass particles, granules, where the use of conductive hoses is required, especially in explosion hazard zones.

Description:
- polyurethane spiral (instead of steel wire)
- crush-resistant
- conductive
- good abrasion resistance
- good flexibility
- color: black

Properties:
- diameters (mm): DN80 - DN160
- length: up to 10 m
- working temperature: -30°C – +80°C
- abrasion coefficient: 43 mm³
- resistance: 10⁴ Ohm

PUR STEP EL
Suction and transport crush-resistant hose.
Wall thickness 0.7 mm.

Application:
- exhaust of abrasive materials in mobile plants, where hoses are exposed to deformation due to stepping or running over and where the use of conductive hoses is required, especially in explosion hazard zones.

Description:
- polyurethane spiral (instead of steel wire)
- crush-resistant
- conductive
- good abrasion resistance
- good flexibility
- color: black

Properties:
- diameters (mm): DN80 - DN160
- length: up to 10 m
- working temperature: -30°C – +80°C
- abrasion coefficient: 43 mm³
- resistance: 10⁴ Ohm

* Our offer includes also hoses PUR SUPER VACU AS or EL with wall thickness of 2.4 mm and PUR MAMUT AS or EL with wall thickness of 5-7 mm.
**POLYURETHANE HOSES WITH INCREASED THERMAL RESISTANCE**

Hoses PUR TM104 and PUR TM140 are made of special polyurethane with increased thermal resistance. They are characterised by the high resistance to increased temperature of media and environment, very good flexibility and good abrasion resistance. They were designed for suction and transportation systems, where high thermal resistance is required.

Working temperature of hoses PUR TM104 reaches up to 104°C and working temperature of hoses PUR TM140 reaches up to 140°C. Static loads can be discharged by grounding a spiral.

**PUR FOIL TM104**

- **Description:**
  - very good abrasion resistance
  - very flexible and compressible
  - increased working temperature
  - shock absorbing
  - transparent (colored on agreement)
  - flame retardant acc. UL94

- **Application:**
  - exhaust of abrasive materials e.g. dust, powder, sawdust, ceramic dust and others at increased working temperature up to 104°C; exhaust of liquid and gaseous media, hot and cold air, fumes, oil mists.

- **Properties:**
  - diameters (mm): DN32 - DN600
  - length: up to 10 m
  - working temperature: -30°C ÷ +104°C
  - abrasion coefficient: 30 mm³
  - flammability class: V-II

**PUR LIGHT TM104**

- **Description:**
  - very good abrasion resistance
  - very flexible and compressible
  - tear and tensile resistant
  - shock absorbing
  - transparent (colored on agreement)
  - flame retardant acc. UL94

- **Application:**
  - exhaust of abrasive materials e.g. dust, powder, granulates, pellets, sand, sawdust, ceramic dust and others at increased working temperature up to 104°C; exhaust of liquid and gaseous media, hot and cold air, fumes, oil mists.

- **Properties:**
  - diameters (mm): DN20 - DN500
  - length: up to 20 m
  - working temperature: -30°C ÷ +104°C
  - abrasion coefficient: 30 mm³
  - flammability class: V-II

**PUR MEDIUM LIGHT TM104**

- **Description:**
  - very good abrasion resistance
  - flexible and compressible
  - increased working temperature
  - tear and tensile resistant
  - smooth internal wall, which optimizes flow of media
  - transparent (colored on agreement)
  - flame retardant acc. UL94

- **Application:**
  - gravitational and pneumatic transport of abrasive materials e.g. powder, shavings, sawdust, granulates, pellets, sand and others at increased working temperature up to 104°C; exhaust of hot and cold air, fumes, oil mists, vapors; as a durable protection hose.

- **Properties:**
  - diameters (mm): DN20 - DN500
  - length: up to 20 m
  - working temperature: -30°C ÷ +104°C
  - abrasion coefficient: 30 mm³
  - flammability class: V-II
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<th>Description</th>
<th>Application</th>
<th>Properties</th>
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<td><strong>Suction and transport hose. Wall thickness 1.4 mm.</strong></td>
<td><strong>PUR HEAVY TM104</strong>&lt;br&gt;- very good abrasion resistance&lt;br&gt;- tear and tensile resistant&lt;br&gt;- increased working temperature&lt;br&gt;- smoothed internal wall, which optimizes flow of media&lt;br&gt;- increased pressure and vacuum resistance&lt;br&gt;- transparent (colored on agreement)&lt;br&gt;- flame retardant acc. UL94</td>
<td>- gravitational and pneumatic transport of highly abrasive materials e.g. sawdust, wood chips, granulates, pellets, sand, gravel, grain, ceramic dust, sludge and others at increased working temperature up to 104°C; exhaust of liquids, hot and cold air, fumes, oil mist; as a durable protection hose.</td>
<td>- diameters (mm): DN20 - DN500&lt;br&gt;- length: up to 20 m&lt;br&gt;- working temperature: -30°C ÷ +104°C&lt;br&gt;- abrasion coefficient: 30 mm³&lt;br&gt;- flammability class: V-II</td>
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<tr>
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<td><strong>PUR SUPER HEAVY TM104</strong>&lt;br&gt;- very good abrasion resistance&lt;br&gt;- tear and tensile resistant&lt;br&gt;- increased working temperature&lt;br&gt;- smoothed internal wall, which optimizes flow of media&lt;br&gt;- increased pressure and vacuum resistance&lt;br&gt;- transparent (colored on agreement)&lt;br&gt;- flame retardant acc. UL94</td>
<td>- gravitational and pneumatic transport of highly abrasive coarse materials e.g. sand, gravel, grain, glass particles, granulates, pellets, shavings, sludge and others at increased working temperature up to 104°C; exhaust of liquids and hot gases; as a durable protection hose.</td>
<td>- diameters (mm): DN20 - DN500&lt;br&gt;- length: up to 20 m&lt;br&gt;- working temperature: -30°C ÷ +104°C&lt;br&gt;- abrasion coefficient: 30 mm³&lt;br&gt;- flammability class: V-II</td>
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<td><strong>PUR VACU TM104</strong>&lt;br&gt;- suction and transport hose. Wall thickness 2.1 mm. Narrow spiral distances.</td>
<td>- gravitational and pneumatic transport of highly abrasive materials e.g. sawdust, wood chips, granulates, pellets, sand, gravel, grain, ceramic dust, sludge and others at increased working temperature up to 104°C; exhaust of liquids and hot gases.</td>
<td>- diameters (mm): DN20 - DN500&lt;br&gt;- length: up to 20 m&lt;br&gt;- working temperature: -30°C ÷ +104°C&lt;br&gt;- abrasion coefficient: 30 mm³&lt;br&gt;- flammability class: V-II</td>
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<td><strong>PUR FOIL TM140</strong>&lt;br&gt;- highly flexible suction and transport hose. Wall thickness 0.5 mm.</td>
<td>- exhaust of abrasive materials e.g. dust, powder, sawdust, ceramic dust and others at increased working temperature up to 140°C; exhaust of liquid and gaseous media, hot and cold air, fumes, oil mist.</td>
<td>- diameters (mm): DN32 - DN600&lt;br&gt;- length: up to 10 m&lt;br&gt;- working temperature: -40°C ÷ +140°C&lt;br&gt;- abrasion coefficient: 40 mm³</td>
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<td><strong>PUR LIGHT TM140</strong>&lt;br&gt;- suction and transport hose. Wall thickness 0.7 mm.</td>
<td>- exhaust of abrasive materials e.g. dust, powder, granulates, pellets, sand, sawdust, ceramic dust and others at increased working temperature up to 140°C; exhaust of liquid and gaseous media, hot and cold air, fumes, oil mist.</td>
<td>- diameters (mm): DN20 - DN500&lt;br&gt;- length: up to 20 m&lt;br&gt;- working temperature: -40°C ÷ +140°C&lt;br&gt;- abrasion coefficient: 40 mm³</td>
</tr>
<tr>
<td></td>
<td><strong>PUR MEDIUM LIGHT TM140</strong>&lt;br&gt;- suction and transport hose. Wall thickness 0.9 mm.</td>
<td>- gravitational and pneumatic transport of abrasive materials e.g. powder, shavings, sawdust, granulates, pellets, sand and others at increased working temperature up to 140°C; exhaust of hot and cold air, fumes, oil mists, vapors; as a durable protection hose.</td>
<td>- diameters (mm): DN20 - DN500&lt;br&gt;- length: up to 20 m&lt;br&gt;- working temperature: -40°C ÷ +140°C&lt;br&gt;- abrasion coefficient: 40 mm³</td>
</tr>
</tbody>
</table>
**PUR HEAVY TM140**

Suction and transport hose.
Wall thickness 1.4 mm.

**Application:**
gravitational and pneumatic transport of highly abrasive materials e.g. sawdust, wood chips, granulates, pellets, sand, gravel, grain, ceramic dust, sludge and others at increased working temperature up to 140°C; exhaust of liquids, hot and cold air, fumes, oil mists; as a durable protection hose; for industrial vacuum cleaners, granulate feeders, printing machines, compressors.

**Description:**
- very good abrasion resistance
- tear and tensile resistant
- increased working temperature
- smoothed internal wall, which optimizes flow of media
- increased pressure and vacuum resistance
- transparent (colored on agreement)

**Properties:**
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -40°C ÷ +140°C
- abrasion coefficient: 40 mm³

---

**PUR SUPER HEAVY TM140**

Suction and transport hose.
Wall thickness 2.1 mm.

**Application:**
gravitational and pneumatic transport of highly abrasive coarse materials e.g. sand, gravel, grain, glass particles, granulates, pellets, shavings, sludge and others at increased working temperature up to 140°C; exhaust of liquids and hot gases; as a durable protection hose.

**Description:**
- very good abrasion resistance
- tear and tensile resistant
- increased working temperature
- smoothed internal wall, which optimizes flow of media
- increased pressure and vacuum resistance
- transparent (colored on agreement)

**Properties:**
- diameters (mm): DN25 - DN500
- length: up to 20 m
- working temperature: -40°C ÷ +140°C
- abrasion coefficient: 40 mm³

---

**PUR VACU TM140**

Suction and transport hose.
Wall thickness 2.1 mm.
Narrow spiral distances.

**Application:**
gravitational and pneumatic transport of highly abrasive coarse materials e.g. sawdust, wood chips, granulates, pellets, sand, gravel, grain, ceramic dust, sludge and others at increased working temperature up to 140°C; exhaust of liquids and hot gases; as a durable protection hose.

*Our offer includes also hoses PUR SUPER VACU TM104 or TM140 with wall thickness of 2.4 mm and PUR MAMUT TM104 or TM140 with wall thickness of 5-7mm.*
HOSES RESISTANT TO HYDROLYSIS AND MICROORGANISMS

Hoses PUR AG are made of special polyester polyurethane highly resistant to hydrolysis and microorganisms. They are characterised by very good flexibility, abrasion resistance and high resistance to putrefaction processes. Their applications include municipal service machines, silos, dryers, treatment plants, grain conveyors and others. Static loads can be discharged by grounding a spiral. Hoses PUR AG have a flammability class V-1 according to the standards of American Underwriters Laboratories - UL 94.

Hoses PUR BIO are made of special polyester polyurethane with addition of silver ions. They are characterised by very good flexibility, abrasion resistance and high resistance to microbes, bacteria or other microorganisms. Thanks to the bactericidal and anti-septic properties of silver, hoses PUR BIO are perfect for ventilation and air conditioning systems or any exhaust systems, where bacteria habitats may occur. Hoses PUR BIO neutralize 99.8% of bacteria, which was examined and verified by the Ishizuka GASS co. LTD institute in Japan.

PUR FOIL AG
Highly flexible suction and transport hose. Wall thickness 0.5 mm.

Description:
- very good abrasion resistance
- very flexible and compressible
- highly resistant to hydrolysis and microorganisms
- perfect for moving machines
- shock absorbing
- transparent (colored on agreement)
- flame retardant acc. UL94

Properties:
- diameters (mm): DN32 - DN600
- length: up to 10 m
- working temperature: -30°C ÷ +80°C
- abrasion coefficient: 35 mm³
- flammability class: V-II

Application:
exhaust of abrasive materials e.g. dust, powder, fibers; ventilation and air conditioning systems, exhaust of air, fumes, vapors, where the resistance to hydrolysis and microorganisms is required, perfect for CNC machines.

PUR LIGHT AG
Suction and transport hose. Wall thickness 0.7 mm.

Description:
- very good abrasion resistance
- very flexible and compressible
- highly resistant to hydrolysis and microorganisms
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- shock absorbing
- transparent (colored on agreement)
- flame retardant acc. UL94

Properties:
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -30°C ÷ +80°C
- abrasion coefficient: 35 mm³
- flammability class: V-II

Application:
exhaust of abrasive materials, exhaust of air, fumes, vapors, ventilation and air conditioning systems, small sweepers, cleaning machines and other applications, where resistance to hydrolysis and microorganisms is required.

PUR MEDIUM LIGHT AG
Suction and transport hose. Wall thickness 0.9 mm.

Description:
- very good abrasion resistance
- very flexible and compressible
- highly resistant to hydrolysis and microorganisms
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- shock absorbing
- transparent (colored on agreement)
- flame retardant acc. UL94

Properties:
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -30°C ÷ +80°C
- abrasion coefficient: 35 mm³
- flammability class: V-II

Application:
gravitational and pneumatic transport of abrasive materials; ventilation and dedusting systems; exhaust of air, fumes, oil mists; as a durable protection hose, cleaning machines, leaf vacuums, mowers and other applications, where resistance to hydrolysis and microorganisms is required.
PUR HEAVY AG
Suction and transport hose. Wall thickness 2,1 mm.

**Application:**
- Gravitational and pneumatic transport of highly abrasive materials; exhaust of liquids, air, fumes, oil mists; municipal service machines, industrial cleaning machines, transport of fodder, grain etc., where the resistance to hydrolysis and microorganisms is required.

**Description:**
- Very good abrasion resistance
- Tear and tensile resistant
- Highly resistant to hydrolysis and microorganisms
- Smoothed internal wall, which optimizes flow of media
- Increased pressure and vacuum resistance
- Transparent (colored on agreement)
- Flame retardant acc. UL94

**Properties:**
- **Diameters (mm):** DN20 - DN500
- **Length:** Up to 20 m
- **Working temperature:** -30°C - +80°C
- **Abrasion coefficient:** 35 mm³
- **Flammability class:** V-2

PUR VACU AG
Suction and transport hose. Wall thickness 2,1 mm. Narrow spiral distances.

**Application:**
- Gravitational and pneumatic transport of highly abrasive coarse materials e.g. sand, gravel, pellets, grain, sludge at increased pressure and vacuum; exhaust of liquids and gases; municipal service machines, industrial cleaning machines and other applications, where resistance to hydrolysis and microorganisms is required.

**Description:**
- Very good abrasion resistance
- Tear and tensile resistant
- Highly resistant to hydrolysis and microorganisms
- Smoothed internal wall, which optimizes flow of media
- Increased pressure and vacuum resistance
- Transparent (colored on agreement)
- Flame retardant acc. UL94

**Properties:**
- **Diameters (mm):** DN20 - DN500
- **Length:** Up to 20 m
- **Working temperature:** -30°C - +80°C
- **Abrasion coefficient:** 35 mm³
- **Flammability class:** V-2

PUR SLEEVE FOIL AG
Wall thickness 0,8 mm.

**Application:**
- Ends of dedusting and exhaust systems; drain sleeves in containers and silos; protection of moving machine parts and other applications, where resistance to hydrolysis and microorganisms is required.

**Description:**
- Very good abrasion resistance
- Light and flexible
- Highly resistant to hydrolysis and microorganisms
- Transparent (colored on agreement)
- Flame retardant acc. UL94

**Properties:**
- **Diameters (mm):** DN90 - DN600
- **Length:** Up to 4 m
- **Working temperature:** -30°C - +80°C
- **Abrasion coefficient:** 35 mm³
- **Flammability class:** V-2

PUR FOIL BIO
Highly flexible suction and transport hose. Wall thickness 0,5 mm.

**Application:**
- Exhaust of abrasive materials e.g. dust, powder, fibers; ventilation and air conditioning systems, where high resistance to bacteria, microbes and microorganisms is required; exhaust of air, fumes, vapors; perfect for CNC machines.

**Description:**
- Very good abrasion resistance
- Very flexible and compressible
- Highly resistant to hydrolysis and microorganisms
- Perfect for moving machines
- Shock absorbing
- Transparent (colored on agreement)

**Properties:**
- **Diameters (mm):** DN32 - DN600
- **Length:** Up to 10 m
- **Working temperature:** -30°C - +75°C
- **Abrasion coefficient:** 35 mm³

PUR LIGHT BIO
Suction and transport hose. Wall thickness 0,7 mm.

**Application:**
- Exhaust of abrasive materials, exhaust of air, fumes, vapors, ventilation, air conditioning and dedusting systems, small sweepers, cleaning machines and other applications, where high resistance to bacteria, microbes and microorganisms is required.

**Description:**
- Very good abrasion resistance
- Very flexible and compressible
- Highly resistant to hydrolysis and microorganisms
- Tear and tensile resistant
- Smoothed internal wall, which optimizes flow of media
- Shock absorbing
- Transparent (colored on agreement)

**Properties:**
- **Diameters (mm):** DN20 - DN500
- **Length:** Up to 20 m
- **Working temperature:** -30°C - +75°C
- **Abrasion coefficient:** 35 mm³
**PUR MEDIUM LIGHT BIO**

Suction and transport hose. Wall thickness **0.9 mm**.

**Application:**
- gravitational and pneumatic transport of abrasive materials; ventilation and dedusting systems; exhaust of air, fumes, oil mists; as a durable protection hose; cleaning machines, leaf vacuums, mowers and other applications, where high resistance to bacteria, microbes and microorganisms is required.

**Description:**
- very good abrasion resistance
- flexible and compressible
- highly resistant to hydrolysis and microorganisms
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- transparent (colored on agreement)

**Properties:**
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -30°C ÷ +75°C
- abrasion coefficient: 35 mm³

---

**PUR HEAVY BIO**

Suction and transport hose. Wall thickness **1.4 mm**.

**Application:**
- gravitational and pneumatic transport of highly abrasive materials; exhaust of liquids, air, fumes, oil mists; municipal service machines, industrial cleaning machines, transport of fodder, grain and other applications, where high resistance to bacteria, microbes and microorganisms is required.

**Description:**
- very good abrasion resistance
- tear and tensile resistant
- highly resistant to hydrolysis and microorganisms
- smoothed internal wall, which optimizes flow of media
- increased pressure and vacuum resistance
- transparent (colored on agreement)

**Properties:**
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -30°C ÷ +75°C
- abrasion coefficient: 35 mm³

---

**PUR SUPER HEAVY BIO**

Suction and transport hose. Wall thickness **2.1 mm**.

**PUR VACU BIO**

Suction and transport hose. Narrow spiral distances.

**Application:**
- gravitational and pneumatic transport of highly abrasive coarse materials e.g. sand, gravel, pellets, grain, sludge at increased pressure and vacuum; exhaust of liquids and gases; municipal service machines, industrial cleaning machines and other applications, where high resistance to bacteria, microbes and microorganisms is required.

**Description:**
- very good abrasion resistance
- tear and tensile resistant
- highly resistant to hydrolysis and microorganisms
- smoothed internal wall, which optimizes flow of media
- increased pressure and vacuum resistance
- transparent (colored on agreement)

**Properties:**
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -30°C ÷ +75°C
- abrasion coefficient: 35 mm³

---

**PUR SLEEVE FOIL BIO**

Wall thickness **0.8 mm**.

**PUR SLEEVE LIGHT BIO**

Wall thickness **1.4 mm**.

**Application:**
- ends of dedusting and exhaust systems; drain sleeves in containers and silos; protection of moving machine parts and other applications, where high resistance to bacteria, microbes and microorganisms is required.

**Description:**
- very good abrasion resistance
- light and flexible
- highly resistant to hydrolysis and microorganisms
- transparent (colored on agreement)

**Properties:**
- diameters (mm): DN90 - DN600
- length: up to 4 m
- working temperature: -30°C ÷ +75°C
- abrasion coefficient: 35 mm³

---

*Our offer includes also hoses PUR SUPER VACU AG or BIO with wall thickness of 2.4 mm and PUR MAMUT AG or BIO with wall thickness of 5-7 mm.*
FLAME RETARDANT HOSES

Hoses PUR UN are made of flame retardant polyester granulate. They are characterised by very good flexibility, good abrasion resistance and good resistance to UV radiation and hydrolysis. Hoses PUR UN have a flammability class V-0 according to the standards of American Underwriters laboratories - UL 94. They were designed for applications in potentially explosive areas, in machine parks or chemical plants. Static loads can be discharged by grounding a spiral.

**PUR FOIL UN**
- **Description:**
  - good abrasion resistance
  - very flexible and compressible
  - perfect for moving machines
  - shock absorbing
  - transparent (colored on agreement)
  - non-flammable
- **Application:** exhaust of solid abrasive materials e.g. dust, powder, sawdust or shavings; ventilation and dedusting systems; exhaust of air, fumes, oil mists; perfect for CNC machines and other applications in potentially explosive areas, where use of flame retardant hoses is required.
- **Properties:**
  - diameters (mm): DN32 - DN600
  - length: up to 10 m
  - working temperature: -40°C ÷ +80°C
  - abrasion coefficient: 50 mm³
  - flammability class: V-0

**PUR LIGHT UN**
- **Description:**
  - good abrasion resistance
  - very flexible and compressible
  - tear and tensile resistant
  - smoothed internal wall, which optimizes flow of media
  - shock absorbing
  - transparent (colored on agreement)
  - non-flammable
- **Application:** exhaust of solid abrasive materials e.g. dust, powder, granulates, pellets; sand; sawdust or shavings; ventilation and dedusting systems; exhaust of air, fumes, oil mists; applications in potentially explosive areas, where use of flame retardant hoses is required.
- **Properties:**
  - diameters (mm): DN20 - DN500
  - length: up to 10 m
  - working temperature: -40°C ÷ +80°C
  - abrasion coefficient: 50 mm³
  - flammability class: V-0

**PUR MEDIUM LIGHT UN**
- **Description:**
  - good abrasion resistance
  - flexible and compressible
  - tear and tensile resistant
  - smoothed internal wall, which optimizes flow of media
  - transparent (colored on agreement)
  - non-flammable
- **Application:** gravitational and pneumatic transport of abrasive materials e.g. powder, shavings, sawdust, wood chips, granulates, pellets, sand; exhaust of air, fumes, oil mists; as a durable protection hose; applications in potentially explosive areas, where use of flame retardant hoses is required.
- **Properties:**
  - diameters (mm): DN20 - DN500
  - length: up to 20 m
  - working temperature: -40°C ÷ +80°C
  - abrasion coefficient: 50 mm³
  - flammability class: V-0
**PUR HEAVY UN**
Suction and transport hose.
Wall thickness 2.1 mm.

**Application:**
gravitational and pneumatic transport of highly abrasive materials e.g. shavings, sawdust, granulates, pellets, sand, gravel, grain, ceramic dust, sludge; exhaust of liquids, air, fumes, oil mists; for industrial vacuum cleaners, granulate feeders, printing machines, compressors and other applications in potentially explosive areas, where use of flame retardant hoses is required.

**Properties:**
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -40°C ÷ +80°C
- abrasion coefficient: 50 mm³
- flammability class: V-0

**Description:**
- good abrasion resistance
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- increased pressure and vacuum resistance
- transparent (colored on agreement)
- non-flammable

---

**PUR SUPER HEAVY UN**
Suction and transport hose.
Wall thickness 2.1 mm.

**PUR VACU UN**
Suction and transport hose.
Wall thickness 2.1 mm.
Narrow spiral distances.

**Application:**
gravitational and pneumatic transport of highly abrasive coarse materials e.g. sand, gravel, grain, glass particles, granulates, pellets, shavings, sludge; exhaust of liquids and gases; as a durable protection hose; applications in potentially explosive areas, where use of flame retardant hoses is required.

**Properties:**
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -40°C ÷ +80°C
- abrasion coefficient: 50 mm³
- flammability class: V-0

**Description:**
- good abrasion resistance
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- increased pressure and vacuum resistance
- transparent (colored on agreement)
- non-flammable

---

* Our offer includes also hoses PUR SUPER VACU UN with wall thickness of 2.4 mm and PUR MAMUT UN with wall thickness of 5-7 mm.
Hoses PUR SP are made of special polyester polyurethane that meets the requirements of the EU Directive 2002/72/EC, PE Regulation 1935/2004 re organoleptic properties and global migration for model liquids A, B, C, which is confirmed by a received PZH Health Quality Certificate. Hoses PUR SP cannot be used for transport of fat.

Static loads can be discharged by grounding a spiral. Hoses type PUR MB and PUR PL have flammability class in accordance with American Underwriters Laboratories UL94 standards.

**PUR FOIL SP**

Highly flexible suction and transport hose. Wall thickness 0,5 mm.

**Application:**
- exhaust of bulk materials e.g. dust, powder, fibers;
- exhaust of air, fumes, oil mists; ventilation and dedusting systems in food industry; perfect for CNC machines.

**Properties:**
- diameters (mm): DN32 - DN600
- length: up to 10 m
- working temperature: -40°C ÷ +75°C
- abrasion coefficient: 30 mm³
- flammability class: V-II

**Description:**
- very good abrasion resistance
- very flexible and compressible
- perfect for moving machines
- shock absorbing
- transparent (colored on agreement)
- flame retardant acc. UL94

**PUR LIGHT SP**

Suction and transport hose. Wall thickness 0,7 mm.

**Application:**
- exhaust of solid abrasive materials e.g. dust, powder, granulates, pellets, flour, fine-grained food; ventilation and dedusting systems in food industry; exhaust of air, fumes, oil mists.

**Properties:**
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -40°C ÷ +75°C
- abrasion coefficient: 30 mm³
- flammability class: V-II

**Description:**
- very good abrasion resistance
- very flexible and compressible
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- shock absorbing
- transparent (colored on agreement)
- flame retardant acc. UL94

**PUR MEDIUM LIGHT SP**

Suction and transport hose. Wall thickness 0,9 mm.

**Application:**
- gravitational and pneumatic transport of abrasive materials e.g. powder, shavings, granulates, pellets, granulated food, flour, sugar, food waste, fodder; deducting systems and machines in food industry; exhaust of air, fumes, oil mists; as a durable protection hose.

**Properties:**
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -40°C ÷ +75°C
- abrasion coefficient: 30 mm³
- flammability class: V-II

**Description:**
- very good abrasion resistance
- flexible and compressible
- tear and tensile resistant
- smoothed internal wall, which optimizes flow of media
- flame retardant acc. UL94
<table>
<thead>
<tr>
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<td>• flame retardant acc. UL94</td>
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</tbody>
</table>

**PUR HEAVY SP**
Suction and transport hose.
Wall thickness **2,1 mm**.

Application:
gravitational and pneumatic transport of highly abrasive materials in food industry e.g. shavings, granulates, pellets, grain, sugar, granulated food, food waste, fodder; exhaust of liquids, air, fumes, oil mist; as a durable protection hose; for fodder feeders, granulate feeders.

**PUR SUPER HEAVY SP**
Suction and transport hose.
Wall thickness **2,1 mm**.

Application:
gravitational and pneumatic transport of highly abrasive coarse materials in food industry e.g. grain, granulates, pellets, sugar, granulated food, food waste, fodder; exhaust of liquids and gases; as a durable protection hose.

**PUR VAKUOVÁ SP**
Suction and transport hose.
Wall thickness **1,4 mm**.

Application:
gravitational and pneumatic transport of highly abrasive materials in food industry e.g. shavings, granulates, pellets, grain, sugar, granulated food, food waste, fodder; exhaust of liquids, air, fumes, oil mist; as a durable protection hose.

**PUR VACUUM SP**
Thick-walled hose.
Wall thickness **4,5 mm**

Application:
gravitational and pneumatic transport of liquid and solid food at increased pressure and vacuum e.g. grain, sugar, granulated food, fodder; exhaust of gases, air, fumes, vapors; as a durable protection hose.

**PVC VACUUM SP**
Thick-walled hose.
Wall thickness **4,5 mm**

Application:
gravitational and pneumatic transport of liquid and solid food at increased pressure and vacuum e.g. grain, sugar, granulated food, fodder; exhaust of gases, air, fumes, vapors; as a durable protection hose.

**PUR SLEEVE FOIL SP**
Wall thickness **0,8 mm**.

Application:
ends of dedusting and exhaust systems, sorters, grain elevators and other devices in food industry; drain sleeves in containers and silos; protection of moving machine parts.

**PUR SLEEVE LIGHT SP**
Wall thickness **1,4 mm**

Application:
ends of dedusting and exhaust systems, sorters, grain elevators and other devices in food industry; drain sleeves in containers and silos; protection of moving machine parts.
**POL VACCUM SP**
Thick-walled hose.
Wall thickness 4,5 mm.

**Application:**
transport of liquids, solids and gases in food industry; transporting plants for food, dairy, drinking water, alcohol etc.

**Description:**
- good abrasion resistance
- tear and tensile resistant
- perfect smooth walls, which optimizes flow of media
- good pressure and vacuum resistance

**Properties:**
- diameters (mm): DN16 - DN500
- length: up to 50 m
- working temperature: -15°C ÷ +85°C

---

**POL LIGHT SP**
Wall thickness 0,7 mm.

**POL MEDIUM LIGHT SP**
Wall thickness 0,9 mm.

**POL HEAVY SP**
Wall thickness 1,4 mm.

**Application:**
transport of liquids, abrasive solids and gases in food industry; dedusting systems and machines in food industry; transporting plants for food, dairy, drinking water, alcohol etc.

**Description:**
- good abrasion resistance
- tear and tensile resistant
- perfect smooth walls, which optimizes flow of media
- good pressure and vacuum resistance

**Properties:**
- diameters (mm): DN16 - DN500
- length: up to 20 m
- working temperature: -15°C ÷ +85°C

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* Our offer includes also hoses PUR SUPER VACU SP with wall thickness of 2,4 mm and PUR MAMUT SP with wall thickness of 5-7mm.
CHEMICAL RESISTANT HOSES

Hoses PVC are made of softened polyvinyl chloride. They are characterized by a high chemical resistance, very good flexibility and multipurpose use. They were designed for ventilation and transmission systems in woodwork, textile and chemical industry.

Hoses SANTOPRENE are made of highest quality thermoplastic vulcanized TPE - the compound of EPDM rubber and polypropylene. They are characterized by a high flexibility, excellent chemical resistance and durability. They were designed for applications with hard working conditions and aggressive environments.

### PVC FOIL
Highly flexible suction and transport hose. Wall thickness 0.5-0.7 mm.

**Application:** exhaust of bulk materials e.g. dust, powder or sawdust; ventilation and dedusting systems in woodwork, chemical or textile industry; exhaust of air, fumes, smoke, vapors; perfect for CNC machines.

**Description:**
- very good chemical resistance
- lightweight and very flexible
- perfect for moving machines
- shock absorbing
- transparent (colored on agreement)

**Properties:**
- diameters (mm):
  - DN 50 – DN 350 - wall thickness 0.5 mm
  - DN 400 – DN 600 - wall thickness 0.7 mm
- length: up to 10 m
- working temperature: -30°C + 70°C

### PVC LIGHT
Suction and transport hose. Wall thickness 0.7 mm.

**Application:** exhaust of bulk materials e.g. dust, powder, granulates, pellets, sawdust or shavings; ventilation and dedusting systems; exhaust of liquids and aggressive gases, air, fumes, vapors, smoke.

**Description:**
- very good chemical resistance
- lightweight and very flexible
- tear and tensile resistant
- shock absorbing
- transparent (colored on agreement)

**Properties:**
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -30°C + 70°C

### PVC MEDIUM LIGHT
Suction and transport hose. Wall thickness 0.9 mm.

**Application:** transport of bulk materials e.g. powder, shavings, sawdust, wood chips, granulates, pellets, sand; dedusting systems and machines in woodwork, chemical or textile industry; exhaust of liquids and aggressive gases, air, fumes, vapors, smoke.

**Description:**
- very good chemical resistance
- flexible and compressible
- tear and tensile resistant
- shock absorbing
- transparent (colored on agreement)

**Properties:**
- diameters (mm): DN20 - DN500
- length: up to 20 m
- working temperature: -30°C + 70°C
**PVC HEAVY**
Suction and transport hose.
Wall thickness 1,4 mm.

**Application:**
gravitational and pneumatic transport of abrasive materials e.g. shavings, sawdust, chemicals, granulates, pellets, sand, grain, ceramic dust, sludge; exhaust of liquids and agressive gases, air, fumes, vapors, smoke; as a durable protection hose; for industrial vacuum cleaners, granulate feeders, printing machines, compressors.

**Description:**
• very good chemical resistance
• tear and tensile resistant
• smoothed internal wall, which optimizes flow of media
• gas-tight
• increased thermal resistance
• color: black

**Properties:**
• diameters (mm): DN20 - DN500
• length: up to 20 m
• working temperature: -30°C ÷ +70°C

---

**PVC VACUUM**
Thick-walled hose.
Wall thickness 4,5 mm.

**Application:**
transport of abrasive solid materials, liquids and gases at increased pressure and vacuum e.g. sand, chemicals, ceramic dust, granulates, pellets, shavings, sludge, water, agressive gases, air, fumes, vapors, smoke; for suction and force pumps, lowering groundwater levels, application in agriculture and construction industry.

**Description:**
• very good chemical resistance
• tear and tensile resistant
• smoothed internal wall, which optimizes flow of media
• transparent (colored on agreement)

**Properties:**
• diameters (mm): DN16 - DN100
• length: up to 50 m
• working temperature: -30°C ÷ +70°C
• working pressure: 4 ÷ 9 bar

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**SANTOPRENE LIGHT**
Wall thickness 0,7 mm.

**SANTOPRENE MEDIUM LIGHT**
Wall thickness 0,9 mm.

**SANTOPRENE HEAVY**
Wall thickness 1,4 mm.

**Application:**
exhaust of hot and cold air, fumes, steam, chemical vapors, smoke engine exhaust gases and other agressive gases; ventilation and exhaust systems in automotive and chemical industry.

**Description:**
excellent chemical resistance (alkalis, acids and solvents vapors)
• very flexible and compressible
• smoothed internal wall, which optimizes flow of media
• gas-tight
• increased thermal resistance
• color: black

**Properties:**
• diameters (mm): DN20 - DN500
• length: up to 20 m
• working temperature: -40°C ÷ +135°C
HOSES WITH INCREASED THERMAL RESISTANCE

Hoses KLIN are low-pressure exhaust and blowing hoses made of technical fabrics with spiral steel profile. They are characterized by a high resistance to chemicals, thermal resistance and high flexibility. They were designed for the ventilation and exhaust systems in chemical industry, automotive industry, metallurgy and many others. Static loads can be discharged by grounding a spiral.

**KLIN TEFLOM B**

Exhaust low-pressure hose.

**Description:**
- excellent chemical resistance
- resistant to acid vapors
- very flexible and compressible
- small bending radius
- very good thermal resistance
- tear-resistant
- color: beige

**Application:**
- exhaust of hot and cold air, chemical fumes, vapors, smoke and aggressive gases;
- ventilation and exhaust systems.

**Properties:**
- hose wall: Teflon-coated fabric
- wall thickness: 0.1 mm
- diameters (mm): DN50 - DN1000
- length: up to 6 m
- working temperature: -150°C ÷ +260°C

**KLIN TEFLOM C**

Exhaust low-pressure hose.

**Description:**
- excellent chemical resistance
- resistant to acid vapors
- antistatic
- very flexible and compressible
- small bending radius
- very good thermal resistance
- tear-resistant
- color: black

**Application:**
- exhaust of hot and cold air, chemical fumes, vapors, smoke and aggressive gases;
- ventilation and exhaust systems in explosion hazard zones, where the use of antistatic hoses is required.

**Properties:**
- hose wall: antistatic Teflon-coated fabric
- wall thickness: 0.1 mm
- diameters (mm): DN50 - DN1000
- length: up to 6 m
- working temperature: -150°C ÷ +260°C
- resistance: 10^6 Ohm

**KLIN SILICONE**

Exhaust low-pressure hose.

**Description:**
- very good thermal resistance
- very good chemical resistance
- very flexible and compressible
- small bending radius
- tear-resistant
- color: red

**Application:**
- exhaust of hot and cold air, steam, chemical fumes, exhaust fumes, vapors, smoke and aggressive gases;
- granulate dryers, ventilation and exhaust systems in chemical and plastics industry.

**Properties:**
- hose wall: silicone-coated fabric
- wall thickness: 0.35 mm
- diameters (mm): DN50 - DN1000
- length: up to 6 m
- working temperature: -150°C ÷ +260°C
**KLIN GLASS FABRIC A**  
Exhaust low-pressure hose.  
**Application:**  
exhaust of hot air, fumes, chemical vapors, smoke and aggressive gases; ventilation and exhaust systems.  
**Description:**  
• very good thermal resistance  
• excellent chemical resistance  
• very flexible and compressible  
• small bending radius  
• tear-resistant  
• color: white/silver  
**Properties:**  
• hose wall: aluminized glass fabric  
• wall thickness: 0,25 mm  
• diameters (mm): DN40 - DN1000  
• length: up to 6 m  
• working temperature: up to +230°C

**KLIN GLASS FABRIC B**  
Exhaust low-pressure hose.  
**Application:**  
exhaust of hot air, fumes, chemical vapors, smoke and aggressive gases; ventilation and exhaust systems with high working temperature.  
**Description:**  
• excellent thermal resistance  
• very good chemical resistance  
• very flexible and compressible  
• small bending radius  
• tear-resistant  
• color: white/silver  
**Properties:**  
• hose wall: double aluminized glass fabric  
• wall thickness: 0,5 mm  
• diameters (mm): DN50 - DN1000  
• length: up to 6 m  
• working temperature: up to +400°C

**KLIN TEFOLON PTFE/GLASS FABRIC**  
Exhaust low-pressure hose.  
**Application:**  
exhaust of aggressive chemical vapors, hot air, fumes, smoke and gases; ventilation and exhaust systems; applied as a sleeve protector and compensators.  
**Description:**  
• excellent thermal resistance  
• flexible  
• gas-tight (low-pressure application)  
• tear-resistant  
• color: silver  
**Properties:**  
• hose wall: exterior - glass fabric, interior - Teflon  
• wall thickness: 0,5 mm  
• diameters (mm): DN50 - DN1000  
• length: up to 6 m  
• working temperature: up to +250°C

**KLIN HEAT-RESISTANT A**  
Exhaust low-pressure hose.  
**Application:**  
ventilation and exhaust systems; blowing of cold air in hot environment with sparkles on the outside of the hose; exhaust of vapors, fumes, smoke and gases in steelworks and other industries.  
**Description:**  
• excellent thermal resistance  
• flexible  
• gas-tight (low-pressure application)  
• tear-resistant  
• color: silver  
**Properties:**  
• hose wall: exterior - aluminized glass fabric, interior - stainless steel fabric  
• diameters (mm): DN50 - DN1000  
• length: up to 6 m  
• working temperature: up to +500°C

**KLIN HEAT-RESISTANT B**  
Exhaust low-pressure hose.  
**Application:**  
ventilation and exhaust systems in hot environments; exhaust of gases, hot and cold air, vapors, fumes, smoke and oil mists.  
**Description:**  
• excellent thermal resistance  
• flexible  
• gas-tight (low-pressure application)  
• tear-resistant  
• color: silver  
**Properties:**  
• hose wall: exterior - stainless steel fabric, interior - aluminized glass fabric  
• diameters (mm): DN50 - DN1000  
• length: up to 6 m  
• working temperature: up to +500°C
KLIN HEAT-RESISTANT THREE-PLY A and B
Exhaust low-pressure hose.

Application:
exhausting air at very high temperatures; exhaust of vapors, fumes, smoke with sparkles in steelworks, automotive and aviation industry.

Description:
• resistant to extreme high temperature
• flexible
• gas-tight (low-pressure application)
• tear-resistant
• color: silver

Properties:
• diameters (mm): DN90 - DN1000
• length: up to 6 m
• working temperature: up to +1100°C

• diameters (mm): DN90 - DN1000
• length: up to 6 m
• working temperature: up to +1400°C
EXHAUST HOSES FOR WELDING SMOKE AND FOR GASEOUS MEDIA

Hoses LUTNIOVINYL are low-pressure exhaust and blowing hoses made of technical fabric with safety certificate of Major Mining Institute GIG. These hoses were designed to meet the needs of underground mines, tunnel construction, shipyards, carpentry workshops, paint shops, welding shops and others. They are flame retardant, antistatic (surface resistance below 106 Ohm), resistant to oil, chemical fumes and solvent vapors. Static loads can be discharged by grounding a spiral.

Other hoses KLIN were designed for exhausting chemically aggressive gases in pharmaceutical industry, exhausting paint and varnish vapors, for application in woodworking and paper industry, for application in metallurgy, burning furnaces, for construction of motor vehicles, engines and many other applications.

**KLIN LUTNIOVINYL**
Exhaust hose with a safety certificate of GIG.

**Application:** ventilation and exhaust systems in explosion hazard zones; exhaust of gaseous media; low-pressure application.

*Also* possible KLIN LUTNIOVINYL with wall thickness of 0.3 mm (specifications as LUTNIOVINYL FOIL B)

**Description:**
- antistatic
- flame retardant
- lightweight and very flexible
- tear-resistant
- resistant to bending
- color: black

**Properties:**
- hose wall: both-side PVC coated fabric
- wall thickness: 0.5 mm
- diameters (mm): DN90 - DN1000
- length: up to 6 m
- working temperature: -15°C ÷ +70°C
- resistance: 10⁶ Ohm

**KLIN LUTNIOVINYL FOIL A**
Highly flexible exhaust hose with a safety certificate of GIG.

**Application:** moving ventilation and exhaust systems in explosion hazard zones; mobile plants and machines; exhaust of gaseous media; low-pressure application.

**Description:**
- antistatic
- flame retardant
- lightweight and very flexible
- tear-resistant
- resistant to bending
- color: black

**Properties:**
- hose wall: both-side PVC coated fabric
- wall thickness: 0.5 mm
- diameters (mm): DN80 - DN600
- length: up to 10 m
- working temperature: -10°C ÷ +70°C
- resistance: 10⁶ Ohm

**KLIN LUTNIOVINYL FOIL B**
Highly flexible exhaust hose.

**Application:** moving ventilation and exhaust systems in explosion hazard zones; mobile plants and machines; exhaust of gaseous media, exhaust fumes, welding smoke etc; low-pressure application.

**Description:**
- flame retardant
- lightweight and very flexible
- tear-resistant
- resistant to bending
- color: black

**Properties:**
- hose wall: both-side PVC coated fabric
- wall thickness: 0.3 mm
- diameters (mm): DN80 - DN600
- length: up to 10 m
- working temperature: -35°C ÷ +70°C
KLIN TPE
Exhaust low-pressure hose.

Application:
exhaust of gaseous media, exhaust fumes, welding smoke, engine exhaust etc;
low-pressure application.

Description:
• very flexible and compressible
• very good thermal resistance
• tear-resistant
• resistant to bending
• UV and ozone resistant
• color: gray

Properties:
• hose wall: both-side SANTOPRENE coated glass fabric
• wall thickness: 0,4 mm
• diameters (mm): DN90 - DN1000
• length: up to 10 m
• working temperature: -50°C ÷ +120°C

KLIN PUR AS
Exhaust low-pressure hose.

Application:
exhaust of air and gaseous media, exhaust of sawdust, textiles, paper fibers or other abrasive materials,
where the use of antistatic hoses is required;
low-pressure application.

Description:
• antistatic
• very flexible and compressible
• very good abrasion resistance
• good thermal resistance
• tear-resistant
• resistant to bending
• color: transparent

Properties:
• hose wall: antistatic polyurethane
• wall thickness: 0,5 mm
• diameters (mm): DN40 - DN1000
• length: up to 6 m
• working temperature: -30°C ÷ +90°C
• resistance: 10⁶ Ohm

KLIN PUR EL
Exhaust low-pressure hose.

Application:
exhaust of air and gaseous media, exhaust of sawdust, textiles, paper fibers or other abrasive materials,
where the use of conductive hoses is required,
especially in explosion hazard zones;
low-pressure application.

Description:
• conductive
• very flexible and compressible
• very good abrasion resistance
• good thermal resistance
• tear-resistant
• resistant to bending
• color: black

Properties:
• hose wall: conductive polyurethane
• wall thickness: 0,5 mm
• diameters (mm): DN40 - DN1000
• length: up to 6 m
• working temperature: -30°C ÷ +80°C
• resistance: 10⁴ Ohm

KLIN NITRILE
Exhaust low-pressure hose.

Application:
ventilation and exhaust systems;
exhaust of chemical fumes, solvent vapors,
liquid fuels and aggressive gaseous media;
low-pressure application.

Description:
• very flexible and compressible
• very good chemical resistance
• good thermal resistance
• tear-resistant
• small bending radius
• color: green

Properties:
• hose wall: both-side nitrile coated glass fabric
• wall thickness: 0,45 mm
• diameters (mm): DN50 - DN1000
• length: up to 6 m
• working temperature: -40°C ÷ +100°C

KLIN PUR UN
Exhaust low-pressure hose.

Application:
exhaust of air and gaseous media,
exhaust of sawdust, textiles, granulates or other
abrasive materials; low-pressure application in
potentially explosive areas, where use of flame
retardant hoses is required.

Description:
• very flexible and compressible
• good abrasion resistance
• tear-resistant
• small bending radius
• non-flammable
• color: transparent

Properties:
• hose wall: non-flammable polyurethane
• wall thickness: 0,5 mm
• diameters (mm): DN50 - DN1000
• length: up to 6 m
• working temperature: -30°C ÷ +80°C
• abrasion coefficient: 50 mm³
• flammability class: V-0
**KLIN CHLOROPRENE (NEOPRENE)**

**Exhaust low-pressure hose.**

**Application:**
ventilation and exhaust systems; exhaust of chemical fumes, oil mists and vapors, aggressive gaseous media etc; low-pressure application.

**Properties:**
- hose wall: both-side chloroprene coated glass fabric
- wall thickness: 0,4 mm
- diameters (mm): DN50 - DN1000
- length: up to 6 m
- working temperature: -35°C ÷ +100°C

**Description:**
- very flexible and compressible
- very good chemical resistance
- good thermal resistance
- tear-resistant
- small bending radius
- color: black

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**KLIN HYPALON**

**Exhaust low-pressure hose.**

**Application:**
ventilation and exhaust systems; exhaust of hot and cold air, hot steam, chemical fumes and vapors; resistant to UV radiation and ozone; low-pressure application.

**Properties:**
- hose wall: both-side hypalon coated glass fabric
- wall thickness: 0,4 mm
- diameters (mm): DN50 - DN1000
- length: up to 6 m
- working temperature: +50°C ÷ +120°C

**Description:**
- very flexible and compressible
- very good chemical resistance
- very good thermal resistance
- UV and ozone resistant
- tear-resistant
- small bending radius
- color: orange

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**KLIN PE (POLYETHYLENE)**

**Exhaust low-pressure hose.**

**Application:**
ventilation and air conditioning systems; exhaust of gaseous media, hot and cold air, fumes, vapors, for removing systems of asbestos waste; low-pressure application.

**Properties:**
- hose wall: hard polyethylene fabric both-side coated with soft polyethylene
- wall thickness: 0,5 mm
- diameters (mm): DN50 - DN1000
- length: up to 6 m
- working temperature: -30°C ÷ +70°C

**Description:**
- very flexible and compressible
- very good chemical resistance
- alternative to PVC hoses
- tear-resistant
- small bending radius
- color: gray

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**KLIN PVC**

**Exhaust low-pressure hose.**

**Application:**
ventilation and air conditioning systems, exhaust of air, chemical fumes, vapors and other gaseous media; low-pressure application.

**Properties:**
- hose wall: PVC
- wall thickness: 0,5 mm
- diameters (mm): DN50 - DN1000
- length: up to 6 m
- working temperature: -30°C ÷ +70°C

**Description:**
- very flexible and compressible
- very good chemical resistance
- tear-resistant
- small bending radius
- color: transparent

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**KLIN PUR MB**

**Exhaust low-pressure hose.**

**Application:**
ventilation and air conditioning systems, exhaust of air, chemical fumes, vapors and other gaseous media, exhaust of dust and soft powders; low-pressure application.

**Properties:**
- hose wall: polyester polyurethane
- wall thickness: 0,5 mm
- diameters (mm): DN50 - DN1000
- length: up to 6 m
- abrasion coefficient: 30 mm³
- working temperature: -40°C ÷ +75°C

**Description:**
- very flexible and compressible
- very good abrasion resistance
- tear-resistant
- small bending radius
- color: transparent
**KLIN PUR PL**
Exhaust low-pressure hose.

**Application:**
ventilation and air conditioning systems, exhaust of air, chemical fumes, vapors and other gaseous media, exhaust of dust and soft powders; low-pressure application.

**Properties:**
- hose wall: polyester polyurethane
- wall thickness: 0,5 mm
- diameters (mm): DN50 - DN1000
- length: up to 6 m
- abrasion coefficient: 30 mm³
- working temperature: -40°C ÷ +75°C

**Description:**
- very flexible and compressible
- very good abrasion resistance
- tear-resistant
- small bending radius
- color: transparent

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**KLIN PUR TM**
Exhaust low-pressure hose.

**Application:**
ventilation and air conditioning systems, exhaust of gaseous media and dust at increased working temperature up to 140°C; low-pressure application.

**Properties:**
- hose wall: thermal resistant polyester polyurethane
- wall thickness: 0,5 mm
- diameters (mm): DN50 - DN1000
- length: up to 6 m
- abrasion coefficient: 30 mm³
- working temperature: -40°C ÷ +104/140°C

**Description:**
- very flexible and compressible
- very good abrasion resistance
- very good thermal resistance
- tear-resistant
- small bending radius
- color: transparent
Metal hoses are made of galvanized or stainless steel profiled sheet. They are characterised by a good flexibility, good chemical resistance and very good thermal resistance.

**METAL HOSE TYPE A**
Galvanized steel, without sealing.

**Application:**
exhaust and transport of solid bulk materials eg. shavings, sawdust, granulates, powder, sand etc; as a durable protection hose.

**Description:**
- resistant to mechanical damage
- very good thermal resistance
- flexible
- polygonal construction

**Properties:**
- sheet thickness: 0.4 mm
- diameters (mm): DN50 - DN330
- length: up to 10 m
- working temperature: up to +500°C

**METAL HOSE TYPE B**
Galvanized steel, with silicone or fiberglass sealing.

**Application:**
exhaust and transport of solid bulk materials eg. shavings, sawdust, granulates, powder, sand etc; exhaust of gaseous media and liquids at low pressure; as a durable protection hose.

**Description:**
- resistant to mechanical damage
- very good thermal resistance
- flexible
- polygonal construction

**Properties:**
- sheet thickness: 0.4 mm
- diameters (mm): DN50 - DN330
- length: up to 10 m
- working temperature: with silicone sealing up to +300°C
  - with fiberglass sealing up to +500°C

**METAL HOSE TYPE C**
Stainless steel, without sealing.

**Application:**
exhaust and transport of solid bulk materials eg. shavings, granulates, powder, grain, shavings etc in food and chemical industry; as a durable protection hose.

**Description:**
- resistant to mechanical damage
- very good chemical resistance
- very good thermal resistance
- flexible
- polygonal construction

**Properties:**
- sheet thickness: 0.4 mm
- diameters (mm): DN50 - DN330
- length: up to 10 m
- working temperature: up to +500°C

**METAL HOSE TYPE D**
Stainless steel, with silicone or fiberglass sealing.

**Application:**
exhaust and transport of solid bulk materials eg. shavings, granulates, powder, grain, shavings etc in food and chemical industry; exhaust of gaseous media and liquids at low pressure; as a durable protection hose.

**Description:**
- resistant to mechanical damage
- very good chemical resistance
- very good thermal resistance
- flexible
- polygonal construction

**Properties:**
- sheet thickness: 0.4 mm
- diameters (mm): DN50 - DN330
- length: up to 10 m
- working temperature: with silicone sealing up to +300°C
  - with fiberglass sealing up to +650°C

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*Hose length is measured in uncompressed form!*
METAL HOSE TYPE E

Galvanized steel, without sealing.

Application:
exhaust and transport of solid bulk materials eg. shavings, sawdust, granulates, powder, sand etc;
as a cable protection hose.

Properties:
- sheet thickness: 0,2 mm
- diameters (mm): DN15 – DN73,5
- length: up to 10 m
- working temperature: up to +500°C

Description:
- resistant to mechanical damage
- very good thermal resistance
- lightweight and flexible
- polygonal construction

METAL HOSE TYPE F

Galvanized steel, with silicone or fiberglass sealing.

Application:
exhaust and transport of solid bulk materials eg. shavings, sawdust, granulates, powder, sand etc,
exhaust of gaseous media and liquids at low pressure;
as a cable protection hose.

Properties:
- sheet thickness: 0,2 mm
- diameters (mm): DN15 – DN73,5
- length: up to 10 m
- working temperature: with silicone sealing up to +300°C
  with fiberglass sealing up to +500°C

Description:
- resistant to mechanical damage
- very good thermal resistance
- lightweight and flexible
- polygonal construction

* Hose length is measured in uncompressed form!
HOSE CONNECTORS, CLAMPS, ATTACHMENTS

Antistatic hose connector for hose diameter Ø 40 mm with ending diameter Ø 40 mm

Antistatic hose connector for hose diameter Ø 50 mm with ending diameter Ø 50 mm

Antistatic hose connector for hose diameter Ø 40 mm with ending diameter Ø 50 mm

Rubber hose connector for hose diameter Ø 50 mm with ending diameter Ø 50 mm
HOSE CONNECTORS, CLAMPS, ATTACHMENTS

Connectors, reductions, T-pieces (Y-pieces) are made of galvanized steel. Hose clamps are made of stainless steel. We offer also non-standard connectors, reductions and T-pieces (Y-pieces) according to client’s need.

T-PIECES / Y-PIECES  REDUCTIONS  CONNECTORS

HOSE CLAMPS  HOSE CLAMPS  GBS CLAMPS
WITH BRIDGE

CAMLOCK CONNECTORS  HOSE VALVES
Supplier of industrial hoses
ATH INTERNATIONAL
TOMÁŠ HARAŠÍN
+420 720 553 181 / +420 736 439 436
info@hadice-prumyslove.cz / office@flexi-hoses.com