

**10.1 MIDI PHARMA - electrical execution**


CH-Pat. Nr. 693 588

**For the internal cleaning of hoses and tubes, wet or dry, Ø 25 - 150 mm**
**Reel trolley**

Mobile with splashproof control box and control panel. Control panel is swivel arm mounted.

Reel drive forwards / backwards.

Drive motor maxon 48 V, 50 Cy, 250 W with electronic torque control.

Basic device L x W x H 1250 x 520 x 1700 mm,  
with hose fixing-vice 2000 x 600 x 1700 mm (Option).

Circular washing device for cleaning flexible shaft (Option).

Power connection 230 V, N/P/PE, 50 Cy.

Deadweight about 150 kg.

Material st. st. grade 304, e-polished.

**Flexible drive shaft**

Length 10 m (useable length 8.5 m), up to 20 m length available as an Option.

Rotating brush head with quick lock fixing for Ø 25 - 150 mm.

**Media supply**

Shut off quick-release couplings with safety key, material st. st. grade 316.

Selector switches and valves for 3 media, e.g. cold, warm, pure water  
and also detergent solution feeding to the brush integrated in the hose.

**Detergents**

Space for two original 10 l containers at the bottom of the control box.

Dosage of detergents with solenoid driven diaphragm metering pump  
type ProMinent gamma/L 0713 PPE, suitable for alkaline or acid detergents.

**Tubes**

Minimum pipe bend 3 D from DN 100 mm

**10.2 MIDI PHARMA - pneumatic Ex Execution**


CH-Pat. Nr. 693 588

**For the internal cleaning of hoses and tubes, wet or dry, Ø 25 - 150 mm**
**Reel trolley**

Mobile with splashproof control box and control panel. Control panel is swivel arm mounted.

Reel drive forwards / backwards.

Pneumatic motor Atlas Copco.

Basic device L x W x H 1250 x 520 x 1700 mm,  
with hose fixing-vice 2000 x 600 x 1700 mm (Option).

Circular washing device for cleaning flexible shaft (Option).

Compressed air supply 6 - 10 bar

Deadweight about 150 kg.

Material st. st. grade 304, e-polished.

**Flexible drive shaft**

Length 10 m (useable length 8.5 m), up to 20 m length available as an Option.

Rotating brush head with quick lock fixing for Ø 25 - 150 mm.

**Media supply**

Shut off quick-release couplings with safety key, material st. st. grade 316.

Selector switches and valves for 3 media, e.g. cold, warm, pure water  
and also detergent solution feeding to the brush integrated in the hose.

**Detergents**

Space for two original 10 l containers at the bottom of the control box.

Dosage of detergents with self-priming SMC process pump  
type PA 3000, suitable for alkaline or acid detergents.

**Tubes**

Minimum pipe bend 3 D from DN 100 mm