

tim[®] GLUE

PREMIUM Pneumatic glue pumps

Maintenance-friendly

Premium pumps

with great temperature control accuracy and long service life

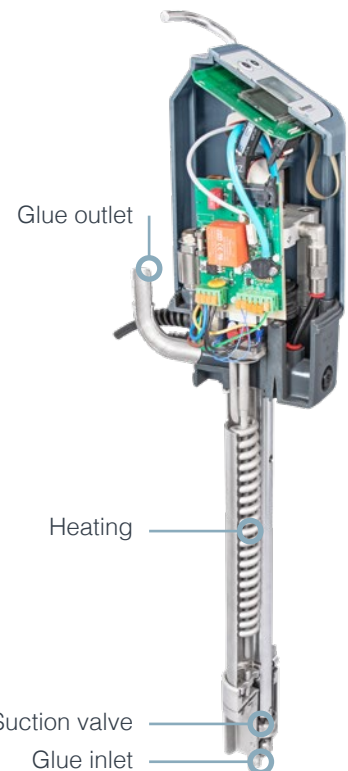
Industries:

Labelling
Beverage industry

Pneumatic glue pump with heating



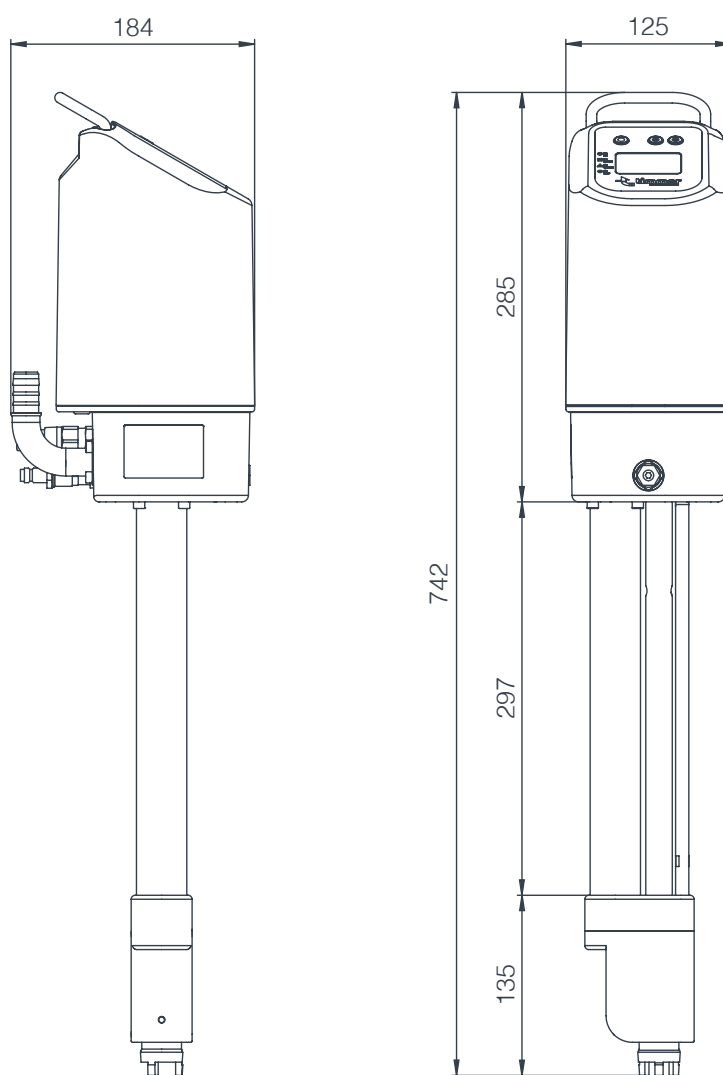
IP66



[www.timmer-pumps.com/
en/glue-pumps](http://www.timmer-pumps.com/en/glue-pumps)

PREMIUM-Pneumatic glue pump with heating PTI-D3-H-400

| Order no. | Type | Version | Power Supply | Housing |
|-----------|---------------------|-------------------------|------------------|---------|
| 54005000 | PTI-D3-H-400 | With integrated heating | Shock-proof plug | IP66 |
| 54005011 | PTI-D3-H-400-CEE | With integrated heating | CEE Euro plug | IP66 |
| 54005012 | PTI-D3-H-400-PROCON | With integrated heating | Procon plug | IP66 |



*Technical drawing:
All dimensions in mm*

The Timmer glue pump is a pneumatically driven piston pump with integrated heating and electronic control, which delivers glue in both stroke movements.

The stroke frequency (max. 2 Hz) can be shown on the display. As soon as the pump is started pneumatically, the glue conveying starts via

suction and pressure valves. The delivery rate of the medium is adjusted with a valve in the exhaust air.

Advantages of the Glue Pump Series D3

- Easy setting of the glue temperature via display
- Reproducible setting of the delivery rate
- Integrated maintenance indicator
- Excellent cleaning and flushing behavior (reduction of dead spaces)
- Waterproof according to IP66
- Material-friendly heating behavior
- Integrated electronic control
- Low compressed air consumption and reduced power consumption

Technical Data

| | |
|----------------------------|---|
| Drive | : pneumatic |
| Drive principle | : self-priming |
| Suction height | : 2 m of water column (20 °C) |
| Transmission | : 3.8 to 1 |
| Output (with water) | : max. 33 cm ³ per double stroke (4 l/min. / 240 l/h at 2 Hz) |
| Temperature of medium | : max. 50 °C – electronically adjustable |
| Viscosity of pumped medium | : max. 100.000 mPas |
| Low pulsation | : medium conveying both during suction and pressure movement |
| Connection - Suction side | : suction pipe (standard length 420 mm) |
| Connection - Pressure side | : hose nozzle, 19 mm |
| Weight | : 6.9 kg |
| Stroke speed | : max. 2 Hz |

Material

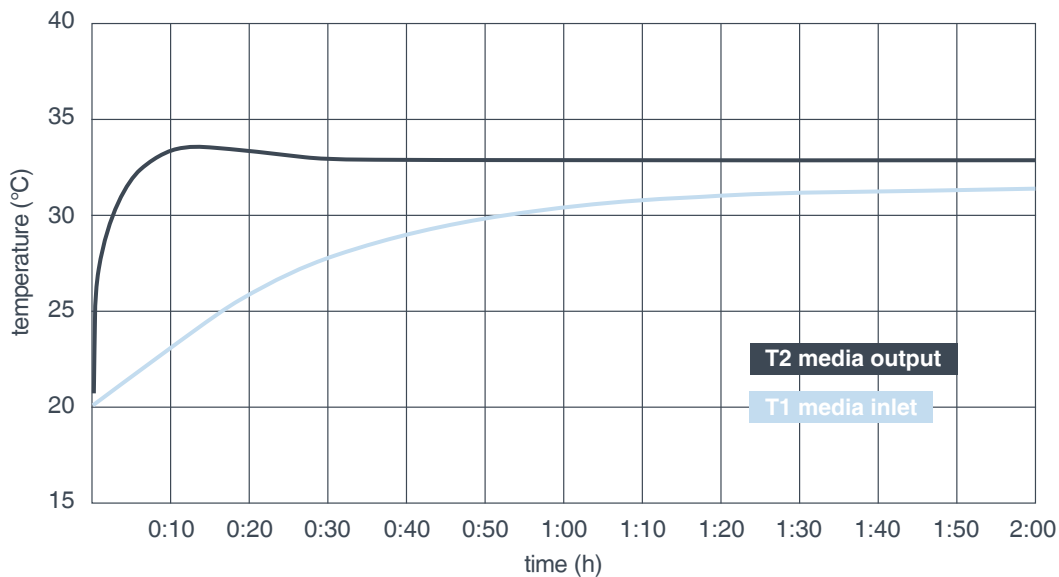
| | |
|---|-------------------|
| Housing cover | : ABS |
| Housing base | : POM |
| Housing of suction base | : Stainless steel |
| Valve balls, fluid | : Stainless steel |
| Riser pipe | : Stainless steel |
| Piston rod | : Stainless steel |
| Heating | : Stainless steel |
| Tie rods (2 pieces) | : Stainless steel |
| Nozzle (19 mm) | : Stainless steel |
| Handle | : Stainless steel |
| O-rings of suction- and pressure valves | : FKM |

Programming Options

- Temperature display C°/ F
- Preselection media temperature
- Stroke counting display
- Stroke frequency
- NFC: data readout via android smartphone or tablet
- Display of maintenance intervals



Control Performance Timmer D3, water, 0.5 Hz



Electrical Data - Glue Pump with Heating

| | |
|--|--|
| Electrical connection | : 200 - 240 V, 50/60 Hz |
| (110 V - version on request) | |
| Power consumption | : approx. 950 W at max. heating output |
| Power supply lead (shock-proof plug) - others on request | : 2 m rubber-insulated cable |
| Temperature control unit | : electronic |
| Temperature range | : adjustable up to +50 °C |
| Temperature setting | : via display & keypad/Timmer App |
| Housing | : IP66 |
| SPS interface | : optional |

Pneumatic data

| | |
|----------------------------|-------------------------------------|
| Compressed air connection | : plug-in nipple 7.2 NW |
| Operating pressure | : 3 - 6 bar filtered compressed air |
| Compressed air consumption | : max. 170 l/min at max. output |
| Actuator | : 5/2 way valve, electric |

Fluids

The pump is suitable for conveying various fluids (media).
Material resistance has to be examined on a case-by-case basis.

We will be pleased to give you advice about the suitability in your specific application.

Pneumatic glue pump without heating



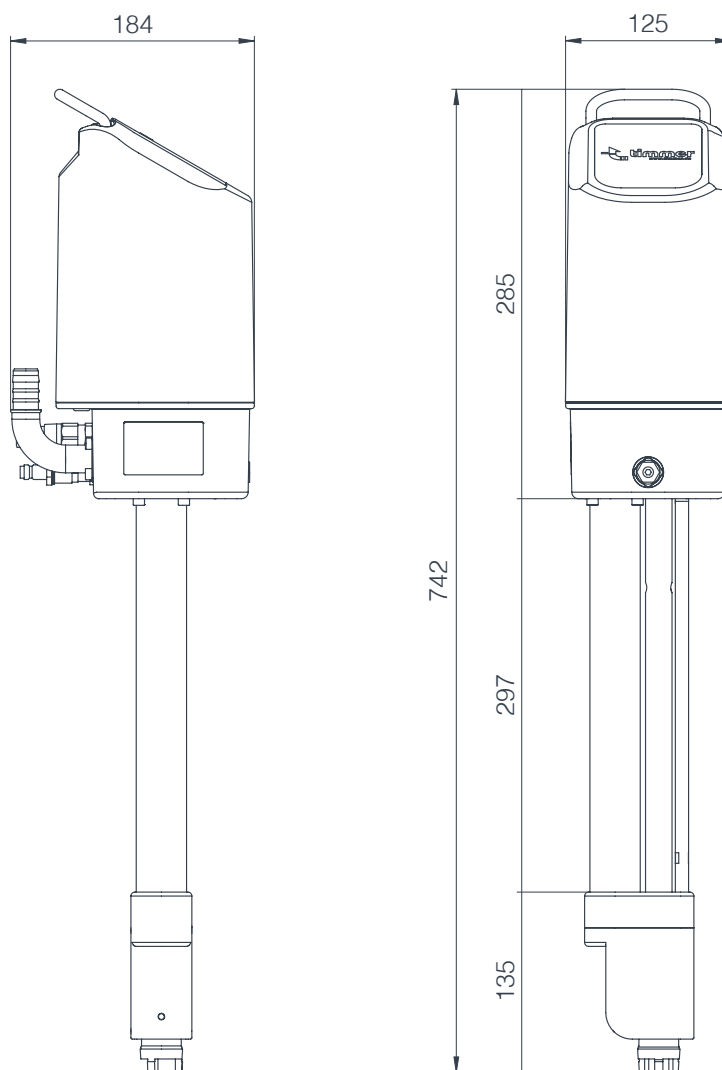
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PREMIUM-Pneumatic glue pump without heating PTI-D3-O-400

| Order no. | Type | Version | Power Supply | Housing |
|-----------|--------------|-----------------|---------------------|---------|
| 54005200 | PTI-D3-O-400 | Without heating | Standard, pneumatic | IP66 |



*Technical drawing:
All dimensions in mm*

This version is used if an additional heating of the medium is not required. The flow rate of the medium is adjusted with a valve in the exhaust air.

Advantages of the Glue Pump Series D3

- Waterproof according to IP66
- Excellent cleaning and flushing behavior (reduction of dead spaces)
- Low compressed air consumption

Technical Data

| | |
|----------------------------|---|
| Drive | : pneumatic |
| Drive principle | : self-priming |
| Suction height | : 2 m of water column (20 °C) |
| Transmission | : 3,8 to 1 |
| Output (with water) | : max. 33 cm ³ per double stroke (4 l/min. / 240 l/h at 2 Hz) |
| Viscosity of pumped medium | : max. 100.000 mPas |
| Low pulsation | : medium conveying both during suction and pressure movement |
| Connection - Suction side | : suction pipe (standard length 420 mm) |
| Connection - Pressure side | : hose nozzle, 19 mm |
| Weight | : 6,9 kg |
| Stroke speed | : max. 2 Hz |

Material

| | |
|--|-------------------|
| Housing cover | : ABS |
| Housing base | : POM |
| Housing of suction base | : Stainless steel |
| Valve balls, fluid | : Stainless steel |
| Riser pipe | : Stainless steel |
| Piston rod | : Stainless steel |
| Tie rods (2 pieces) | : Stainless steel |
| Nozzle (19 mm) | : Stainless steel |
| Handle | : Stainless steel |
| O-rings of suction- and pressure valves | : FKM |

Pneumatic Data

| | |
|----------------------------|-------------------------------------|
| Compressed air connection | : plug-in nipple 7.2 NW |
| Operating pressure | : 3 - 6 bar filtered compressed air |
| Compressed air consumption | : max. 170 l/min at max. output |
| Actuator | : pneumatic / oscillating |

Fluids

The pump is suitable for conveying various fluids (media).
Material resistance has to be examined on a case-by-case basis.

We will be pleased to give you advice about the suitability in your
specific application.

Container glue pump with heating



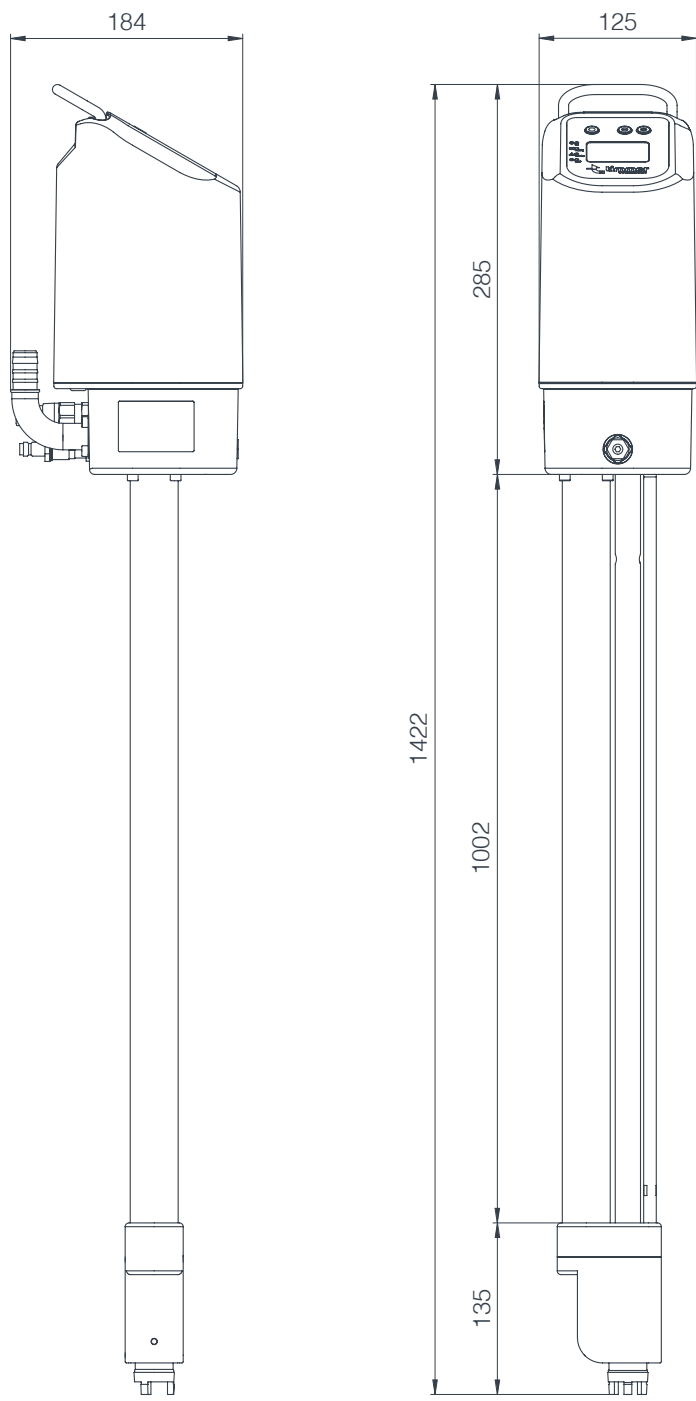
IP66



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PREMIUM-Pneumatic container glue pump with heating PTI-D3-H-Cont-400

| Order no. | Type | Version | Power Supply | Housing |
|-----------|-------------------|-------------------------|------------------|---------|
| 54005400 | PTI-D3-H-Cont-400 | With integrated heating | Shock-proof plug | IP66 |



Technical drawing:
All dimensions in mm

Container glue pump with heating

The Timmer container glue pump corresponds to the glue pump with heating, but is equipped with an extra long suction pipe for conveying glue

out of IBC containers. The number of strokes to be set via the integrated stroke counter determines the quantity of glue to be conveyed.

When the set number of strokes is reached, the pump switches to stop.

Electrical Data - Container Glue Pump with Heating

| | |
|--|--|
| Electrical connection (110 V - version on request) | : 200 - 240 V, 50/60 Hz |
| Power consumption | : approx. 950 W at max. heating output |
| Power supply lead (shock-proof plug) - others on request | : 2 m rubber-insulated cable |
| Temperature control unit | : electronic |
| Temperature range | : adjustable up to +50 °C |
| Temperature setting | : via display & keypad/Timmer App |
| Housing | : IP66 |
| SPS interface | : optional |

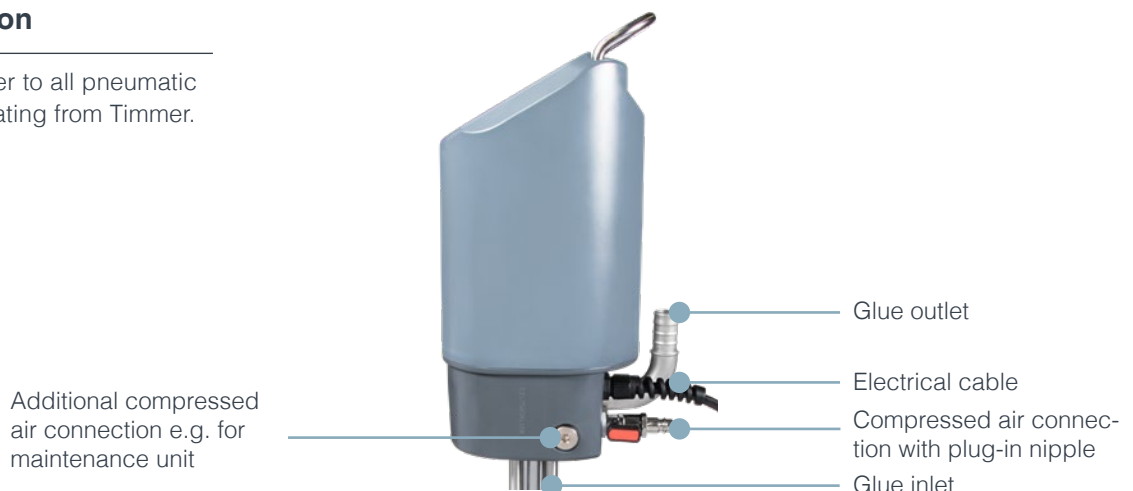
Programming Options

- Temperature display C°/ F
- Preselection media temperature
- Stroke counting display
- Stroke frequency
- NFC: data readout via android smartphone or tablet
- Display of maintenance intervals



Pump Connection

The connections refer to all pneumatic glue pumps with heating from Timmer.



Technical Data

| | |
|----------------------------|---|
| Drive | : pneumatic |
| Drive principle | : self-priming |
| Suction height | : 2 m of water column (20 °C) |
| Transmission | : 3.8 to 1 |
| Output (with water) | : max. 33 cm ³ per double stroke (4 l/min. / 240 l/h at 2 Hz) |
| Temperature of medium | : max. 50 °C – electronically adjustable |
| Viscosity of pumped medium | : max. 100.000 mPas |
| Low pulsation | : medium conveying both during suction and pressure movement |
| Connection - Suction side | : suction pipe, 1000mm |
| Connection - Pressure side | : hose nozzle, 19 mm |
| Weight | : 11.5 kg |
| Stroke speed | : max. 2 Hz |

Material

| | |
|---|-------------------|
| Housing cover | : ABS |
| Housing base | : POM |
| Housing of suction base | : Stainless steel |
| Valve balls, fluid | : Stainless steel |
| Riser pipe | : Stainless steel |
| Piston rod | : Stainless steel |
| Heating | : Stainless steel |
| Tie rods (2 pieces) | : Stainless steel |
| Nozzle (19 mm) | : Stainless steel |
| Handle | : Stainless steel |
| O-rings of suction- and pressure valves | : FKM |

Pneumatic Data

| | |
|----------------------------|-------------------------------------|
| Compressed air connection | : plug-in nipple 7.2 NW |
| Operating pressure | : 3 - 6 bar filtered compressed air |
| Compressed air consumption | : max. 170 l/min at max. output |
| Actuator | : 5/2 way valve, electric |

Fluids

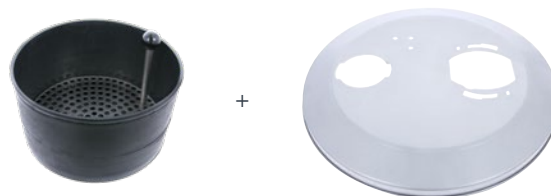
The pump is suitable for conveying various fluids (media).
Material resistance has to be examined on a case-by-case basis.

We will be pleased to give you advice about the suitability in your specific application.

Glue funnel and glue lid for the glue pump D3 (kit)

| Order no. | Type | Scope of supply |
|-----------|------|-----------------|
|-----------|------|-----------------|

| | | |
|----------|---------------------------|--|
| 59010020 | PTI-D3-ZUB-Leimdeckel-Set | Glue funnel with bayonet fitting POM, double sieve Aisi, glue lid Aisi |
|----------|---------------------------|--|



Glue lid for the glue pump D3

| Order no. | Type | Scope of supply |
|-----------|------|-----------------|
|-----------|------|-----------------|

| | | |
|----------|--------------------------|--------------------------|
| 59010018 | PTI-D3-ZUB-Leimdeckel-VA | Glue lid stainless steel |
|----------|--------------------------|--------------------------|



Glue funnel with double sieve for the glue pump D3

| Order no. | Type | Scope of supply |
|-----------|------|-----------------|
|-----------|------|-----------------|

| | | |
|----------|-------------------------|---|
| 59010019 | PTI-D3-Leimtrichter-Set | Glue funnel POM, double sieve stainless steel |
|----------|-------------------------|---|



Mounting clamp ring for height adjustment of the glue pump D3

| Order no. | Type | Scope of supply |
|-----------|------|-----------------|
|-----------|------|-----------------|

| | | |
|----------|-----------------------------|---|
| 55002010 | PTI-D3-ZUB-Montageklemmring | Clamp ring with bayonet fitting POM, screws stainless steel |
|----------|-----------------------------|---|



Accessories for PTI-D3-H-400 and PTI-D3-H-Cont-400 (optional)

Euro plug (CEE plug)

| Order no. | Type | Scope of supply |
|-----------|----------------------------|---|
| 52020071 | PTI-D2-ZUB-CEE-Formstecker | CEE plug 3x16 A, 220 V with cable pre-assembled kink protection |



Procon plug

| Order no. | Type | Scope of supply |
|-----------|--------------------------|-----------------|
| 52020070 | PTI-D2-ZUB-Proconstecker | Procon plug |



Compressed air connection with hose

| Order no. | Type | Hose length | Hose ø inside | Hose ø outside |
|-----------|--|-------------|---------------|----------------|
| 54000305 | PTI-D3-ZUB-Druckluftanschluss-Kombi-2m | 2 m | 6 mm | 12 mm |
| 54000306 | PTI-D3-ZUB-Druckluftanschluss-Kombi-5m | 5 m | 6 mm | 12 mm |

Scope of supply: Nipple, Filter regulator 1/4", PVC hose 12/6, coupler, completely assembled



Conveying hose PVC

| Order no. | Type | Hose length | Hose ø inside | Hose ø outside |
|-----------|------------------------------|-------------|---------------|----------------|
| 52020073 | PTI-D2-ZUB-Förderschlauch-2M | 2 m | 19 mm | 27 mm |
| 52020068 | PTI-D2-ZUB-Förderschlauch-5M | 5 m | 19 mm | 27 mm |

Scope of supply: Conveying hose PVC, incl. hose clamp

