## **Accessories**

# For PURE drum and container pumps 21 14 17 19 Hose 10 Nozzle 16 Balancer 17 • Equipotential bonding cable Hose clip **11** • Drum adapter Hose connection 12 • Clamping device 18 • Ex-plug 4 13 Installation flange 19 Ex-socket Hose connector

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Flow meter

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Tri-Clamp locking clamp

Tri-Clamp seal

Suitable for transferring combustible and easy flammable liquids (e.g. ethanol, petrol)

## For PURE drum and container pumps

**Specification** Order-No. Product detail

## 1 PVC spiral hose, fabric reinforced

Hose for food liquids made of PVC with woven layer and imbedded galvanized steel helix, inside and outside smooth, complies with EU-regulations 10/2011 and 1935/2004.

Operating pressure: max. 14 bar Temperature of medium: -5 up to +65 °C Nominal diameter: Weight:

0374-466 DN 19 (3/4") 0.45 kg/m 0.67 kg/m 0374-467 DN 25 (1") DN 32 (1 1/4") 0.80 kg/m 0374-468



Hose for food liquids made of PVC with imbedded galvanized steel helix, inside and outside smooth, complies with EU-regulations 10/2011 and 1935/2004.

Operating pressure: max. 5 bar Temperature of medium: -5 up to +65 °C Nominal diameter: Weight: DN 19 (3/4") 0.31 kg/m 0.51 kg/m DN 25 (1")

0374-457 0374-440 DN 32 (1 1/4") 0.66 kg/m 0374-441



## 1 Universal chemical hose

Colour coding: "blue/white/blue".

Suitable for food and luxury foodstuffs, pharmaceuticals, cosmetics and hygiene products. Conform to FDA and USP class VI. Complies with EU-regulations 10/2011 and 1935/2004. Internal finish: UPE light with spiraled OHM conductive stripes UPE black, smooth, non-bleeding, abrasion-resistant.

Intermediate layer: EPDM conductive (complies with the requirements of the recommendation XXI category 2 of the BfR and FDA standards).

External finish: EPDM light grey, conductive, non-bleeding, ozone- and UV resistant, hardly flammable, (starting from DN 25 with galvanized steel helix, suitable as suction and pressure hose). Electrically conductive Type  $\Omega/T$  (<10 $^6$  Ohm between the fittings, <10 $^9$  Ohm through the hose wall) according to DIN EN 12115:2011.

Operating pressure: max. 16 bar

Temperature of medium: -30 up to +100 °C (dependant on the liquid), sterilisable at 130 °C for 30 minutes (open ends)

Nominal diameter: Weight:

DN 19 (3/4") 0.6 kg/m 0374-475 DN 25 (1") 0.8 kg/m 0374-476 DN 32 (1 1/4") 0.9 kg/m 0374-477



## 2 Hose clips

Stainless steel hose clips with threaded screw for fixing hoses of various nominal bore at the hose connection.

Nominal diameter:

DN 19 (3/4") 0301-400 DN 25 (1") 0301-401 DN 32 - 38 (1 1/4" - 1 1/2") 0302-402



## **Accessories**

## For PURE drum and container pumps

Product detail

## **Specification**

### Order-No.



#### **Caution:**

The assembler is responsible for the professional bonding of the hose according to the current Pressure Equipment Directive.

## 3 Hose connection with Tri-Clamp

For connection of the hose onto the pump, nozzle or Tri-clamp armatures (consisting of hose connector, locking clamp and seal)

Material: stainless steel (1.4404)

Connection:	for hose with nominal of	diameter:Seal:	
Tri-Clamp DN 32	DN 19 (3/4")	EPDM	0204-870
Tri-Clamp DN 32	DN 19 (3/4")	FPM	0204-871
Tri-Clamp DN 32	DN 25 (1")	EPDM	0204-872
Tri-Clamp DN 32	DN 25 (1")	FPM	0204-873
Tri-Clamp DN 32	DN 32 (1 1/4")	EPDM	0204-874
Tri-Clamp DN 32	DN 32 (1 1/4")	FPM	0204-875
Tri-Clamp DN 32	DN 38 (1 1/2")	EPDM	0204-876
Tri-Clamb DN 32	DN 38 (1 1/2")	FPM	0204-877

## For individual needs, e.g. for connection to on-site Tri-clamp armatures: Tri-clamp hose connector (1.4404):

DN 32 for hose DN 19	0370-093
DN 32 for hose DN 25	0370-094
DN 32 for hose DN 32	0370-095
DN 32 for hose DN 38	0370-096

#### Tri-clamp locking clamp (1.4408):

DN 25/32/40			0370-088

## Tri-Clamp seals:

DN 32. EPDM	0314-596
DN 32. FPM	0314-597
DN 40, EPDM	0314-598
DN 40, FPM	0314-599

## 3 Adapter fitting Tri-Clamp

DN 32 on tube fitting DIN 11851 **0172-668** Rd 58 x 1/6 (DIN 405)



## 4 Hose connector with Tri-clamp

For connection of conductive hose onto the pump, nozzle or Tri-clamp armatures in explosive hazardous area. The hose connector ensures a highly conduction transition between conductive hose and pump/armature. The ohmic resistance between the armatures must be lower than 10<sup>6</sup> Ohm. (Consisting of hose connector, clamp collars, locking clamp and seal). Material: stainless steel (1.4404)

for hose with nominal	diameter:Seal:	
DN 19 (3/4")	EPDM	0204-860
DN 19 (3/4")	FPM	0204-861 🛑
DN 25 (1")	EPDM	0204-862 🛑
DN 25 (1")	FPM	0204-863 🛑
DN 32 (1 1/4")	EPDM	0204-864 🔵
DN 32 (1 1/4")	FPM	0204-865 🛑
DN 38 (1 1/2")	EPDM	0204-866 🛑
DN 38 (1 1/2")	FPM	0204-867 🔵
	DN 19 (3/4") DN 19 (3/4") DN 25 (1") DN 25 (1") DN 32 (1 1/4") DN 32 (1 1/4") DN 38 (1 1/2")	DN 19 (3/4") FPM DN 25 (1") EPDM DN 25 (1") FPM DN 32 (1 1/4") EPDM DN 32 (1 1/4") FPM DN 38 (1 1/2") FPM

## For individual needs, e.g. for connection to on-site Tri-clamp armatures: Tri-clamp hose connector (1.4404):

DN 32 for hose DN 19	0300-174
DN 32 for hose DN 25	0300-175
DN 32 for hose DN 32	0300-176
DN 40 for hose DN 38	0300-177

## Clamp collar (1.4408):

DN 19	030	00-180
DN 25	030	0-181
DN 32	030	0-182
DN 38	030	00-183

## Tri-Clamp locking clamp (1.4408):

DN 25/32/40 **0370-088** 

#### **Tri-Clamp Seals:**

0314-596
0314-597
0314-598
0314-599

## For PURE drum and container pumps

## Specification Order-No. Product detail

#### 10 Nozzle SS

Ideally suitable for filling and transferring liquids – also for combustible and highly flammable liquids – in food and pharmaceutical industry.

Stainless steel (1.4571) housing and valve tappet. With hoop guard and rotating joint.

Operating pressure: up to 3 bar
Viscosity: up to 760 mPas
Flow rate: up to 50 l/min. (water)

Temperature of medium: up to 80 °C
Weight: approx. 1 kg
Connection: Tri-Clamp DN 32
Seal: FPM or EPDM

Basic price nozzle SS<sup>A</sup>
Additional price version: PURE FPM<sup>A</sup>
Additional price version: PURE EPDM<sup>A</sup>

APlease choose Order-No. basic price nozzle + Order No. additional price version: PURE



## 11 Drum adapter in PP

For fixing the pump in the drum opening. For pump tube Ø 41 mm
Outer thread G 2

11 Drum adapter in PE (electrically conductive)

For fixing the pump in the drum opening.

For pump tube Ø 41 mm

Outer thread G 2
Outer thread BCS 56 x 4
Outer thread BCS 70 x 6

0208-055

0208-052

0208-054

0208-007

0204-370

0204-820

0204-821

## 12 Clamping device SS (1.4571)

To fasten the drum pumps in open-topped drums and containers. For pump tube Ø 41 mm

0205-040



## 13 Installation flange SS (1.4571)

For fixing the drum and container pump according to DIN 2573, DN 50, PN 6 to a companion flange. The flange is welded onto the pump tube. For pump tube  $\emptyset$  41 mm

0151-622



#### 14 Wall bracket

For safe storage of the pump when not in use.

0204-308



## **Accessories**

## For PURE drum and container pumps

## Product detail

## **Specification**

Order-No.



### 15 Lifting device

To simplify the process of lifting the pump in and out of drums and containers.

For pumps with motors MA II and ME II For pumps with motors B4/GT 0211-047 0214-196



#### 16 Balancer

for drum pump, with infinitely adjustable load balancer for easy lifting and moving of the pump.

0371-012

Load bearing capacity: 10-14 kg Tackle: 2 m



## 17 Equipotential bonding cable

Serves to create electrically conductive connection between explosion proof pump and container as earthing and equipontential bonding function.

2 m long with fastening clip

0204-994



## 18 Ex-plug

Ensures the safe mains connection of the pump in explosive hazardous areas. CEE round plug in accordance with EEx de IIC T6, splash proof in compliance with IP 65.

3-pole (alternating current) system CEAG for motor ME II 3-pole (alternating current) system STAHL

0336-536

for motor ME II **0336-540** 



#### 19 Ex-socket

Ensures the safe mains connection of the pump in explosive hazardous areas. CEE-socket in accordance with EEx de IIC T6, splash proof in compliance with IP 65.

3-pole (alternating current) system CEAG for motor ME II 3-pole (alternating current) system STAHL

0336-531

for motor ME II **0336-542** •



## 21 Modular electronical flow meter system, TS series, type VA10 in PURE version

For measuring of liquid foodstuffs, pharmaceuticals and cosmetics. Wide application range: directly at the drum pump, decentralized or in-line operation possible. With touch screen display, multilingual menu and simple plain text operation.

Also with volume preselection.

(Suitable connecting parts see items 8 and 9)

For more details see separate flow meter leaflet.



### 8 Tri-Clamp locking clamp (1.4408)

For fixing the flow meter VA10 PURE at the pump. (Suitable seal see item 9)

DN 25/32/40 0370-088 •

#### 9 Tri-Clamp seal

For fixing the flow meter VA10 PURE at the pump.

DN 32. EPDM	0314-596
DN 32. FPM	0314-597
DN 40, EPDM	0314-598
DN 40, FPM	0314-599

 Suitable for transferring combustible and easy flammable liquids (e.g. ethanol, petrol) or in explosive hazard area.