

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

## For B70V SanitaryPlus and B70 PURE

**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 °C up to +65 °C

 Nominal diameter:
 Weight:

 DN 25 (1")
 0.67 kg/m

 DN 32 (1 1/4")
 0.80 kg/m

 DN 38 (1 1/2")
 1.15 kg/m

 DN 50 (2")
 1.60 kg/m



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#### 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<sup>6</sup> Ohm between the fittings, <10<sup>9</sup> 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 25 (1")
 0.8 kg/m

 DN 32 (1 1/4")
 0.9 kg/m

 DN 38 (1 1/2")
 1.2 kg/m

 DN 50 (2")
 1.9 kg/m



0374-467

0374-468

0374-469

0374-470

0374-479

#### 2 Hose clips

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

Nominal diameter:

DN 25 (1") 0301-401
DN 32 - 38 (1 1/4" - 1 1/2") 0302-402
DN 50 (2") 0302-403



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#### **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 eccentric screw pump B70, discharge spout 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-Clamp DN 32**	DN 38 (1 1/2")	FPM	0204-877
Tri-Clamp DN 50	DN 38 (1 1/2")	EPDM	0172-746
Tri-Clamp DN 50	DN 38 (1 1/2")	FPM	0204-878
Tri-Clamp DN 50	DN 50 (2")	EPDM	0204-879
Tri-Clamp DN 50	DN 50 (2")	FPM	0204-880

# 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
DN 50 for hose DN 50	0370-097

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

DN 25/32/40		0370-088
DN 50		0370-084

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

DN 32. EPDM	0314-596
DN 32. FPM	0314-597
DN 40, EPDM	0314-598
DN 40, FPM	0314-599
DN 50, EPDM	0314-590
DN 50, FPM	0314-591

<sup>\*\*</sup> If using for eccentric screw pumps B70 an additional reducing piece DN 50 to DN 25/32/40 (Item 5) and a locking clamp (Item. 6) are required.

## 3 Adapter fitting Tri-Clamp

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

DN 50 on tube fitting DIN 11851 **0172-747** Rd 78 x 1/6 (DIN 405)

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

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#### **Specification** Order-No. Product detail

## 4 Hose connector with Tri-clamp

For connection of conductive hose onto the eccentric screw pump B70, discharge spout 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)

Connection:	for hose Nominal diameter:	Seal:	
Tri-Clamp DN 32**	DN 19 (3/4")	EPDM	0204-860 🛑
Tri-Clamp DN 32**	DN 19 (3/4")	FPM	0204-861
Tri-Clamp DN 32**	DN 25 (1")	EPDM	0204-862 🛑
Tri-Clamp DN 32**	DN 25 (1")	FPM	0204-863
Tri-Clamp DN 32**	DN 32 (1 1/4")	EPDM	0204-864 🛑
Tri-Clamp DN 32**	DN 32 (1 1/4")	FPM	0204-865
Tri-Clamp DN 40**	DN 38 (1 1/2")	EPDM	0204-866
Tri-Clamp DN 40**	DN 38 (1 1/2")	FPM	0204-867 🔵
Tri-Clamp DN 50	DN 50 (2")	EPDM	0204-868 🔵
Tri-Clamp DN 50	DN 50 (2")	FPM	0204-869 🔵

## 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
DN 50 for hose DN 50	0300-178

#### Clamp collar (1.4408):

DN 19	0300-180
DN 25	0300-181
DN 32	0300-182
DN 38	0300-183
DN 50	0300-184

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

Tri Clamp Soals:	
DN 50	0370-084
DN 25/32/40	0370-088

#### Tri-Clamp Seals:

DN 32. EPDM DN 32. FPM DN 40, EPDM DN 40, FPM DN 50. FPDM	0314-596 0314-597 0314-598 0314-599
DN 50, EPDM	0314-590
DN 50, FPM	0314-591

<sup>\*\*</sup> If using for eccentric screw pumps B70 an additional reducing piece DN 50 to DN 25/32/40 (Item 5) and a locking clamp (Item. 6) are required.



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Product detail		Specification	Order-No.
in a date detain	5		0300-185
	6	Tri-Clamp locking clamp Suitable for connection of armatures DN 50 to a connecting piece DN 50. Material: Stainless steel (1.4408) incl. seal. DN 50, Seal EPDM DN 50, Seal FPM	0172-745 • 0204-477 •
	7	Discharge spout  For mounting at the end of the hose for direct filling and transferring in containers incl. seal and clamp.  Material: Stainless steel (1.4301/EPDM)  Tri-Clamp DN 32  Tri-Clamp DN 40	0370-098 • 0370-099 •
	8	<b>Discharge spout</b> For mounting at the end of the hose for direct filling and transferring in containers incl. seal and clamp. Material: Stainless steel (1.4571. 1.4404/EPDM). Tri-Clamp DN 50	0172-748 ●
	22	Protection device for drum inliner  For mounting onto the pump foot. Protects sensitive drum inliner and bags from damage.  For pump tube B70V-H SanitaryPlus For pump tube B70V 120.1	0173-819 <b>•</b> 0175-332
	11	<b>Drum adapter in PP</b> For fixing the eccentric screw pump B70 in the drum opening. For pump tube Ø 52-54 mm Universal for all current drum and bunghole openings	0208-056
	12	Clamping device SS (1.4571) To fasten the eccentric screw pump B70 in open-topped drums and containers. For pump tube $\emptyset$ 52-54 mm	0205-052
	13	Installation flange SS (1.4571)  For fixing the eccentric screw pump B70 according to DIN 2573, DN 50, PN 6, to a companion flange. The flange is welded onto the pump tube.  For pump tube Ø 52-54 mm	0170-310
	14	Wall bracket For safe storage of the eccentric screw pump B70 when not in use. for B70V for B70V-SR	0204-309 0204-307

## For B70V SanitaryPlus and B70 PURE

Specification Order-No. Product detail

#### 16 Balancer

for eccentric screw pumps, with infinitely adjustable load balancer for easy lifting and moving of the pump

 Load bearing capacity: 18-22 kg
 Tackle: 2 m
 0371-013

 Load bearing capacity: 22-25 kg
 Tackle: 2 m
 0371-014

 Load bearing capacity: 25-30 kg
 Tackle: 2 m
 0371-015



#### 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 0 2 m long with two fastening clips for B70V-H Sanitary 0204-992 0



#### 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) CEAG 3-pole (alternating current) STAHL 5-pole (three phase current) CEAG 5-pole (three phase current) STAHL	for B70V-SR (Ex) for B70V-SR (Ex) for B70V (Ex) for B70V (Ex)	0336-536 • 0336-540 • 0336-537 • 0336-541 •
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#### 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) CEAG 3-pole (alternating current) STAHL 5-pole (three phase current) CEAG 5-pole (three phase current) STAHL	for B70V-SR (Ex) for B70V-SR (Ex) for B70V (Ex) for B70V (Ex)	0336-531 • 0336-542 • 0336-420 • 0336-543 •
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#### 23 Motor protective switch for motor B70V (Ex)

Explosion proof according to EEx de IIC T6 with thermal and electromagnetic trip, protection type IP 66. A lifting device and two cable protective coverings are necessary for the mounting.

Ex, 1.6 - 2.5 A	0335-414
Ex, 2.5 - 4.0 A	0335-419
Ex, 4.0 - 6.3 A	0335-420



#### 18 Coupling part, motor side

Intermediate flange for

When sourcing your own motor please order the correct coupling to suit the relative shaft diameter.

ø 28 mm

Shaft diameter:	ø 14 mm ø 19 mm ø 24 mm ø 28 mm (only in combination with intermediate flange)	0302-028 0302-027 0302-026 0302-029
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0172-850

#### 19 Lifting device

To simplify the process of lifting the pump in and out of drums or containers. When using an explosion proof driving motor the Ex-protective plug is mounted onto the lifting device.

for pump tube HD-E 0155-154 for B70V-SR with universal motor 0174-607

