



**Lutz Drum and Container Pumps
and Eccentric Screw Pumps**

Certified solutions

for the food and beverage industry



Safety is our Concern

Lutz pumps and flow meters for the food industry

During food production, raw materials and finished food products come into contact with various objects and materials, and must be suitable for this. This also includes devices and machine parts for commercial food production. These are defined as "food contact materials" and are specified in food product legislation.

Regulation (EC) 1935/2004



Pumps and flow meters in contact with food products are also considered to be food contact materials and are thus subject to strict legal regulations. In accordance with EU Regulation no. 1935/2004, these are to be produced in accordance with good manufacturing practice and may not release substances which pose a hazard to the health, cause unacceptable changes to the food products or impair their odour or taste.

Lutz drum pumps, flow meters and accessories meet the requirements of Regulation (EC) 1935/2004 and bear the "glass and fork" symbol to indicate their suitability for foodstuffs. The associated Regulation (EC) 10/2011 on plastics in contact with foodstuffs lists the migration values of chemicals which may not be exceeded in defined reagent tests.

FDA approval



The Food and Drug Administration in the USA certifies materials and substances and also defines limit values for extractable substances which must be complied with, as is the case with elastomers for aqueous or fatty food products (21 CFR 177.2600).

3-A Sanitary Standard



Beyond the safety of the materials used, the 3-A Sanitary Standard places stringent design requirements calling for a hygienically flawless and easy-to-clean design. Lutz 3-A Sanitary pumps consistently meet the requirements for hygienic design and are certified in accordance with the current version of the "3-A Sanitary Standards for Centrifugal and Positive Rotary Pumps, Number 02-10" and are thus equipped for the international market.

Lutz 3-A Sanitary pumps are consistently designed with manually detachable, threadless connections in areas coming into contact with liquids. They are quick and easy to dismantle for thorough cleaning and disinfection by hand or with tools such as a water stream or cleaning machines. All products covered in the product are easily accessible and visible.

Atex Directive



Pumps and flow meters from the PURE and Sanitary series are also available in an explosion-proof version in accordance with ATEX Directive 94/9/EC. They are well-suited for pumping highly flammable liquids in food and beverage production, such as alcohols, essential oils and flavourings, as well as cleaning products and disinfectants used for cleaning purposes.

PURE version



- + Physiologically safe type
- + High surface quality
- + Food-safe connections
- + Quick to dismantle, easy to clean
- + Also for alcoholic food products, cosmetics and pharmaceuticals and flammable cleaning products

B70V Sanitary in 3-A version



- + Hygienically designed according to the latest 3-A standards
- + Easily accessible and inspectable components
- + Thread-free, manually detachable quick connections
- + Polished metal surface
- + For liquid foodstuffs and luxury foodstuffs, pharmaceutical substances and cosmetic products.



Lutz drum pump

SS 41 in PURE version

A versatile and variable drum pump ideal for corrosive and neutral, aqueous to slightly viscous fluids in the production and processing of food products.

Properties:

- Materials in contact with liquids in food quality
- Shaft seal: Mechanically sealed (MS) or sealless (SL)
- Lutz hand wheel for quick motor assembly/disassembly and as carry handle
- Optionally available with electrical or compressed air drive with stageless speed controller
- Explosion-proof versions approved in accordance with the ATEX Directive 94/9/EC Category 1/2

Technical data:

- Materials: Stainless steel 1.4571, ETFE, high-grade carbon, ceramic, FPM or alternatively EPDM
- Flow rate: up to 243 l/min
- Delivery Head: up to 26 m wc
- Viscosity: up to 750 mPas
- Immersion depth: 700 to 2000 mm

Advantages:

- + Low weight, easy handling
- + Completely dismantable and cleanable
- + Two impeller forms for flow rate as required
- + Mechanically sealed (MS) version suitable for crystallizing and adhesive liquids, as well as liquids containing solids
- + Not filled with lubricants, preventing product contamination
- + Sealless version (SL) is suitable for limited dry running



Lutz complete drum drainage pump

RE SS 41 in PURE version

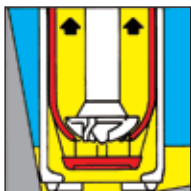
Lutz RE complete drum drainage pumps allow you to remove selected raw materials and valuable food products from drums and containers leaving virtually no residue.

Properties:

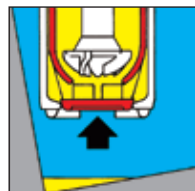
- Materials in contact with liquids in food quality
- Optimised drum residue discharge leaving a quantity of residue of approx. 0.1 litre
- Sealing mechanism in pump foot
- Lutz hand wheel for quick motor assembly/disassembly and as carry handle
- Optionally available with electrical or compressed air drive and with stageless speed controller
- Explosion-proof versions approved in accordance with the ATEX Directive 94/9/EC Category 1/2

Technical data:

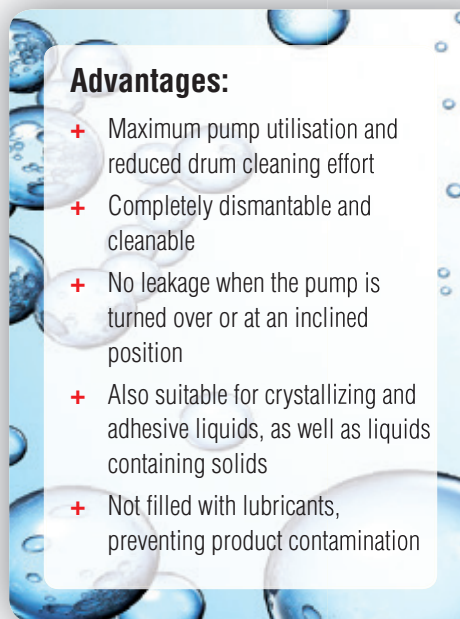
- Materials: Stainless steel 1.4571, PTFE, ETFE, high-grade carbon, ceramic, FPM or alternatively EPDM
- Flow rate: up to 78 l/min
- Delivery Head: up to 23 m wc
- Viscosity: up to 850 mPas
- Immersion depth: 700, 1000 and 1200 mm



Sealing pot is open:
The fluid is being pumped



Sealing pot is closed:
No fluid will return after the pump has been shut off and removed



Advantages:

- + Maximum pump utilisation and reduced drum cleaning effort
- + Completely dismantable and cleanable
- + No leakage when the pump is turned over or at an inclined position
- + Also suitable for crystallizing and adhesive liquids, as well as liquids containing solids
- + Not filled with lubricants, preventing product contamination





Advantages:

- + Agitator and pump in a single device
- + Can change function during ongoing operation without having to be switched
- + High mixing performance and flow rate for thorough homogenisation and rapid drainage
- + Completely dismantlable and cleanable
- + Also suitable for crystallizing and adhesive liquids, as well as liquids containing solids
- + Not filled with lubricants, preventing product contamination

Lutz mixing pump

MP SS 41 in PURE version

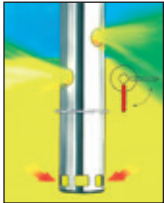
Lutz MP mixing pumps combine the function of agitator and pump in a single device. They are specifically developed for mixing and pumping food products which tend to form sediment after long periods of standing and must be homogenised before being processed.

Properties:

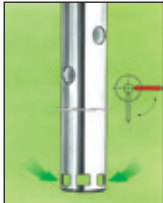
- Materials in contact with liquids in food quality
- For emulsions, dispersions, suspensions and colours which tend to form sediment
- Mixing apertures in the outer pipe can be opened and closed using a lever below the hand wheel
- Lutz hand wheel for quick motor assembly/disassembly and as carry handle
- Optionally available with electrical or compressed air drive with stageless speed controller
- Explosion-proof versions approved in accordance with the ATEX Directive 94/9/EC Category 1/2

Technical data:

- Materials: Stainless steel 1.4571, PTFE, ETFE, high-grade carbon, ceramic, FPM or alternatively EPDM
- Flow rate: up to 216 l/min
- Delivery Head: up to 14.5 m wc
- Viscosity: up to 650 mPas
- Immersion depth: 1000 and 1200 mm



Mixing apertures open:
The fluid is being mixed and pumped



Mixing apertures closed:
The fluid is being pumped



Lutz eccentric screw pump

HD-E SS in PURE version

The Lutz HD-E combines the advantages of a handy drum pump and the gentle operation of a robust eccentric screw pump. Ideal for pumping viscous raw materials and food products.

Properties:

- Displacement pump using the eccentric screw principle
- Materials in contact with liquids in food quality
- Low pulsation, even pumping flow
- Practically no abrasive effect on the medium
- Compact dimensions
- Easily detachable outer pipe
- High-performance single-phase 230 V/ 50 Hz motor or oil-free compressed air motor

Technical data:

- Materials: Stainless steel 1.4571, PTFE, NBR, FPM
- Flow rate: up to 20 l/min
- Pumping pressure: up to 4 bar
- Viscosity: 500 to 4000 mPas
- Immersion depth: 1000 mm



The pumping principle:

A metallic eccentric screw rotates in an elastomer or solids stator. The rotation leads to chambers being formed in which the liquids are enclosed and carried towards the pump outlet.



Advantages:

- + Ideal for slightly to moderately viscous liquids
- + Gentle product pumping
- + Quiet operation
- + Easy handling
- + Simple cleaning without tools
- + Not filled with lubricants, preventing product contamination





Lutz eccentric screw pump

B70V in PURE version

Lutz B70V PURE series eccentric screw pumps are well-suited for liquids which are highly viscous or susceptible to abrasion, as well as liquids with and without fibre or solid content. Quiet-running, low-wear three-phase or compressed air drives, or reduction gear and universal drive for mobile use.

Properties:

- Displacement pump using the eccentric screw principle
- Materials in contact with liquids in food quality
- Low pulsation, even pumping flow
- Practically no abrasive effect on the medium
- Easily detachable outer pipe
- For mobile and stationary use
- Optionally available with integrated frequency converter

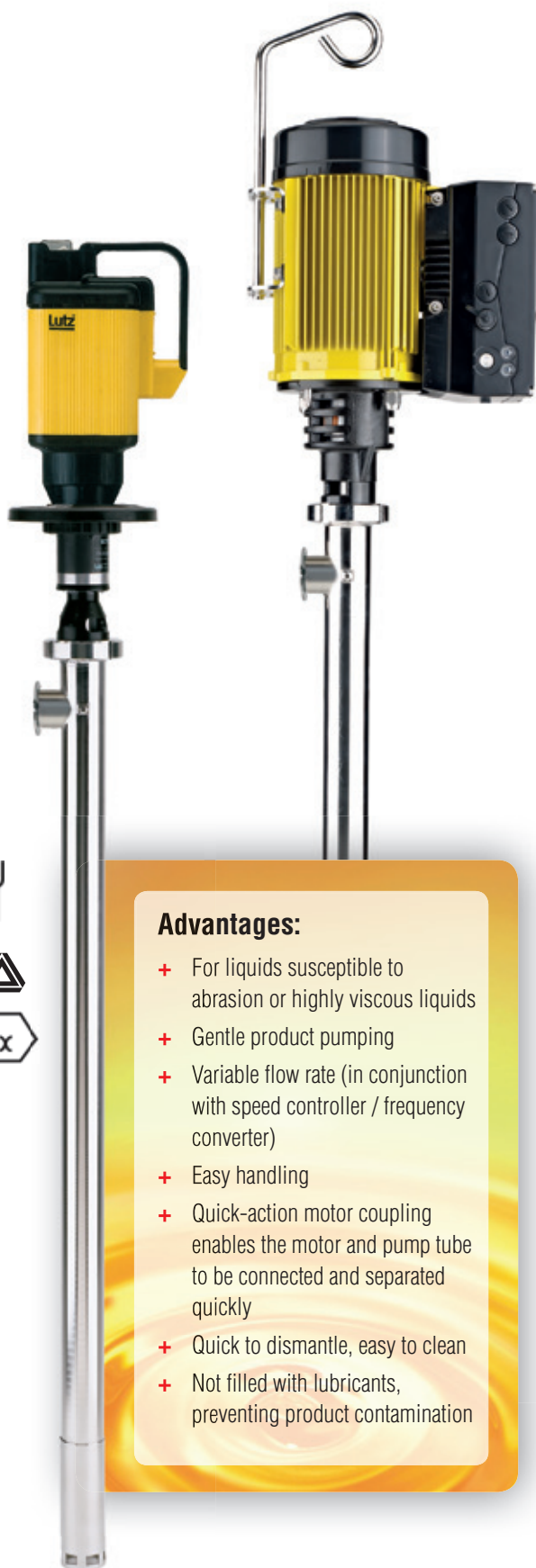
Technical data:

- Materials: Stainless steel 1.4571, WC/SiC, NBR, FPM, PTFE
- Flow rate: up to 120 l/min
- Pumping pressure: up to 10 bar
- Viscosity: up to flowability limit
- Immersion depth: 1000 and 1100 mm



Frequency converter

Enables stageless adjustment of the drive speed (0-900 1/min) for liquids such as highly viscous and sensitive products.



Advantages:

- + For liquids susceptible to abrasion or highly viscous liquids
- + Gentle product pumping
- + Variable flow rate (in conjunction with speed controller / frequency converter)
- + Easy handling
- + Quick-action motor coupling enables the motor and pump tube to be connected and separated quickly
- + Quick to dismantle, easy to clean
- + Not filled with lubricants, preventing product contamination





Lutz eccentric screw pump

B70V Sanitary in 3-A version

Lutz B70V sanitary pumps ensure gentle and hygienic pumping of liquid food and beverages, pharmaceutical substances and cosmetic products and are certified and approved in accordance with the latest "3-A Sanitary Standards for Centrifugal and Positive Rotary Pumps Number 02-10."

Properties:

- Displacement pump using the eccentric screw principle
- Hygienic design in accordance with the latest 3-A standards
- Low pulsation, even pumping flow
- Practically no abrasive effect on the medium
- Tri-clamp connection according to DIN 32676
- Deadleg-free design, polished surfaces
- Easily accessible and inspectable components
- Optionally available with integrated frequency converter
- Explosion-proof versions approved in accordance with the ATEX Directive 94/9/EC Category 1/2

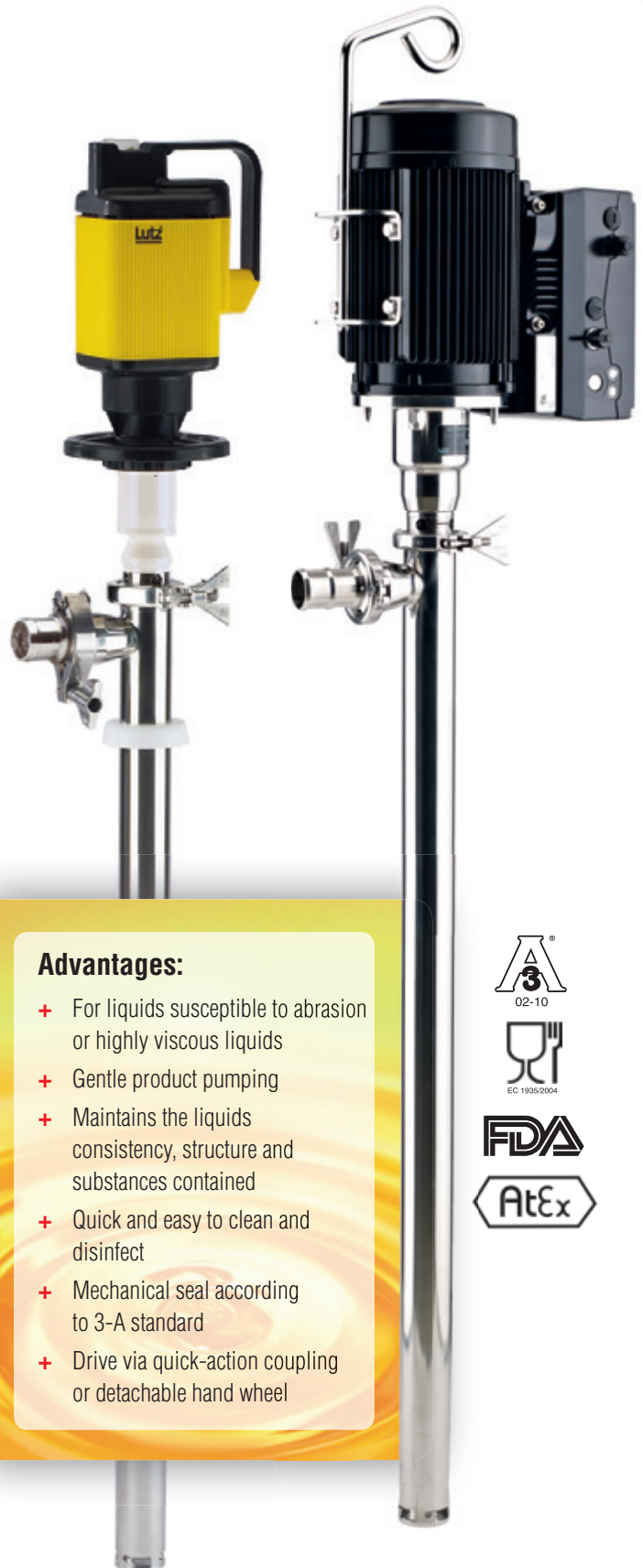
Technical data:

- Stainless steel (1.4571 / 1.4404) and 3-A/FDA and/or 1935/2004/EC conform plastics (PTFE) and elastomers (50.1) EPDM, FPM
- Open or closed (optional) mechanical seal WC/SiC in accordance with 3A Sanitary Standard
- Flow rate: up to 75 l/min
- Pumping pressure: up to 10 bar
- Viscosity: up to flowability limit
- Immersion depth: 1100 mm



Hygienic Design

Only manually detachable, thread-free connections are used in the areas in contact with the medium. The low-deadleg design virtually eliminates microbiological problems caused by germs and bacteria.



Advantages:

- + For liquids susceptible to abrasion or highly viscous liquids
- + Gentle product pumping
- + Maintains the liquids consistency, structure and substances contained
- + Quick and easy to clean and disinfect
- + Mechanical seal according to 3-A standard
- + Drive via quick-action coupling or detachable hand wheel





Lutz flow meter

TS VA10 SS in PURE version

The VA10 SS PURE flow measurement device with touch screen display and backlighting is very impressive thanks to its simple, practical display and user-friendly operation, multi-language interface and compact construction. The user guide with instructions in plain text, system reporting and assistance texts as well as safety and monitoring functions virtually eliminate the possibility of errors. It can also be operated manually or by external control.

Properties:

- Operates via nutating disc
- Materials in contact with liquids in food quality
- Touch screen display
- Multi-language menu guide
- Instructions in plain text
- Integrated assistance function
- Safety and monitoring functions
- With and without volume preselection
- "Plug & Play" module concept
- Explosion-proof versions approved in accordance with the ATEX Directive 94/9/EC Category 1/2

Technical data:

- Materials: Stainless steel 1.4581, ETFE, PVDF, PTFE, FEP or alternatively EPDM
- Flow rate: 10 to 100 l/min
- Pumping pressure: up to 10 bar
- Viscosity: up to 5000 m Pas

Volume preset

A relay module which can be integrated into the metering system automatically shuts off the pump motor and/or solenoid valve once the volume preset has been reached.



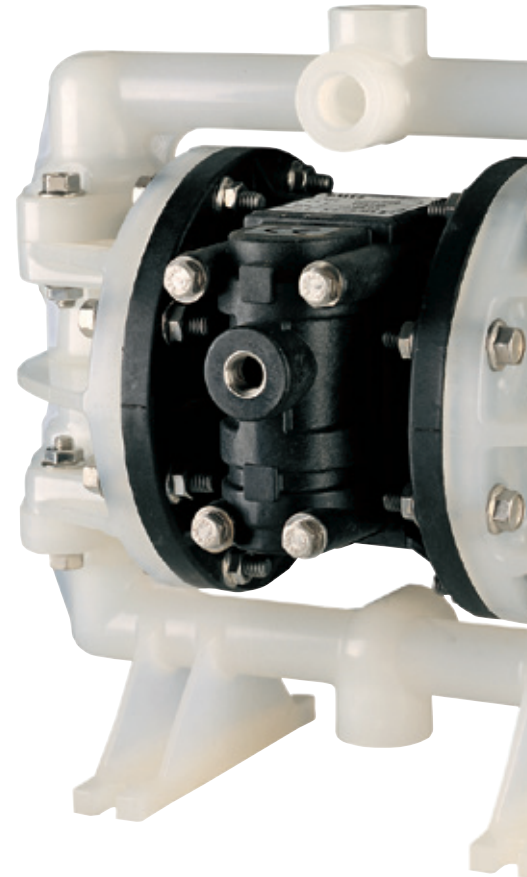
Advantages:

- + Precise volume detection of liquid food products and raw materials
- + Practical display and user-friendly operation
- + User-error protection
- + High measurement precision thanks to overrun correction
- + Simple calibration
- + Easy installation and starting up
- + External control / data evaluation via standard interfaces

FDA-conform double diaphragm pump

DMP 1/2"-1" made of plastic

In order to ensure a reliable filling process, the hoses, nozzles and curved spouts meet the requirements of the food and beverage industry.



Other accessories for food and beverages

In order to ensure a reliable filling process, the hoses, nozzles and curved spouts meet the requirements of the food and beverage industry.




Certified quality

All materials used have been tested and conform to the required standards. Our high quality standards are certified by a declaration of conformity.



Lutz Drum and Container Pumps




Pump tube SS PURE (stainless steel) for aqueous and fatty foodstuffs

Product detail	Pump tube	SS-SL		SS-MS		
	Type of impeller	L	R	L	R	
	Category 1 / 2 (acc. to ATEX)	no	no	yes	yes	
	Immersion tube diameter:	up to mm	41	41	41	41
	Temperature of medium:	up to °C	100	100	100	100
	Material:	Pump tube	1.4571	1.4571	1.4571	1.4571
		Impeller	PP	SS	ETFE	ETFE
	Hose connection:	Tri-Clamp DN	32	32	32	32
	Length: 700 mm*** ▲	Order No. basic pump	0150-003	0150-000	0151-003	0151-000
	Length: 1000 mm*** ▲	Order No. basic pump	0150-004	0150-001	0151-004	0151-001
	Length: 1200 mm*** ▲	Order No. basic pump	0150-005	0150-002	0151-005	0151-002
Version: PURE SL ▲	Order No. additional price	0150-350	0150-351	–	–	
Version: PURE MS Viton® ▲	Order No. additional price	–	–	0151-350	0151-351	
Version: PURE MS EPDM ▲	Order No. additional price	–	–	0151-352	0151-353	

▲Please choose Order-No. basic pump + Order-No. PURE additional price

Choice of motors

Operating data

	MI 4	MI 4-E	Characteristic curve no.	401	400	401	400		
	-	with speed controller	Flow rate* up to l/min.	117	210	117	210		
	Output: 500 W	500 W	Delivery head* up to m wc	19	10	19	10		
	Voltage: 230 V	230 V	Viscosity** up to mPas	500	350	500	350		
Order No.	0030-000	0030-001	Density**** up to kg/dm³	1,4	1,1	1,4	1,1		
			Weight (kg) Motor + pump tube	5,7	5,7	5,7	5,7		
	MA II 3		Characteristic curve no.	403	402	403	402		
	Output: 460 W	460 W	Flow rate* up to l/min.	95	178	95	178		
	Voltage: 230 V	230 V	Delivery head* up to m wc	14	9	14	9		
	LVR.: no	yes	Viscosity** up to mPas	350	200	350	200		
	Order No.	0060-000	0060-008	Density**** up to kg/dm³	1,6	1,2	1,6	1,2	
				Weight (kg) Motor + pump tube	7,5	7,5	7,5	7,5	
		MA II 5	MA II 5	MA II 5 S	Characteristic curve no.	405	404	405	404
	Output: 575 W	575 W	575 W	Flow rate* up to l/min.	100	190	100	190	
	Voltage: 230 V	230 V	230 V	Delivery head* up to m wc	16	10	16	10	
	LVR.: no	yes	no	Viscosity** up to mPas	700	550	700	550	
		acid-proof	Density**** up to kg/dm³	1,8	1,3	1,8	1,3		
Order No.	0060-001	0060-009	0060-091	Weight (kg) Motor + pump tube	8,3	8,3	8,3	8,3	
Low-voltage release (LVR.): Prevents the pump from starting up again without warning after a power failure. It is recommended when pumping hazardous liquids.	MA II 7		Characteristic curve no.	407	406	407	406		
	Output: 795 W	795 W	Flow rate* up to l/min.	115	210	115	210		
	Voltage: 230 V	230 V	Delivery head* up to m wc	20	13	20	13		
	LVR.: no	yes	Viscosity** up to mPas	500	400	500	400		
	Order No.	0060-002	0060-010	Density**** up to kg/dm³	1,9	1,4	1,9	1,4	
				Weight (kg) Motor + pump tube	9,5	9,5	9,5	9,5	
	B4/GT		Characteristic curve no.	411	410	411	410		
	Output: 750 W	750 W	Flow rate* up to l/min.	100	180	100	180		
	Voltage: 230/400 V	230/400 V	Delivery head* up to m wc	12	13	12	13		
	Protection switch: no	yes	Viscosity** up to mPas	500	400	500	400		
	Order No.	0004+019	0004+067	Density**** up to kg/dm³	2,2	2,0	2,2	2,0	
				Weight (kg) Motor + pump tube	13,7	13,7	13,7	13,7	

* Determined with water at 20 °C

** Determined with oil

*** Special lengths

200–2500 mm on request

**** Determined with 3 m hose 3/4" and open nozzle 3/4". Higher densities possible for shorter operating periods.

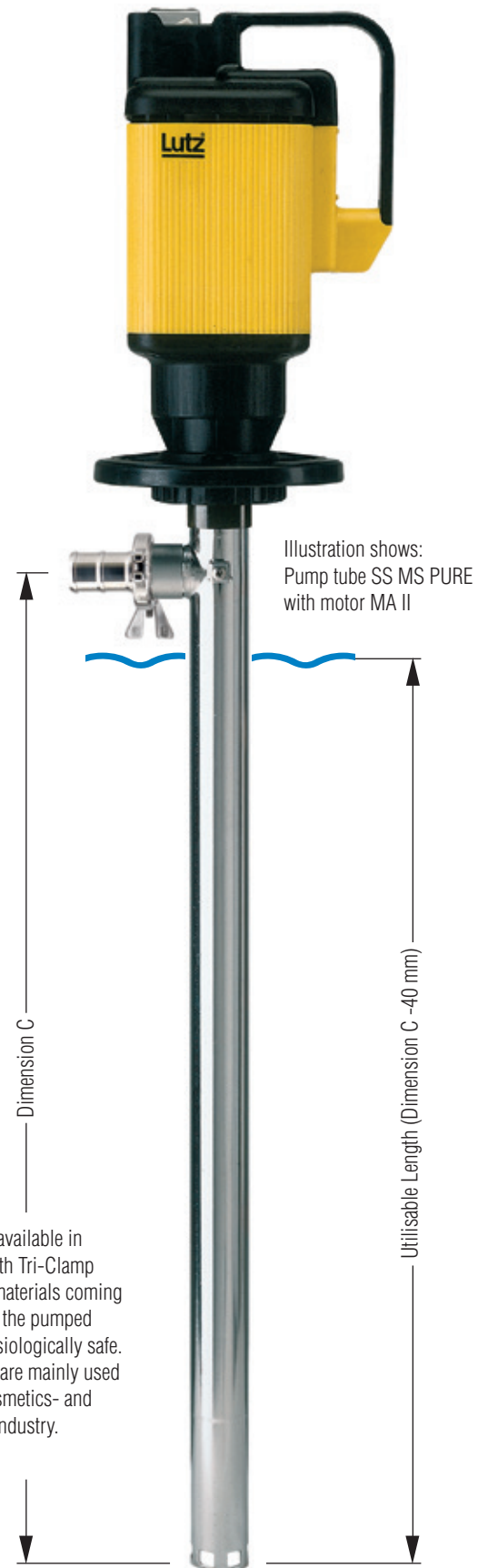
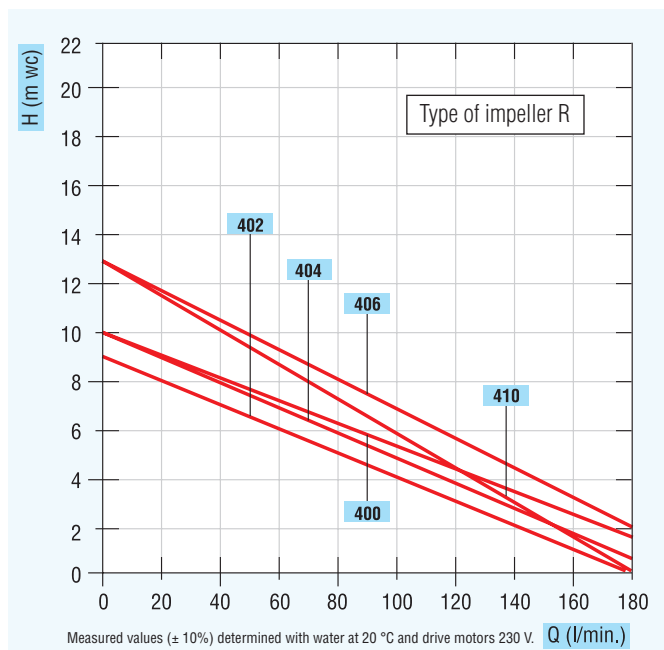
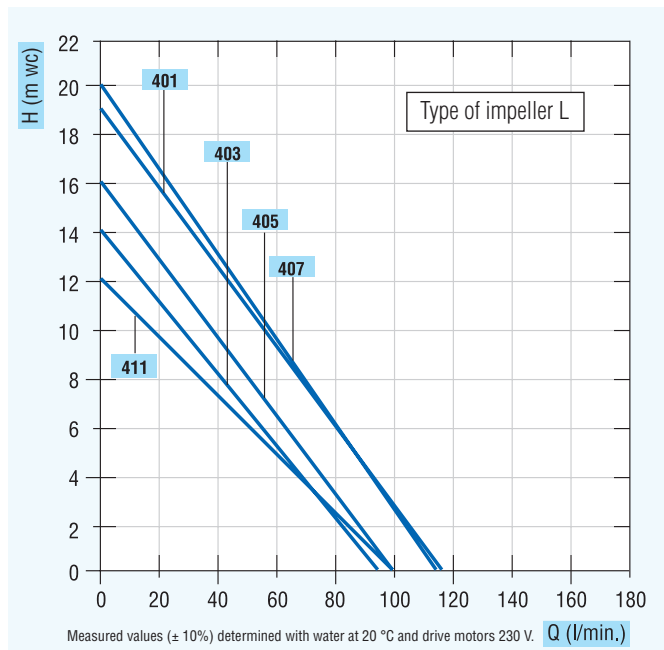
Special voltages and frequencies on request.

Pump Tube SS PURE (stainless steel)

for aqueous and fatty foodstuffs

Materials (coming into contact with the pumped medium):

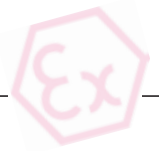
Version:	SL-R	SL-L	MS-FPM	MS-EPDM
Housing:	SS (1.4571)	SS (1.4571)	SS (1.4571)	SS (1.4571)
Impeller:	SS (1.4571)	PP	ETFE	ETFE
Seals:	none	none	FPM	EPDM
Mechanical seals:	none	none	Carbon, Ceramic, PTFE, SS (1.4571), HC-4 (2.4610)	Carbon, Ceramic, PTFE, SS (1.4571), HC-4 (2.4610)
Bearing:	Pure Carbon	Pure Carbon	Pure Carbon	Pure Carbon
Drive shaft:	SS (1.4571)	SS (1.4571)	SS (1.4571)	SS (1.4571)




Pump tube also available in PURE version with Tri-Clamp connection. All materials coming into contact with the pumped medium are physiologically safe. The pump tubes are mainly used in the food-, cosmetics- and pharmaceutical industry.

Please remember that the flow rate is reduced as the **Viscosity** increases. The **Density** of the pumped liquid similarly affects the flow rate, though to a lesser extent.



Lutz Drum and Container Pumps



Pump tube SS PURE (stainless steel) for alcoholic, highly inflammable foodstuffs

Product detail	Pump tube	SS-MS		
	Type of impeller	L	R	
	Category 1 / 2 (acc. to ATEX)	yes	yes	
	Immersion tube diameter:	up to mm	41	41
	Temperature of medium:	up to °C	100	100
	Material:	Pump tube	1.4571	1.4571
		Impeller	ETFE	ETFE
	Hose connection:	Tri-Clamp DN	32	32
	Length: 700 mm*** ▲	Order No. basic pump	0151-003	0151-000
	Length: 1000 mm*** ▲	Order No. basic pump	0151-004	0151-001
	Length: 1200 mm*** ▲	Order No. basic pump	0151-005	0151-002
Version: PURE Viton® ▲	Order No. additional price	0151-350	0151-351	
Version: PURE EPDM ▲	Order No. additional price	0151-352	0151-353	

▲Please choose Order-No. basic pump + Order-No. PURE additional price

Choice of motors	Operating data			
 	ME II 3	Characteristic curve no.	453	452
	Output: 460 W 460 W	Flow rate* up to l/min.	95	178
	Voltage: 230 V 230 V	Delivery head* up to m wc	14	9
	LVR.: yes no	Viscosity** up to mPas	350	200
		Density**** up to kg/dm³	1,6	1,2
	Order No. 0050-000 0050-016	Weight (kg) Motor + pump tube	8,7	8,7
	ME II 5	Characteristic curve no.	455	454
	Output: 580 W 580 W	Flow rate* up to l/min.	100	190
	Voltage: 230 V 230 V	Delivery head* up to m wc	16	10
	LVR.: yes no	Viscosity** up to mPas	700	550
	Density**** up to kg/dm³	1,8	1,3	
Order No. 0050-001 0050-017	Weight (kg) Motor + pump tube	9,6	9,6	
ME II 7	Characteristic curve no.	457	456	
Output: 795 W 795 W	Flow rate* up to l/min.	115	210	
Voltage: 230 V 230 V	Delivery head* up to m wc	20	13	
LVR.: yes no	Viscosity** up to mPas	500	400	
	Density**** up to kg/dm³	1,9	1,4	
Order No. 0050-002 0050-018	Weight (kg) Motor + pump tube	10,8	10,8	
ME II 8	Characteristic curve no.	459	458	
Output: 930 W 930 W	Flow rate* up to l/min.	123	243	
Voltage: 230 V 230 V	Delivery head* up to m wc	26	15	
LVR.: yes no	Viscosity** up to mPas	750	650	
	Density**** up to kg/dm³	1,9	1,4	
Order No. 0050-042 0050-041	Weight (kg) Motor + pump tube	10,8	10,8	

Low-voltage release (LVR):
Prevents the pump from starting up again without warning after a power failure. Compulsory for explosive areas, in case no special measures are taken (e.g. remote control).

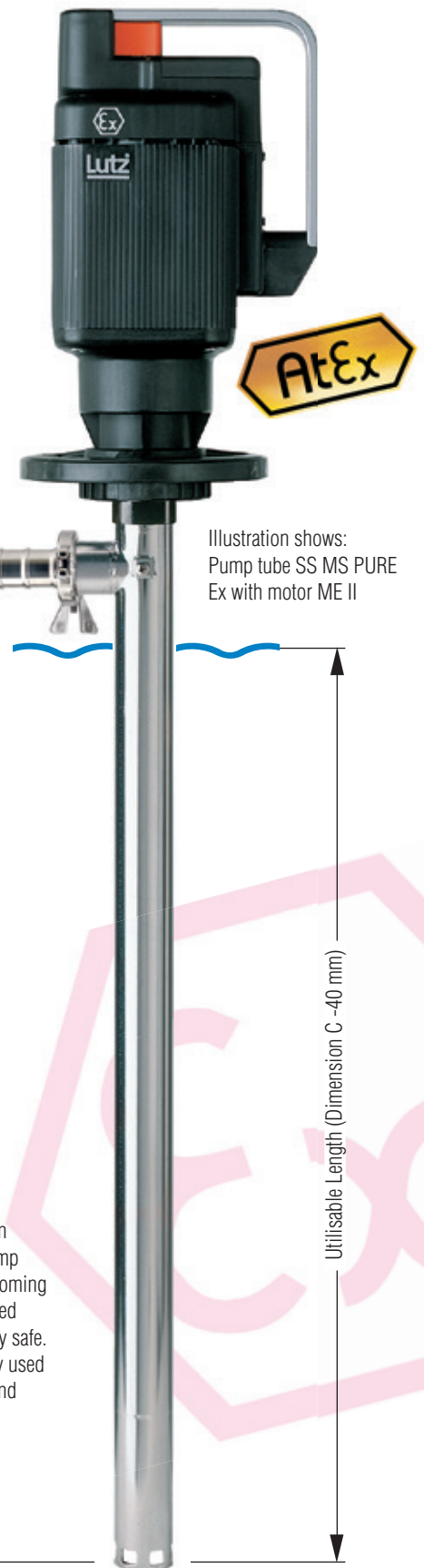
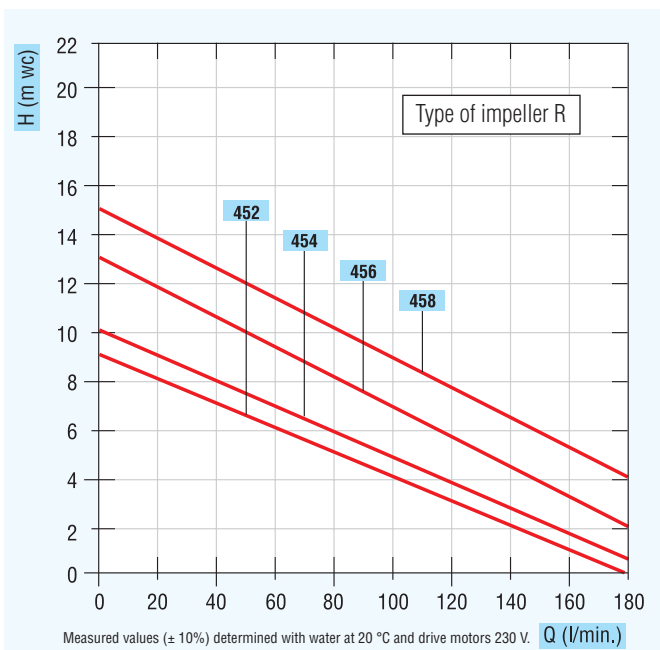
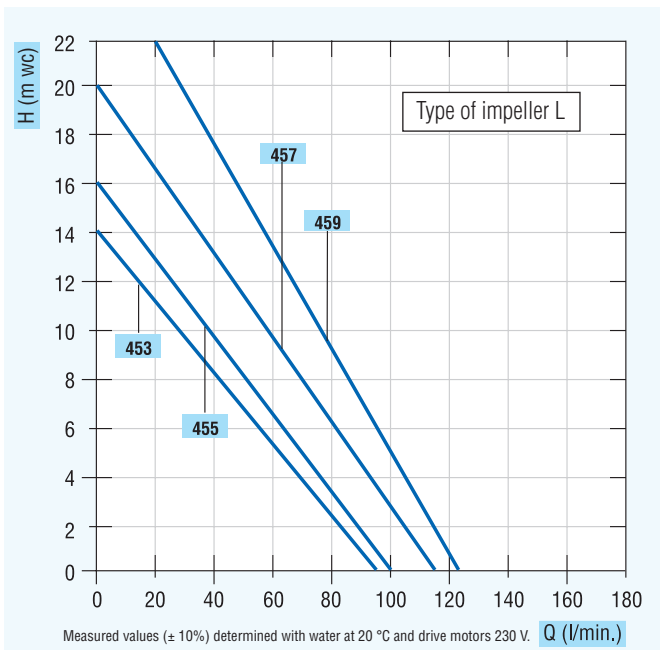
* Determined with water at 20 °C ** Determined with oil *** Special lengths 200–2500 mm on request **** Determined with 3 m hose 3/4" and open nozzle 3/4". Higher densities possible for shorter operating periods. Special voltages and frequencies on request.

Pump Tube SS PURE (stainless steel)

for alcoholic, highly inflammable foodstuffs

Materials (coming into contact with the pumped medium):

Version:	MS-FPM	MS-EPDM
Housing:	stainless steel (1.4571)	stainless steel (1.4571)
Impeller:	ETFE	ETFE
Seals:	FPM	EPDM
Mechanical seal:	Carbon, Ceramic, PTFE, stainless steel, HC-4 (2.4610)	Carbon, Ceramic, PTFE, stainless steel, HC-4 (2.4610)
Bearing:	Pure Carbon	Pure Carbon
Drive shaft:	stainless steel (1.4571)	stainless steel (1.4571)




Pump tube also available in PURE version with Tri-Clamp connection. All materials coming into contact with the pumped medium are physiologically safe. The pump tubes are mainly used in the food-, cosmetics- and pharmaceutical industry.

Please remember that the flow rate is reduced as the **Viscosity** increases. The **Density** of the pumped liquid similarly affects the flow rate, though to a lesser extent.

Lutz Drum and Container Pumps




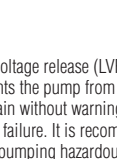

Pump tube RE-SS PURE (stainless steel) for complete drum drainage of aqueous and fatty foodstuffs

Product detail		Pump tube	RE-SS-MS	
	Type of impeller		L	L
	Category 1 / 2 (acc. to ATEX)		no	yes
	Immersion tube diameter:	up to mm	41	41
	Temperature of medium:	up to °C	100	100
	Material:	Pump tube	1.4571	1.4571
		Impeller	PP	ETFE
	Hose connection:	Tri-Clamp DN	32	32
	Length: 700 mm*** ▲	Order No. basic pump	0151-156	0151-156
	Length: 1000 mm*** ▲	Order No. basic pump	0151-157	0151-157
	Length: 1200 mm*** ▲	Order No. basic pump	0151-158	0151-158
Version: PURE Viton® ▲	Order No. additional price	–	0151-360	
Version: PURE EPDM ▲	Order No. additional price	0151-361	0151-362	

▲Please choose Order-No. basic pump + Order-No. PURE additional price

Choice of motors

Operating data

	MI 4	MI 4-E	Characteristic curve no.	700		
	-	with speed controller	Flow rate* up to l/min.	78		
	Output: 500 W	500 W	Delivery head* up to m wc	17		
	Voltage: 230 V	230 V	Viscosity** up to mPas	700		
	Order No. 0030-000	0030-001	Density**** up to kg/dm³	1,4		
		Weight (kg) Motor + pump tube	6,0			
	MA II 3		Characteristic curve no.	701		
	Output: 460 W	460 W	Flow rate* up to l/min.	77		
	Voltage: 230 V	230 V	Delivery head* up to m wc	14		
	LVR.: no	yes	Viscosity** up to mPas	500		
	Order No. 0060-000	0060-008	Density**** up to kg/dm³	1,6		
			Weight (kg) Motor + pump tube	7,8		
		MA II 5	MA II 5	MA II 5 S	Characteristic curve no.	702
		Output: 575 W	575 W	575 W	Flow rate* up to l/min.	77
		Voltage: 230 V	230 V	230 V	Delivery head* up to m wc	14
		LVR.: no	yes	no	Viscosity** up to mPas	900
Order No. 0060-001		0060-009	0060-091	Density**** up to kg/dm³	1,8	
		acid-proof	Weight (kg) Motor + pump tube	8,6		
	MA II 7			Characteristic curve no.	703	
	Output: 795 W	795 W		Flow rate* up to l/min.	70	
	Voltage: 230 V	230 V		Delivery head* up to m wc	18	
	LVR.: no	yes		Viscosity** up to mPas	700	
	Order No. 0060-002	0060-010		Density**** up to kg/dm³	1,9	
			Weight (kg) Motor + pump tube	9,8		
	B4/GT			Characteristic curve no.	705	
	Output: 750 W	750 W		Flow rate* up to l/min.	55	
	Voltage: 230/400 V	230/400 V		Delivery head* up to m wc	8,5	
	Protection switch: no	yes		Viscosity** up to mPas	600	
	Order No. 0004+019	0004+067		Density**** up to kg/dm³	2,2	
				Weight (kg) Motor + pump tube	14,0	

Low-voltage release (LVR.): Prevents the pump from starting up again without warning after a power failure. It is recommended when pumping hazardous liquids.

* Determined with water at 20 °C
** Determined with oil

*** Special lengths 200–2500 mm on request

**** Determined with 3 m hose 3/4" and open nozzle 3/4". Higher densities possible for shorter operating periods.

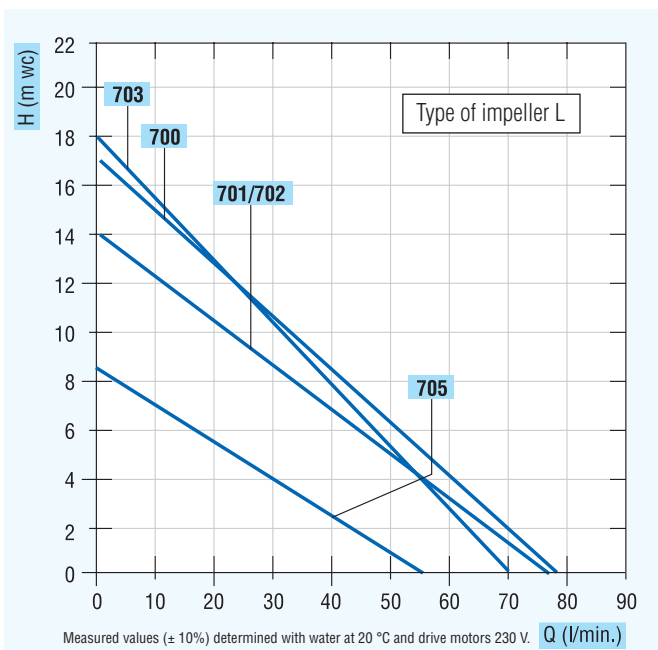
Special voltages and frequencies on request.

Pump tube RE-SS PURE (stainless steel)

for complete drum drainage of aqueous and fatty foodstuffs

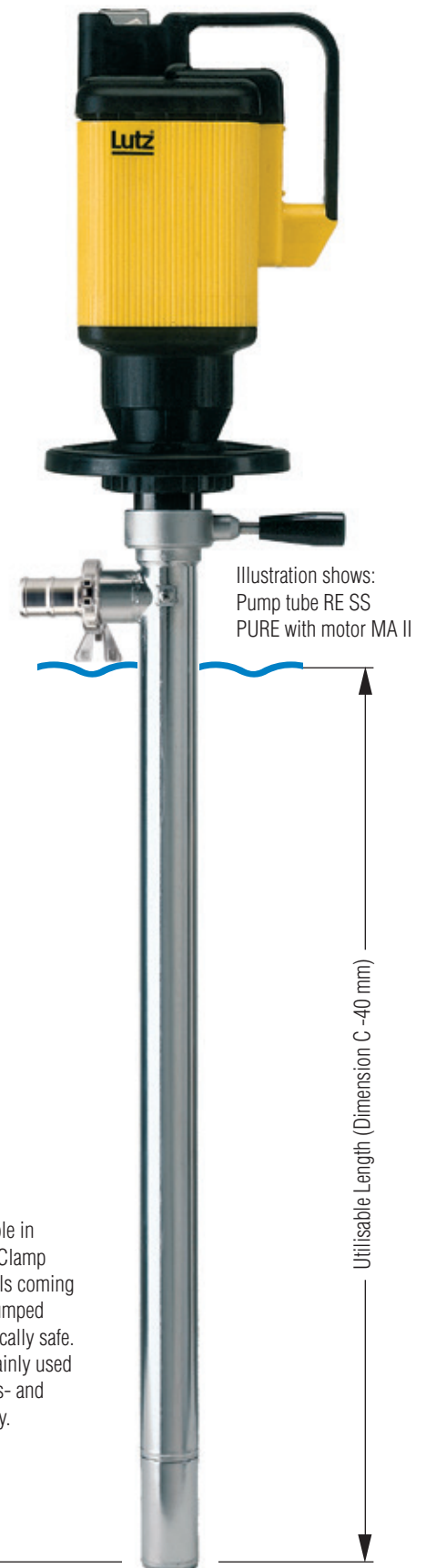
Materials (coming into contact with the pumped medium):

Version:	MS-FPM	MS-EPDM
Housing:	stainless steel (1.4571)	stainless steel (1.4571)
Impeller:	ETFE	ETFE, optional PP
Sealing pot:	ETFE/stainless steel (1.4571)	ETFE/stainless steel (1.4571)
Seals:	FPM, PTFE	EPDM, PTFE
Mechanical seal:	Carbon, Ceramic, PTFE, HC-4 (2.4610), stainless steel 1.4571)	Carbon, Ceramic, PTFE, HC-4 (2.4610), stainless steel 1.4571)
Bearing:	Pure Carbon	Pure Carbon
Drive shaft:	stainless steel (1.4571)	stainless steel (1.4571)



Complete drum drainage

Nearly completely drained.
Residual quantity < 0.10 litres.




Pump tube also available in PURE version with Tri-Clamp connection. All materials coming into contact with the pumped medium are physiologically safe. The pump tubes are mainly used in the food-, cosmetics- and pharmaceutical industry.

Please remember that the flow rate is reduced as the **Viscosity** increases. The **Density** of the pumped liquid similarly affects the flow rate, though to a lesser extent.

Lutz Drum and Container Pumps





Pump tube RE-SS PURE (stainless steel) for complete drum drainage of alcoholic, highly inflammable foodstuffs

Product detail	Pump tube	RE-SS MS	
	Type of impeller	L	
	Category 1 / 2 (acc. to ATEX)	yes	
	Immersion tube diameter:	up to mm	41
	Temperature of medium:	up to °C	100
	Material:	Pump tube	1.4571
		Impeller	ETFE
	Hose connection:	Tri-Clamp DN	32
	Length: 700 mm*** ▲	Order No. basic pump	0151-156
	Length: 1000 mm*** ▲	Order No. basic pump	0151-157
	Length: 1200 mm*** ▲	Order No. basic pump	0151-158
Version: PURE Viton® ▲	Order No. additional price	0151-360	
Version: PURE EPDM ▲	Order No. additional price	0151-362	

▲Please choose Order-No. basic pump + Order-No. PURE additional price

Choice of motors Operating data

 	ME II 3		Characteristic curve no.	750	
	Output:	460 W 460 W	Flow rate*	up to l/min.	77
	Voltage:	230 V 230 V	Delivery head*	up to m wc	14
	LVR.:	yes no	Viscosity**	up to mPas	500
			Density****	up to kg/dm³	1,6
	Order No.	0050-000 0050-016	Weight (kg)	Motor + pump tube	9,0
	ME II 5		Characteristic curve no.	751	
	Output:	580 W 580 W	Flow rate*	up to l/min.	77
	Voltage:	230 V 230 V	Delivery head*	up to m wc	14
	LVR.:	yes no	Viscosity**	up to mPas	900
			Density****	up to kg/dm³	1,8
	Order No.	0050-001 0050-017	Weight (kg)	Motor + pump tube	9,9
	ME II 7		Characteristic curve no.	752	
	Output:	795 W 795 W	Flow rate*	up to l/min.	70
	Voltage:	230 V 230 V	Delivery head*	up to m wc	18
	LVR.:	yes no	Viscosity**	up to mPas	700
		Density****	up to kg/dm³	1,9	
Order No.	0050-002 0050-018	Weight (kg)	Motor + pump tube	11,1	
ME II 8		Characteristic curve no.	753		
Output:	930 W 930 W	Flow rate*	up to l/min.	78	
Voltage:	230 V 230 V	Delivery head*	up to m wc	22	
LVR.:	yes no	Viscosity**	up to mPas	950	
		Density****	up to kg/dm³	1,9	
Order No.	0050-042 0050-041	Weight (kg)	Motor + pump tube	11,1	

Low-voltage release (LVR):

Prevents the pump from starting up again without warning after a power failure. Compulsory for explosive areas, in case no special measures are taken (e.g. remote control).

* Determined with water at 20 °C

** Determined with oil

*** Special lengths

200–2500 mm on request

**** Determined with 3 m hose 3/4" and open nozzle 3/4".

Higher densities possible for shorter operating periods.

Special voltages and

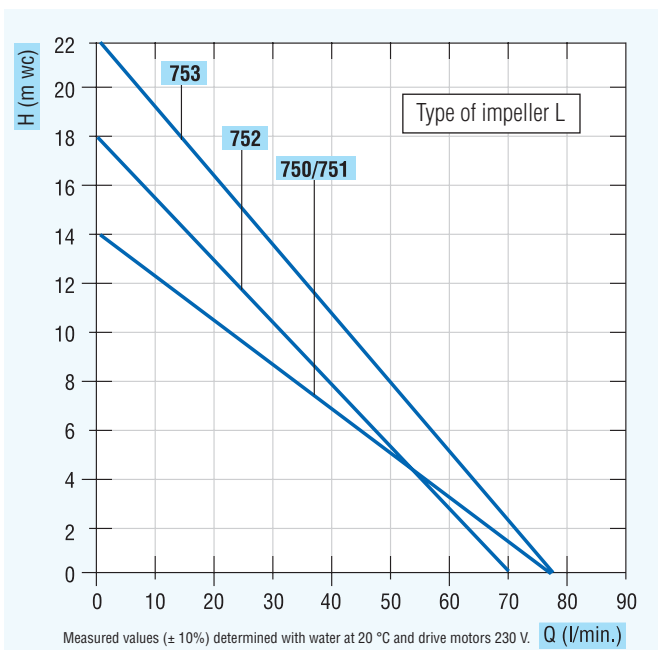
frequencies on request.

Pump tube RE-SS PURE (stainless steel)

for complete drum drainage of alcoholic, highly inflammable foodstuffs

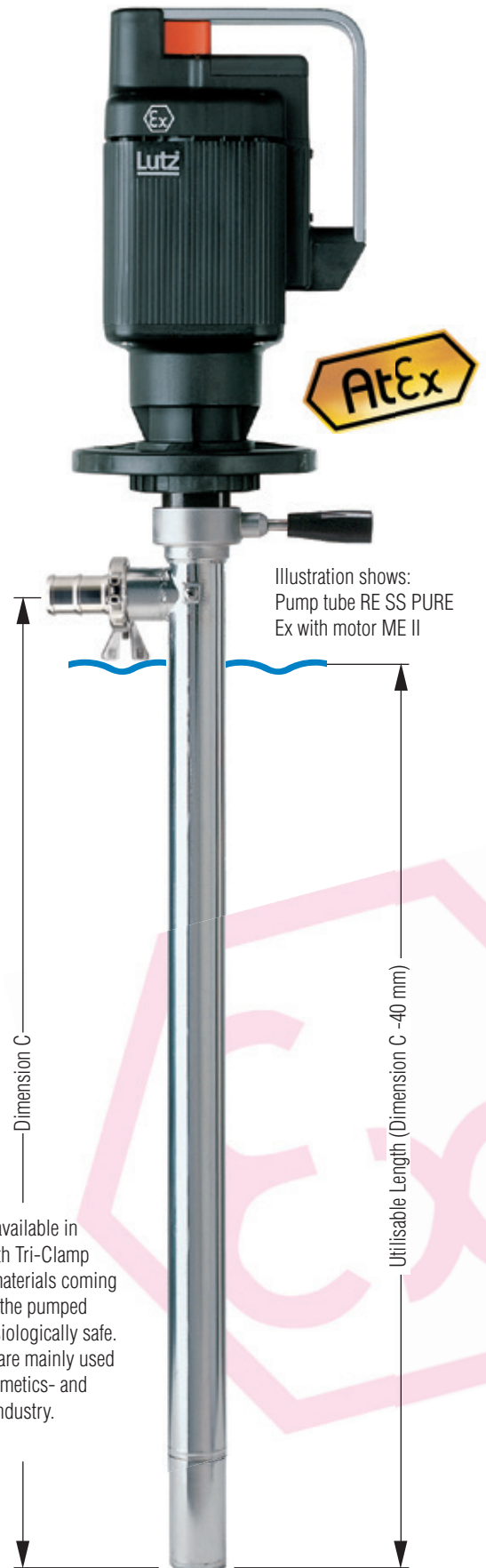
Materials (coming into contact with the pumped medium):

Version:	MS-FPM	MS-EPDM
Housing:	stainless steel (1.4571)	stainless steel (1.4571)
Impeller:	ETFE	ETFE
Sealing pot:	ETFE/stainless steel (1.4571)	ETFE/stainless steel (1.4571)
Seals:	FPM, PTFE	EPDM, PTFE
Mechanical seal:	Carbon, Ceramic, PTFE, HC-4 (2.4610), stainless steel 1.4571)	Carbon, Ceramic, PTFE, HC-4 (2.4610), stainless steel 1.4571)
Bearing:	Pure Carbon	Pure Carbon
Drive shaft:	stainless steel (1.4571)	stainless steel (1.4571)



Tip

The right pump for "hot applications".




Pump tube also available in PURE version with Tri-Clamp connection. All materials coming into contact with the pumped medium are physiologically safe. The pump tubes are mainly used in the food-, cosmetics- and pharmaceutical industry.

Please remember that the flow rate is reduced as the **Viscosity** increases. The **Density** of the pumped liquid similarly affects the flow rate, though to a lesser extent.

Lutz Drum and Container Pumps


Pump tube MP-SS PURE (stainless steel) for mixing and pumping of aqueous and fatty foodstuffs


Product detail	Pump tube	MP-SS-MS		
	Type of impeller	R	R	
	Category 1 / 2 (acc. to ATEX)	no	yes	
	Immersion tube diameter:	up to mm	41	41
	Temperature of medium:	up to °C	100	100
	Material:	Pump tube	1.4571	1.4571
		Impeller	SS	ETFE
	Hose connection:	Tri-Clamp DN	32	32
	Length: 700 mm*** ▲	Order No. basic pump	0151-240	0151-240
	Length: 1225 mm*** ▲	Order No. basic pump	0151-255	0151-255
	Version: PURE Viton® ▲	Order No. additional price	–	0151-355
Version: PURE EPDM ▲	Order No. additional price	0151-356	0151-357	


▲Please choose Order-No. basic pump + Order-No. PURE additional price

Choice of motors


Operating data


	MI 4	MI 4-E	Characteristic curve no.	900
	-	with speed controller	Flow rate* up to l/min.	210
	Output: 500 W	500 W	Delivery head* up to m wc	10
	Voltage: 230 V	230 V	Viscosity** up to mPas	350
			Density**** up to kg/dm³	1,1
	Order No. 0030-000	0030-001	Weight (kg) Motor + pump tube	6,0

	MA II 3	Characteristic curve no.	901	
	Output: 460 W	460 W	Flow rate* up to l/min.	178
	Voltage: 230 V	230 V	Delivery head* up to m wc	9
	LVR.: no	yes	Viscosity** up to mPas	200
			Density**** up to kg/dm³	1,2
	Order No. 0060-000	0060-008	Weight (kg) Motor + pump tube	7,8

	MA II 5	MA II 5	MA II 5 S	Characteristic curve no.	902
	Output: 575 W	575 W	575 W	Flow rate* up to l/min.	190
	Voltage: 230 V	230 V	230 V	Delivery head* up to m wc	10
	LVR.: no	yes	no	Viscosity** up to mPas	550
			acid-proof	Density**** up to kg/dm³	1,3
	Order No. 0060-001	0060-009	0060-091	Weight (kg) Motor + pump tube	8,6

Low-voltage release (LVR.): Prevents the pump from starting up again without warning after a power failure. It is recommended when pumping hazardous liquids.

	MA II 7	Characteristic curve no.	903	
	Output: 795 W	795 W	Flow rate* up to l/min.	210
	Voltage: 230 V	230 V	Delivery head* up to m wc	13
	LVR.: no	yes	Viscosity** up to mPas	400
			Density**** up to kg/dm³	1,4
	Order No. 0060-002	0060-010	Weight (kg) Motor + pump tube	9,8

	B4/GT	Characteristic curve no.	905	
	Output: 750 W	750 W	Flow rate* up to l/min.	140
	Voltage: 230/400 V	230/400 V	Delivery head* up to m wc	10,5
	Protection		Viscosity** up to mPas	400
	switch: no	yes	Density**** up to kg/dm³	2,0
	Order No. 0004+019	0004+067	Weight (kg) Motor + pump tube	14,0

* Determined with water at 20 °C
** Determined with oil

*** Special lengths
200–2500 mm on request

**** Determined with 3 m hose 3/4" and open nozzle 3/4".
Higher densities possible for shorter operating periods.

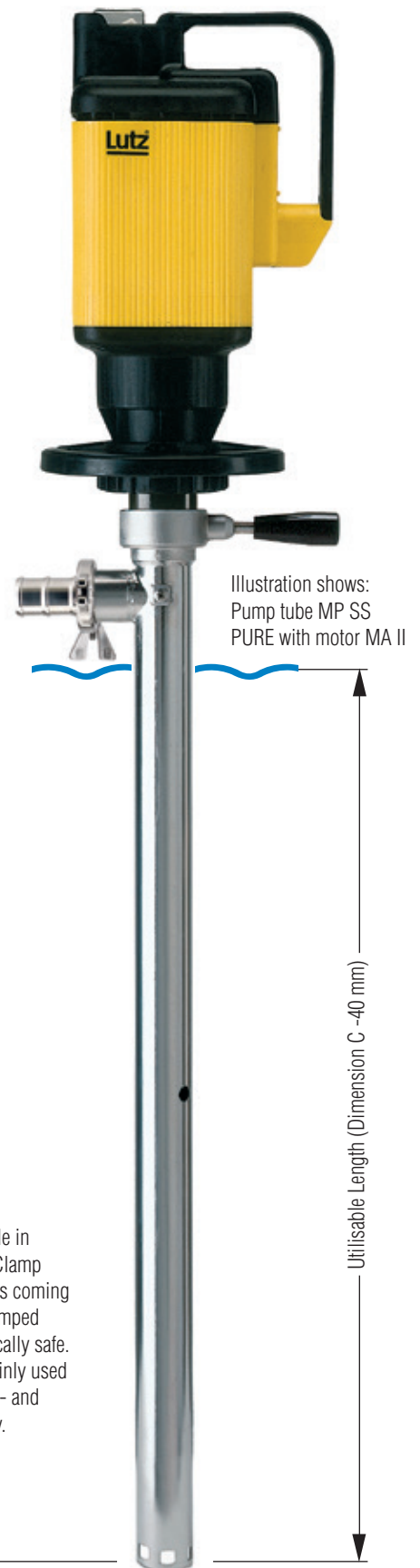
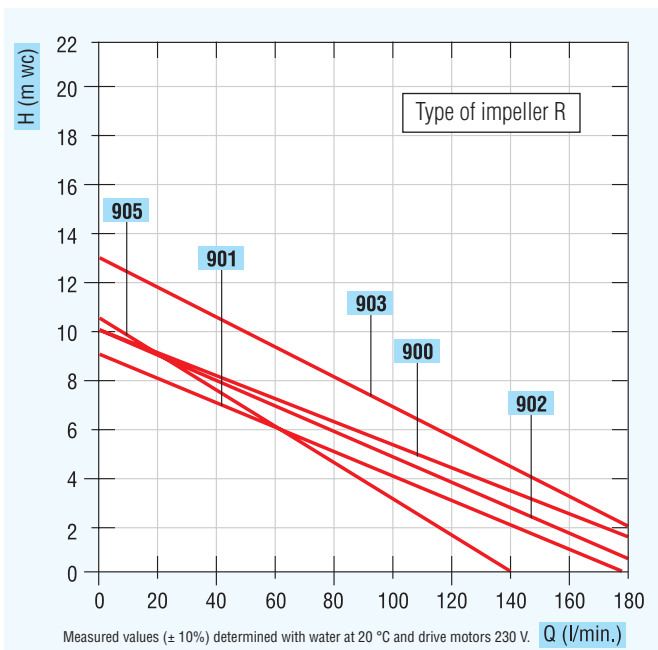
Special voltages and frequencies on request.

Pump tube MP-SS PURE (stainless steel)

for mixing and pumping of aqueous and fatty foodstuffs

Materials (coming into contact with the pumped medium):

Version:	MS-FPM	MS-EPDM
Housing:	stainless steel (1.4571)	stainless steel (1.4571)
Impeller:	ETFE	ETFE optional SS
Seals:	FPM, PTFE	EPDM, PTFE
Mechanical seal:	Carbon, Ceramic, PTFE, HC-4 (2.4610), stainless steel 1.4571)	Carbon, Ceramic, PTFE, HC-4 (2.4610), stainless steel 1.4571)
Bearing:	Pure Carbon	Pure Carbon
Drive shaft:	stainless steel (1.4571)	stainless steel (1.4571)



Pump tube also available in PURE version with Tri-Clamp connection. All materials coming into contact with the pumped medium are physiologically safe. The pump tubes are mainly used in the food-, cosmetics- and pharmaceutical industry.

Tip


Which pump for which liquid?
See resistance table

Please remember that the flow rate is reduced as the **Viscosity** increases. The **Density** of the pumped liquid similarly affects the flow rate, though to a lesser extent.

Lutz Drum and Container Pumps




Pump tube MP-SS PURE (stainless steel) for mixing and pumping of alcoholic, highly inflammable foodstuffs

Product detail	Pump tube	MP-SS MS	
	Type of impeller	R	
	Category 1 / 2 (acc. to ATEX)	yes	
	Immersion tube diameter:	up to mm	41
	Temperature of medium:	up to °C	100
	Material:	Pump tube	1.4571
		Impeller	ETFE
	Hose connection:	Tri-Clamp DN	32
	Length: 700 mm*** ▲	Order No. basic pump	0151-240
	Length: 1225 mm*** ▲	Order No. basic pump	0151-255
	Version: PURE Viton® ▲	Order No. additional price	0151-355
Version: PURE EPDM ▲	Order No. additional price	0151-357	

▲Please choose Order-No. basic pump + Order-No. PURE additional price

Choice of motors Operating data



	ME II 3		Characteristic curve no.	950	
	Output:	460 W 460 W	Flow rate*	up to l/min.	178
	Voltage:	230 V 230 V	Delivery head*	up to m wc	9
	LVR.:	yes no	Viscosity**	up to mPas	200
			Density****	up to kg/dm³	1,2
	Order No.	0050-000 0050-016	Weight (kg)	Motor + pump tube	9,0
	ME II 5		Characteristic curve no.	951	
	Output:	580 W 580 W	Flow rate*	up to l/min.	190
	Voltage:	230 V 230 V	Delivery head*	up to m wc	10
	LVR.:	yes no	Viscosity**	up to mPas	550
			Density****	up to kg/dm³	1,3
	Order No.	0050-001 0050-017	Weight (kg)	Motor + pump tube	9,9
	ME II 7		Characteristic curve no.	952	
	Output:	795 W 795 W	Flow rate*	up to l/min.	210
	Voltage:	230 V 230 V	Delivery head*	up to m wc	13
	LVR.:	yes no	Viscosity**	up to mPas	400
		Density****	up to kg/dm³	1,4	
Order No.	0050-002 0050-018	Weight (kg)	Motor + pump tube	11,1	
ME II 8		Characteristic curve no.	953		
Output:	930 W 930 W	Flow rate*	up to l/min.	216	
Voltage:	230 V 230 V	Delivery head*	up to m wc	14,5	
LVR.:	yes no	Viscosity**	up to mPas	650	
		Density****	up to kg/dm³	1,4	
Order No.	0050-042 0050-041	Weight (kg)	Motor + pump tube	11,1	

Low-voltage release (LVR):
Prevents the pump from starting up again without warning after a power failure. Compulsory for explosive areas, in case no special measures are taken (e.g. remote control).

* Determined with water at 20 °C

** Determined with oil

*** Special lengths

200–2500 mm on request

**** Determined with 3 m hose 3/4" and open nozzle 3/4".

Higher densities possible for shorter operating periods.

Special voltages and

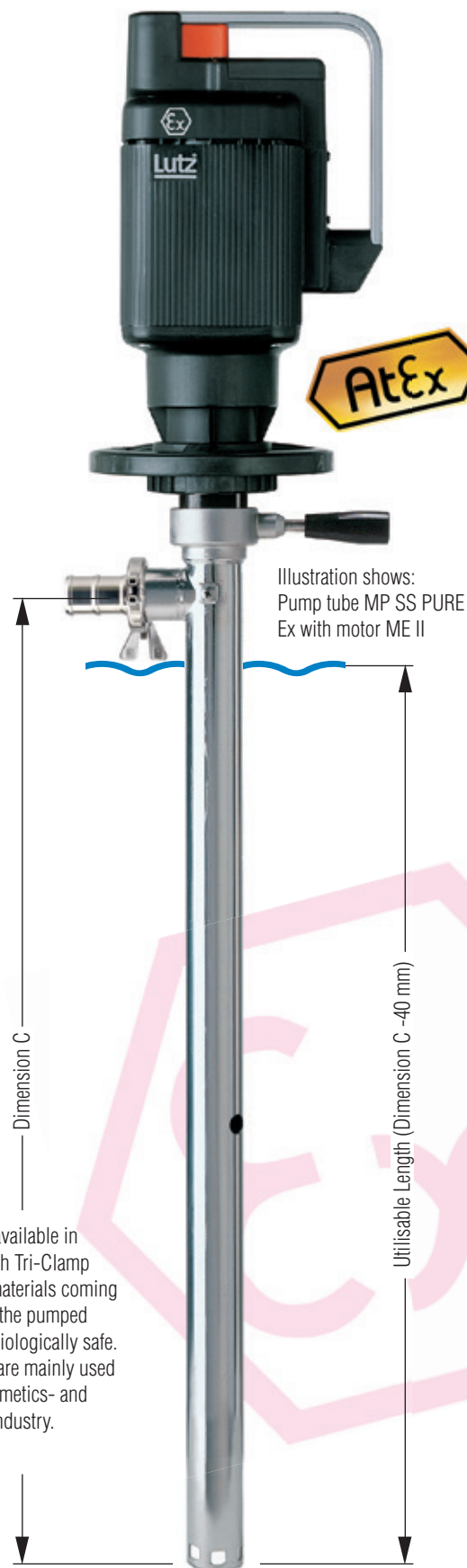
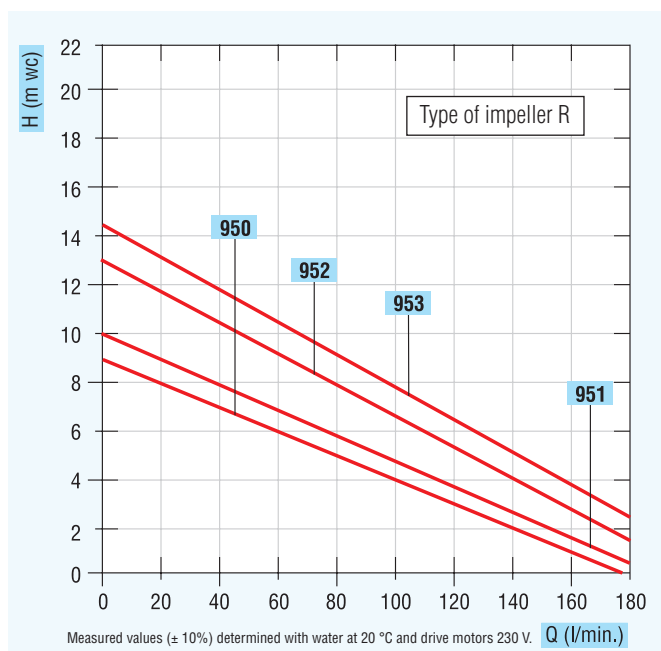
frequencies on request.

Pump tube MP-SS PURE (stainless steel)

for mixing and pumping of alcoholic, highly inflammable foodstuffs

Materials (coming into contact with the pumped medium):

Version:	MS-FPM	MS-EPDM
Housing:	stainless steel (1.4571)	stainless steel (1.4571)
Impeller:	ETFE	ETFE
Seals:	FPM, PTFE	EPDM, PTFE
Mechanical seal:	Carbon, Ceramic, PTFE, HC-4 (2.4610), stainless steel 1.4571)	Carbon, Ceramic, PTFE, HC-4 (2.4610), stainless steel 1.4571)
Bearing:	Pure Carbon	Pure Carbon
Drive shaft:	stainless steel (1.4571)	stainless steel (1.4571)



Pump tube also available in PURE version with Tri-Clamp connection. All materials coming into contact with the pumped medium are physiologically safe. The pump tubes are mainly used in the food-, cosmetics- and pharmaceutical industry.

Please remember that the flow rate is reduced as the **Viscosity** increases. The **Density** of the pumped liquid similarly affects the flow rate, though to a lesser extent.

Lutz Eccentric Screw Pumps

Lutz HD-E PURE for medium viscous foodstuffs



The intelligent solution for the pumping of medium viscosity liquids

High efficiency, handy, low weight and easily disassembled for easy cleaning make the Lutz HD-E a practical drum pump system especially for medium viscosity liquids.

It is suitable for pumping acids and basic liquids, oils, used oil, waste disposal liquids, colours, foodstuffs, cosmetics and creams.

- ✓ Light and compact
- ✓ Simple and easily dismantled
- ✓ Easy to clean
- ✓ Suitable for continuous operation
- ✓ Practical Lutz hand wheel for motor separation and to carry
- ✓ Smooth flow
- ✓ For thin and thick liquids
- ✓ Constant volumetric flow

Product detail

Pump tube

HD-E PURE



Category 1 / 2 (acc. to ATEX)		no
Immersion tube diameter:	max. mm	41
Temperature of medium:	max. °C	100
Material:	Pump tube	Stainless steel (1.4571)
	Stator	PTFE
Hose connection:	Tri-Clamp DN	32
Length: 1000 mm [▲]	Order-No. basic pump	0155-010

Version PURE FPM [▲]	Order-No. additional price	0155-016
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Version PURE EPDM [▲]	Order-No. additional price	0155-017
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[▲]Please choose Order-No. basic pump + Order-No. PURE additional price

Choice of motors

Operating data



Single phase motor			
Output:	0,55 kW	Delivery rate	up to l/min.
Voltage:	230 V	Delivery head	up to bar
Speed:	1500 1/min.	Viscosity	mPas
Protection class:	IP 54	Weight (kg)	Motor + pump tube
Order-No.	0155-032		

HD-E PURE

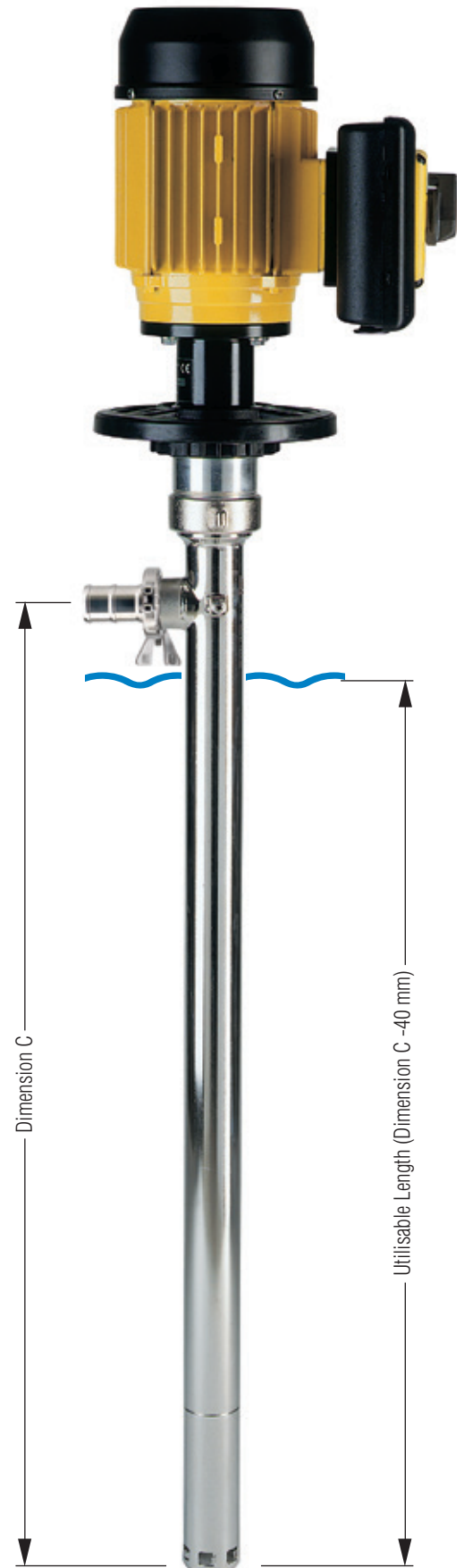
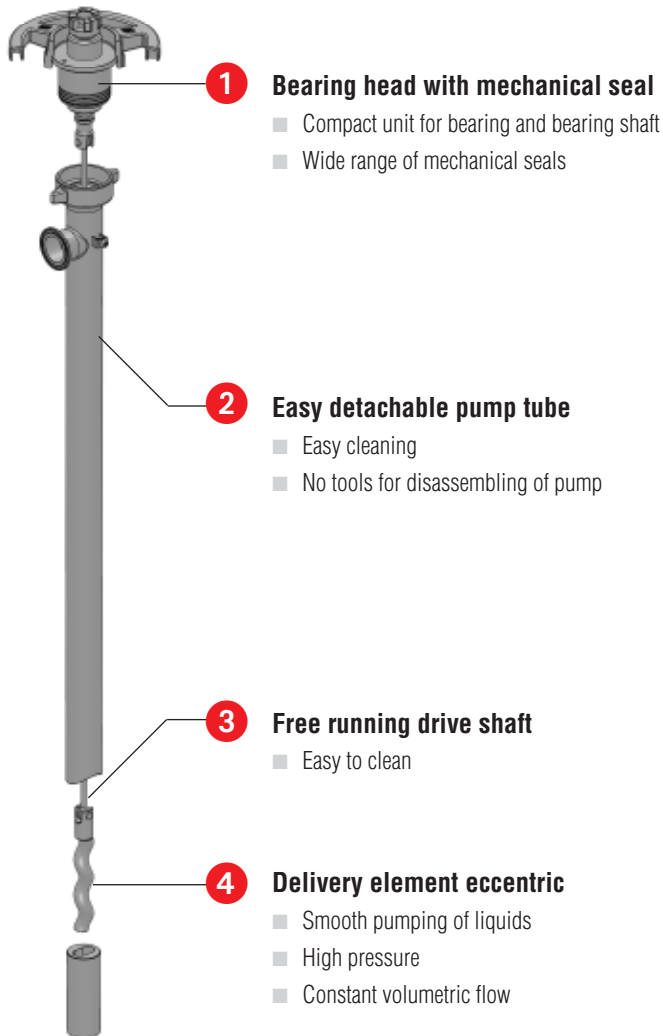
for viscosities from 500 to 4000 mPas

Materials (coming into contact with the pumped medium)

Version:	HD-E PURE FPM	HD-E PURE EPDM
Pump tube:	Stainless steel (1.4571)	Stainless steel (1.4571)
Stator:	PTFE	PTFE
Mechanical seal:	Stainless steel/Carbon/FPM	Stainless steel/Carbon/EPDM
Secondary seal:	FPM	EPDM
Drive shaft:	Stainless steel (1.4571)	Stainless steel (1.4571)







Pump tube in PURE version also available with Tri-Clamp-connection. All materials coming into contact with the pumped medium are physiologically safe. The pump tubes are mainly used in the food-, cosmetics- and pharmaceutical industry.



Lutz Eccentric Screw Pumps

B70V-SR 12.1, 25.1 and 50.1 PURE for viscous foodstuffs

Product detail			Pump tubes		B70V-SR PURE				
	Size		12.1	12.1	25.1	25.1	50.1	50.1	
	Category 1 / 2 (acc. to ATEX)		no	yes	no	yes	no	yes	
	Seal	Packing gland (St)		MS	MS	MS	MS	MS	MS
		Mechanical seal (MS)							
	Drive shaft	Torsion shaft (TS)		TS	UJ	TS	UJ	TS	UJ
		Universal joint shaft (UJ)							
	Delivery rate*	up to l/min.		12	12	25	25	50	50
	Delivery head*	up to bar		6	6	6	6	6	6
	Temp. of medium**	max. °C		140	140	140	140	140	140
	Material pump tube			1.4571	1.4571	1.4571	1.4571	1.4571	1.4571
	Material stator			PTFE	PTFE	PTFE	PTFE	PTFE	PTFE
	Immersion tube diameter	mm		54	54	54	54	54	54
	Pressure joint	Tri-Clamp DN		50	50	50	50	50	50
	Weight	kg		7	7	7	7	7	7
	Length***	mm		1000	1000	1000	1000	1100	1100
Order-No. basic pump [▲]			0174-014	0174-024	0174-134	0174-144	0174-514	0174-524	
Order-No. additional price PURE FPM [▲]			0172-128	0173-138	0172-128	0173-138	0172-128	0173-138	
Order-No. additional price PURE EPDM [▲]			0172-129	0173-139	0172-129	0173-139	0172-129	0173-139	
<p>[▲]Please choose Order-No. basic pump + Order-No. PURE additional price</p> <p>* Determined with water at 20 °C, three-phase motor (900 rpm) and elastomer stator ** with PTFE Stator (the medium temperature of explosion proof eccentric screw pumps B70 may not exceed 100°C) *** Special length 500 - 2000 mm on request (version with joint shaft only)</p> <p>● Explosion proof eccentric screw pump approved category 1 / 2 (acc. to ATEX) for pumping inflammable liquids of the explosion group IIA and temperature class T4</p>									
									
Choice of motors									
	Universal motors non-ex. proof		MI 4	MI 4-E	MA II 3	MA II 5	MA II 7		
	Type		500 W, 230 V	500 W, 230 V	460 W, 230 V	575 W, 230 V	795 W, 230 V		
	Protection class/Weight		IP 24 2,8 kg ohne Drehzahlst.	IP 24 2,8 kg mit Drehzahlst.	IP 54 4,6 kg	IP 54 5,4 kg	IP 54 6,6 kg		
	Order-No. (without low-voltage release)		0030-000	0030-001	0060-000	0060-001	0060-002		
	Order-No. (with low-voltage release)		—	—	0060-008	0060-009	0060-010		
	Universal motors ex. proof		ME II 3	ME II 5	ME II 7	ME II 8			
	Type		460 W, 230 V	580 W, 230 V	795 W, 230 V	930 W, 230 V			
	Protection class/Weight		IP 54 5,5 kg	IP 54 6,3 kg	IP 54 7,5 kg	IP 54 8 kg			
	Order-No. (with low-voltage release)		0050-000	0050-001	0050-002	0050-042			
	Order-No. (without low-voltage release)		0050-016	0050-017	0050-018	0050-041			

B70V-SR 12.1, 25.1 and 50.1 PURE

for viscosities from 1 - 30,000 mPas

Materials (coming into contact with the pumped medium):

Version:	B70V-SR PURE PTFE/FPM	B70V-SR PURE PTFE/EPDM
Housing:	Stainless steel (1.4571)	Stainless steel (1.4571)
Rotor:	Stainless steel (1.4571)	Stainless steel (1.4571)
Seals:	FPM	EPDM
Mechanical seal:		
Torsion shaft	WC/SiC/FPM	WC/SiC/EPDM
Universal joint shaft	WC/WC/FPM	WC/WC/EPDM
Drive shaft:	Stainless steel (1.4571)	Stainless steel (1.4571)
Stator material:	PTFE	PTFE

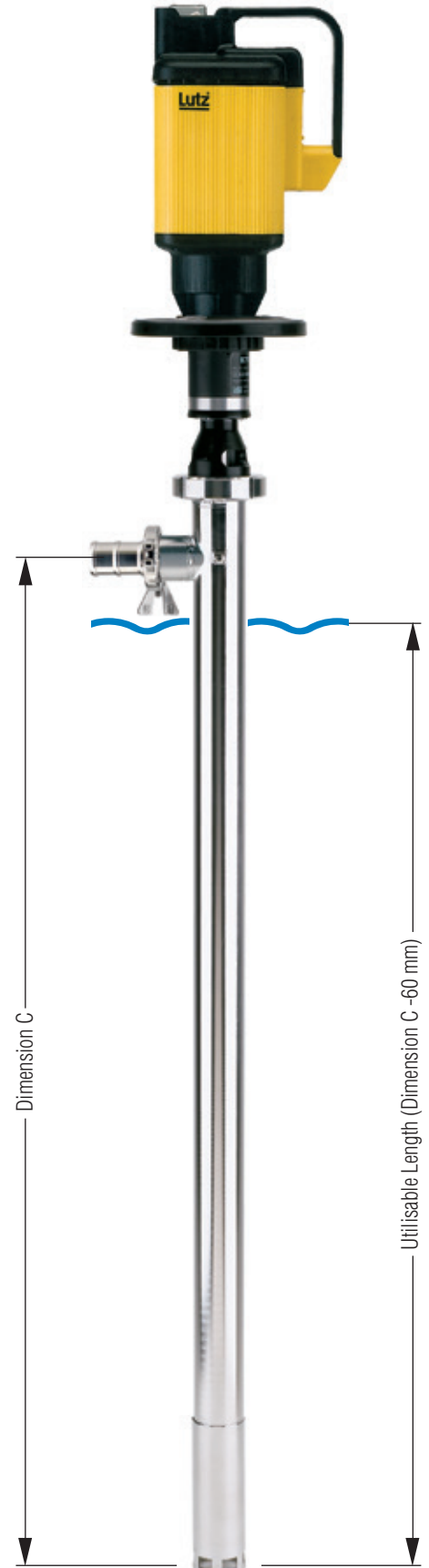
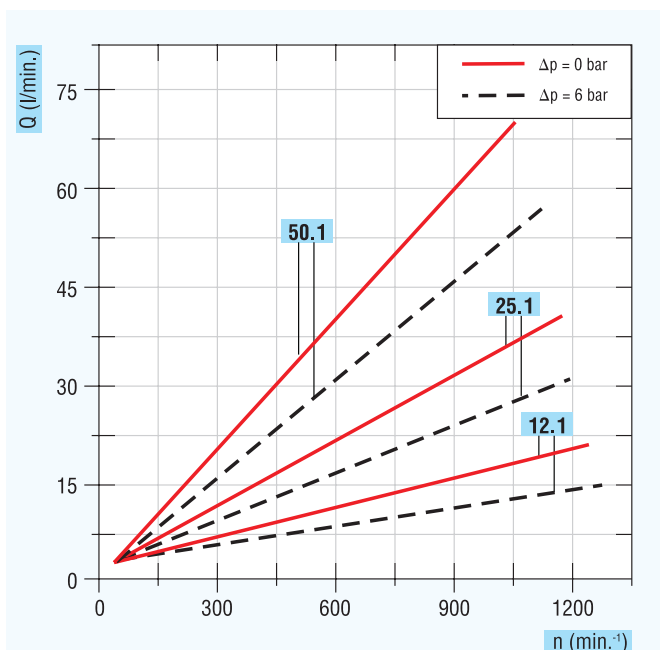


Pump tube with PTFE stator, also available in PURE version with Tri-Clamp-connection. The pump tubes are mainly used in the food-, cosmetics- and pharmaceutical industry.

Important Information!



When pumping in „Zone 0“ areas or pumping flammable liquids only pumps with mechanical seal, universal joint shaft and PTFE stator are approved.

Viscosity range from aqueous to fluidity range.
Medium table with liquid examples see chemical resistance table.



Lutz Eccentric Screw Pumps

B70V 12.1 and 25.1 PURE for viscous foodstuffs

Product detail		Pump tubes				B70V PURE				
	Size		12.1	12.1	25.1	25.1				
	Category 1 / 2 (acc. to ATEX)		no	yes	no	yes				
	Seal	Mechanical seal (MS)	MS	MS	MS	MS	MS			
	Drive shaft	Torsion shaft (TS) Universal joint shaft (UJ)	TS	UJ	TS	UJ				
	Delivery rate*	up to l/min.	12	12	25	25				
	Delivery head*	up to bar	6	6	6	6				
	Temp. of medium**	max. °C	140	140	140	140				
	Material pump tube		1.4571	1.4571	1.4571	1.4571				
	Material stator	PTFE	PTFE	PTFE	PTFE					
	Immersion tube diameter	mm	54	54	54	54				
	Pressure joint	Tri-Clamp DN	50	50	50	50				
	Weight	kg	7	7	7	7				
	Length***	mm	1000	1000	1000	1000				
	Order-No. basic pump [▲]		0172-004	0173-014	0172-124	0173-134				
	Order-No. additional price PURE FPM [▲]		0172-128	0173-138	0172-128	0173-138				
Order-No. additional price PURE EPDM [▲]		0172-129	0173-139	0172-129	0173-139					
<p>[▲]Please choose Order-No. basic pump + Order-No. PURE additional price</p> <p>* Determined with water at 20 °C, three-phase motor (900 rpm) and elastomer stator</p> <p>** with PTFE Stator (the medium temperature of explosion proof eccentric screw pumps B70 may not exceed 100°C)</p> <p>*** Special length 500 - 2000 mm on request (version with joint shaft only)</p> <p>● Explosion proof eccentric screw pump approved category 1 / 2 (acc. to ATEX) for pumping inflammable liquids of the explosion group IIA and temperature class T4</p>										
										
Choice of motors										
Motors with cable terminal box										
		For B70V - 12.1			For B70V - 25.1					
Type		0,37 kW, 700 1/min.	0,55 kW, 900 1/min.	0,55 kW, 700 1/min.	0,75 kW, 900 1/min.					
Protection class/Weight		IP 55 15,7 kg	IP 55 11,3 kg	IP 55 15,7 kg	IP 55 17,3 kg					
Order-No.		0172+803	0172+806	0172+809	0172+812					
Motors with protection switch										
		For B70V - 12.1			For B70V - 25.1					
Type		0,37 kW, 700 1/min.	0,55 kW, 900 1/min.	0,55 kW, 700 1/min.	0,75 kW, 900 1/min.					
Protection class/Weight		IP 54 15,7 kg	IP 54 11,3 kg	IP 54 15,7 kg	IP 54 17,3 kg					
Order-No.		0172+802	0172+805	0172+808	0172+811					
Motors, explosion proof										
		For B70V - 12.1			For B70V - 25.1					
Type		0,37 kW, 700 1/min.	0,55 kW, 900 1/min.	0,55 kW, 700 1/min.	0,65 kW, 900 1/min.					
Protection class		II 2 G Ex e II T3	II 2 G Ex e II T3	II 2 G Ex e II T3	II 2 G Ex e II T3					
Protection class/Weight		IP 54 16,4 kg	IP 54 17,2 kg	IP 54 18 kg	IP 54 15,3 kg					
Order-No.		0172-801	0172-804	0172-807	0172-810					
Motors with frequency converter										
		For B70V - 12.1			For B70V - 25.1					
Type		0,55 kW, 0-900 1/min.		0,55 kW, 0-900 1/min.	0,75 kW, 0-900 1/min.					
Protection class/Weight		IP 54 13,5 kg		IP 54 13,5 kg	IP 54 15 kg					
Order-No.		0172-769		0172-769	0172-768					

Three-phase motor
230/400 V, 50 Hz,
Efficiency level IE 2
(≥ 0,75 kW) according
to directive 2005/32/EG.
Special voltages,
frequencies, protection
classes as well as higher
explosion proof protec-
tion classes on request.

B70V 12.1 and 25.1 PURE

for viscosities from 1 - 100,000 mPas

Materials (coming into contact with the pumped medium):

Version:	B70V PURE PTFE/FPM	B70V PURE PTFE/EPDM
Housing:	Stainless steel (1.4571)	Stainless steel (1.4571)
Rotor:	Stainless steel (1.4571)	Stainless steel (1.4571)
Seals:	FPM	EPDM
Mechanical seal:		
Torsion shaft	WC/SiC/FPM	WC/SiC/EPDM
Universal joint shaft	WC/WC/FPM	WC/WC/EPDM
Drive shaft:	Stainless steel (1.4571)	Stainless steel (1.4571)
Stator material:	PTFE	PTFE



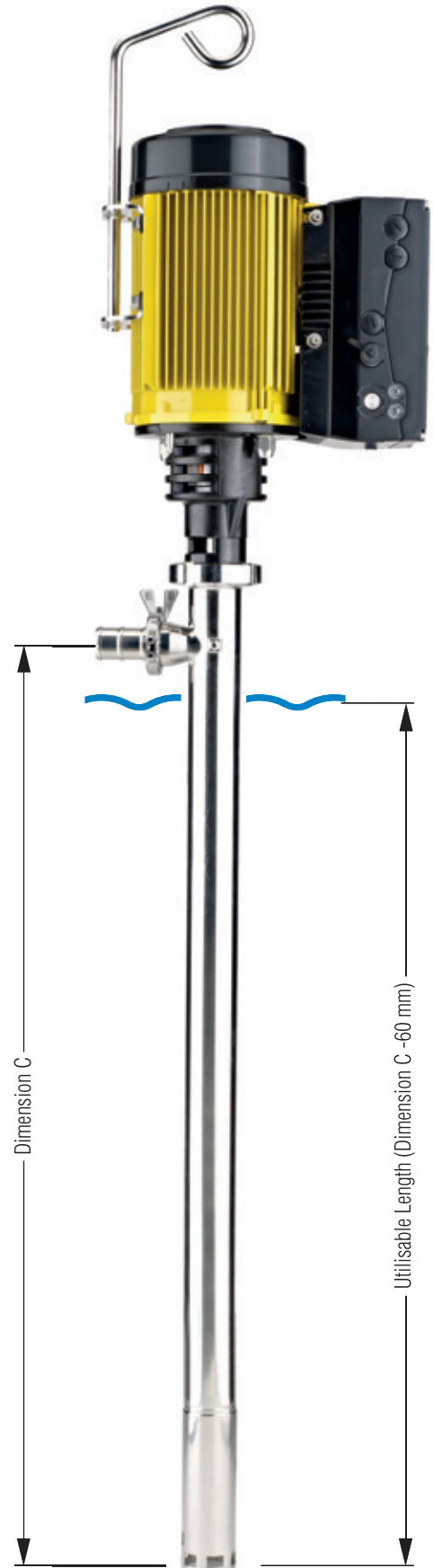
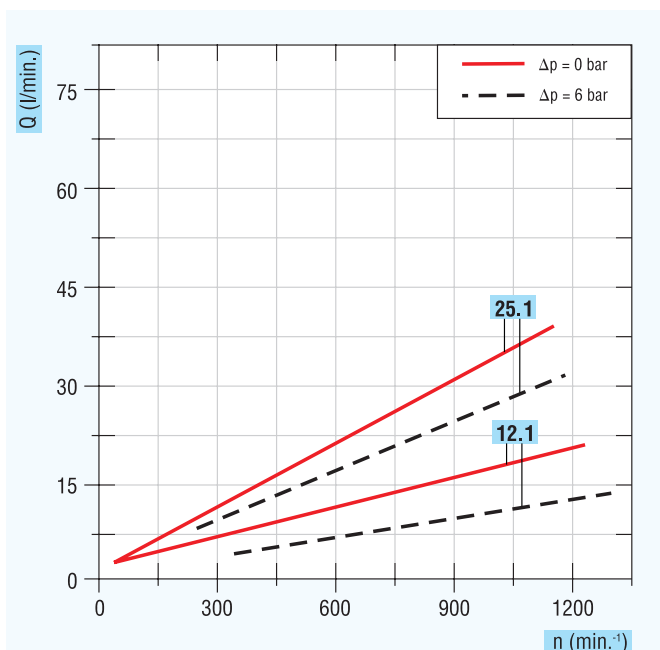
Pump tube with PTFE stator, also available in PURE version with Tri-Clamp-connection. The pump tubes are mainly used in the food-, cosmetics- and pharmaceutical industry.

Important Information!

When pumping in „Zone 0“ areas or pumping flammable liquids only pumps with mechanical seal, universal joint shaft and PTFE stator are approved.


Viscosity range from aqueous to fluidity range.

Medium table with liquid examples see chemical resistance table.



Lutz Eccentric Screw Pumps

B70V 25.2 PURE for viscous foodstuffs

Product detail		Pump tubes	B70V PURE		
	Size		25.2	25.2	
	Category 1 / 2 (acc. to ATEX)		no	yes	
	Seal	Packing gland (St)		MS	MS
		Mechanical seal (MS)			
	Drive shaft	Torsion shaft (TS)		TS	UJ
		Universal joint shaft (UJ)			
	Delivery rate*	up to l/min.		25	25
	Delivery head*	up to bar		10	10
	Temp. of medium**	max. °C		140	140
	Material pump tube			1.4571	1.4571
	Material stator			PTFE	PTFE
	Immersion tube diameter	mm		54	54
	Pressure joint	Tri-Clamp DN		50	50
	Weight	kg		7	7
	Length***	mm		1100	1100
Order-No. basic pump [▲]			0172-254	0173-264	

Order-No. additional price PURE FPM [▲]	0172-128	0173-138
Order-No. additional price PURE EPDM [▲]	0172-129	0173-139

[▲]Please choose Order-No. basic pump + Order-No. PURE additional price

* Determined with water at 20 °C, three-phase motor (900 rpm) and elastomer stator

** with PTFE Stator (the medium temperature of explosion proof eccentric screw pumps B70 may not exceed 100°C)

*** Special length 500 - 2000 mm on request (version with joint shaft only)

- Explosion proof eccentric screw pump approved category 1 / 2 (acc. to ATEX) for pumping inflammable liquids of the explosion group IIA and temperature class T4



Choice of motors

Motors with cable terminal box	For B70V - 25.2	
Type	0,75 kW, 700 1/min.	1,1 kW, 900 1/min.
Protection class/Weight	IP 55 17,3 kg	IP 55 21,1 kg
Order-No.	0172+815	0172+818

Motors with protection switch	For B70V - 25.2	
Type	0,75 kW, 700 1/min.	1,1 kW, 900 1/min.
Protection class/Weight	IP 54 17,3 kg	IP 54 21,1 kg
Order-No.	0172+814	0172+817

Motors, explosion proof	For B70V - 25.2	
Type	0,65 kW, 700 1/min.	1,0 kW, 900 1/min.
Protection class	II 2 G Ex e II T3	II 2 G Ex e II T3
Protection class/Weight	IP 54 20 kg	IP 54 20 kg
Order-No.	0172-813	0172-816

Motors with frequency converter	For B70V - 25.2	
Type	1,1 kW, 0-900 1/min.	
Protection class/Weight	IP 54 20 kg	
Order-No.	0172-767	



Three-phase motor
230/400 V, 50 Hz,
Efficiency level IE 2
(≥ 0,75 kW) according
to directive 2005/32/EG.
Special voltages,
frequencies, protection
classes as well as higher
explosion proof protec-
tion classes on request.

B70V 25.2 PURE

for viscosities from 1 - 100,000 mPas

Materials (coming into contact with the pumped medium):

Version:	B70V PURE PTFE/FPM	B70V PURE PTFE/EPDM
Housing:	Stainless steel (1.4571)	Stainless steel (1.4571)
Rotor:	Stainless steel (1.4571)	Stainless steel (1.4571)
Seals:	FPM	FPM or EPDM
Mechanical seal:		
Torsion shaft	WC/SiC/FPM	WC/SiC/EPDM
Universal joint shaft	WC/WC/FPM	WC/WC/EPDM
Drive shaft:	Stainless steel (1.4571)	Stainless steel (1.4571)
Stator material:	PTFE	PTFE

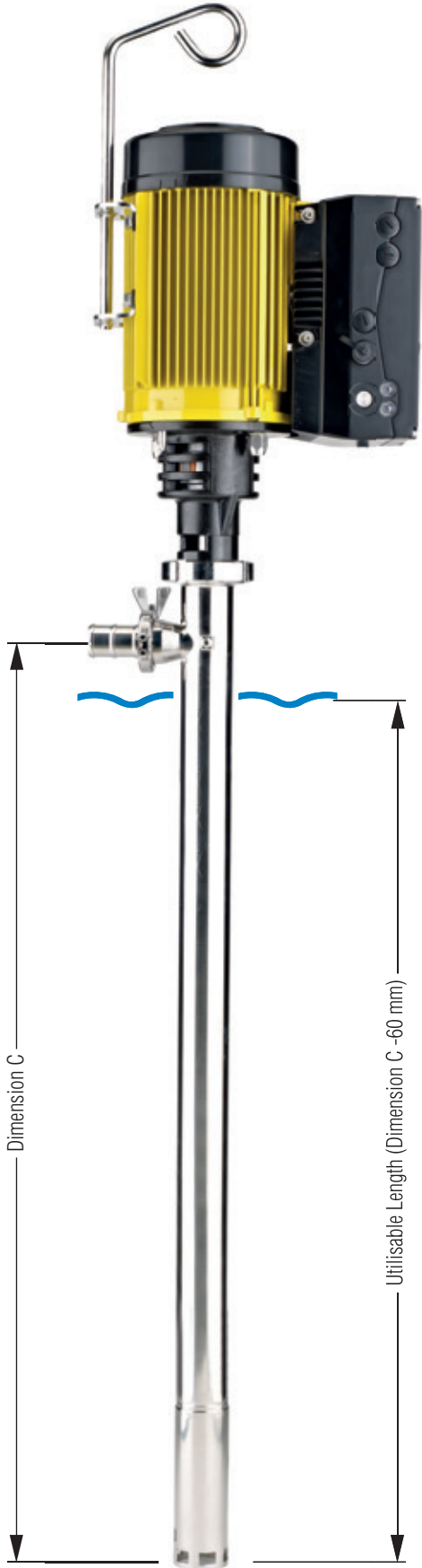
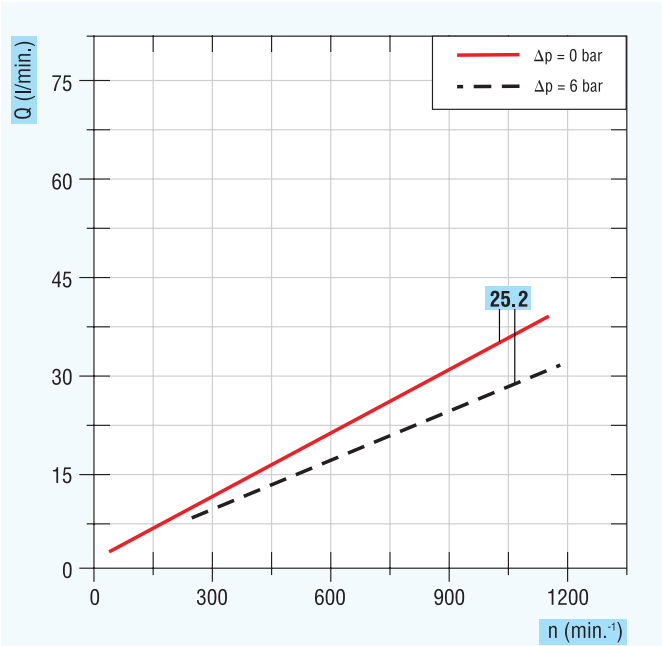


Pump tube with PTFE stator, also available in PURE version with Tri-Clamp-connection. The pump tubes are mainly used in the food-, cosmetics- and pharmaceutical industry.

Important Information!


When pumping in „Zone 0“ areas or pumping flammable liquids only pumps with mechanical seal, universal joint shaft and PTFE stator are approved.

Viscosity range from aqueous to fluidity range.
Medium table with liquid examples see chemical resistance table.



Lutz Eccentric Screw Pumps

B70V 50.1 and 75.1 PURE for viscous foodstuffs

Product detail		Pump tubes		B70V PURE	
	Size		50.1	50.1	75.1
	Category 1 / 2 (acc. to ATEX)		no	yes	no
	Seal	Packing gland (St) Mechanical seal (MS)	MS	MS	MS
	Drive shaft	Torsion shaft (TS) Universal joint shaft (UJ)	TS	UJ	UJ
	Delivery rate*	up to l/min.	50	50	75
	Delivery head*	up to bar	6	6	6
	Temp. of medium**	max. °C	140	140	140
	Material pump tube		1.4571	1.4571	1.4571
	Material stator		PTFE	PTFE	PTFE
	Immersion tube diameter	mm	54	54	54
	Pressure joint	Tri-Clamp DN	50	50	50
	Weight	kg	7	7	7
	Length***	mm	1100	1100	1100
	Order-No. basic pump [▲]		0172-504	0173-514	0173-564
	Order-No. additional price PURE FPM [▲]		0172-128	0173-138	0173-140
	Order-No. additional price PURE EPDM [▲]		0172-129	0173-139	0173-141

[▲]Please choose Order-No. basic pump + Order-No. PURE additional price

* Determined with water at 20 °C, three-phase motor (900 rpm) and elastomer stator


** with PTFE Stator (the medium temperature of explosion proof eccentric screw pumps B70 may not exceed 100°C)

*** Special length 500 - 2000 mm on request (version with joint shaft only)

● Explosion proof eccentric screw pump approved category 1 / 2 (acc. to ATEX) for pumping inflammable liquids of the explosion group IIA and temperature class T4



Choice of motors

	Motors with cable terminal box	For B70V - 50.1		
	Type	1,1 kW, 700 1/min.	1,1 kW, 900 1/min.	
	Protection class/Weight	IP 55 21 kg	IP 55 21,1 kg	
Order-No.	0172+826	0172+818		
	Motors with cable terminal box	For B70V - 75.1		
	Type	1,1 kW, 700 1/min.	1,5 kW, 700 1/min.	1,5 kW, 900 1/min.
	Protection class/Weight	IP 55 21 kg	IP 55 33 kg	IP 55 30 kg
Order-No.	0172+826	0172-761	0172+829	
	Motors with protection switch	For B70V - 50.1		
	Type	1,1 kW, 700 1/min.	1,1 kW, 900 1/min.	
	Protection class/Weight	IP 54 21 kg	IP 54 21,1 kg	
Order-No.	0172+825	0172+817		
	Motors with protection switch	For B70V - 75.1		
	Type	1,1 kW, 700 1/min.	1,5 kW, 700 1/min.	1,5 kW, 900 1/min.
	Protection class/Weight	IP 54 21 kg	IP 54 33 kg	IP 54 30 kg
Order-No.	0172+825	0172-760	0172+828	
	Motors, explosion proof	For B70V - 50.1		
	Type	0,65 kW, 700 1/min.	1,0 kW, 900 1/min.	
	Protection class	II 2 G Ex e II T3	II 2 G Ex e II T3	
Protection class/Weight	IP 54 20 kg	IP 54 20 kg		
Order-No.	0172-813	0172-816		
	Motors with frequency converter	For B70V - 50.1		
	Version	1,1 kW, 0-900 1/min.	1,5 kW, 0-900 1/min.	
	Protection class/Weight	IP 54 20 kg	IP 54 34 kg	
Order-No.	0172-767	0172-766		

Three-phase motor
230/400 V, 50 Hz,
Efficiency level IE 2
(≥ 0,75 kW) according
to directive 2005/32/EG.
Special voltages,
frequencies, protection
classes as well as higher
explosion proof protec-
tion classes on request.

B70V 50.1 and 75.1 PURE

for viscosities from 1 - 100,000 mPas

Materials (coming into contact with the pumped medium):

Version:	B70V PURE PTFE/FPM	B70V PURE PTFE/EPDM
Housing:	Stainless steel (1.4571)	Stainless steel (1.4571)
Rotor:	Stainless steel (1.4571)	Stainless steel (1.4571)
Seals:	FPM	EPDM
Mechanical seal:		
Torsion shaft	WC/SiC/FPM	WC/SiC/EPDM
Universal joint shaft	WC/WC/FPM	WC/WC/EPDM
Drive shaft:	Stainless steel (1.4571)	Stainless steel (1.4571)
Stator material:	PTFE	PTFE

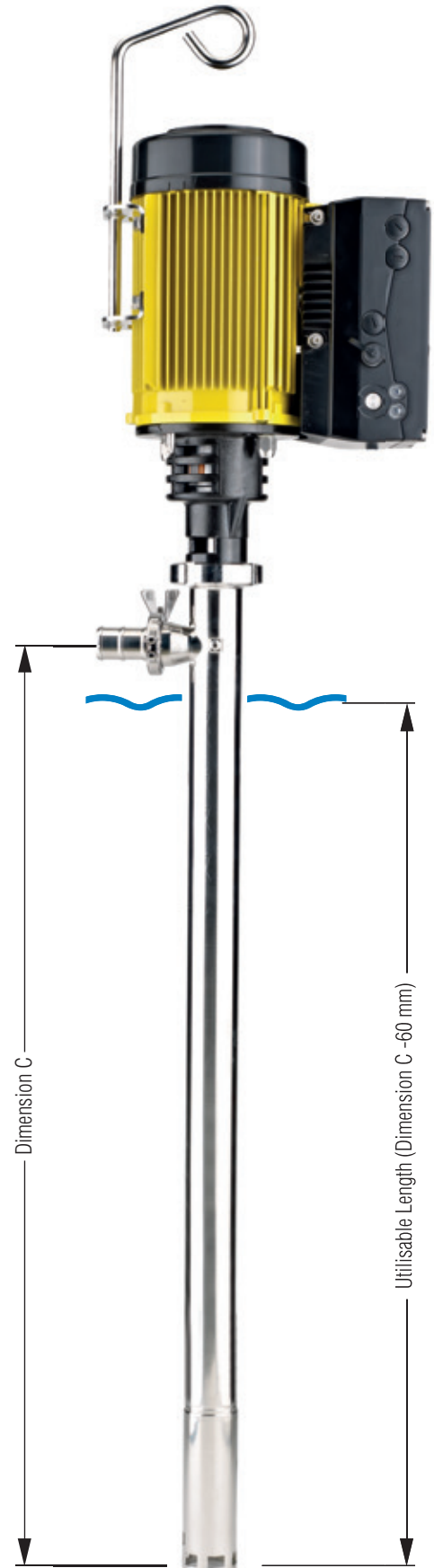
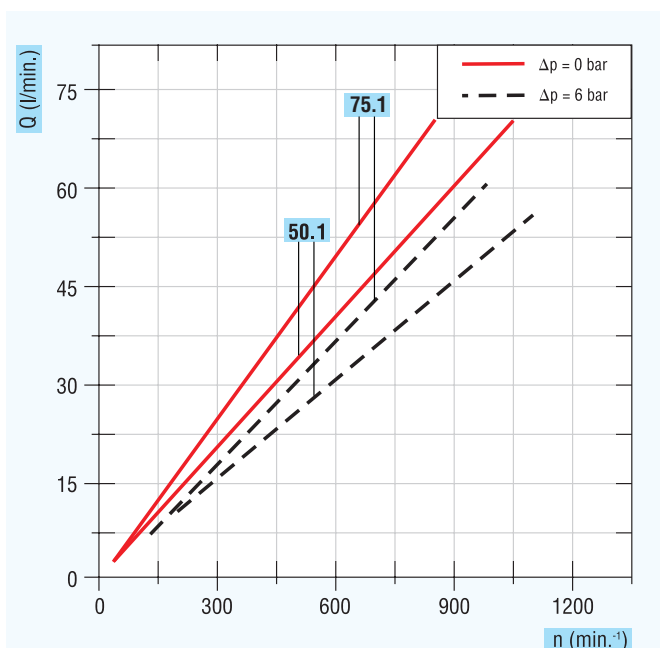


Pump tube with PTFE stator, also available in PURE version with Tri-Clamp-connection. The pump tubes are mainly used in the food-, cosmetics- and pharmaceutical industry.

Important Information!



When pumping in „Zone 0“ areas or pumping flammable liquids only pumps with mechanical seal, universal joint shaft and PTFE stator are approved.

Viscosity range from aqueous to fluidity range.
Medium table with liquid examples see chemical resistance table.



Lutz Eccentric Screw Pumps

B70V 120.1 PURE for viscous and pasty foodstuffs

Product detail	Pump tubes	B70V PURE		
	Size	120.1		
	Category 1 / 2 (acc. to ATEX)	no		
	Seal Mechanical seal (MS)	MS		
	Drive shaft Universal joint shaft (UJ)	UJ		
	Delivery rate*	up to l/min. 120		
	Delivery head*	up to bar 6		
	Temp. of medium	max. °C 140		
	Material pump tube	1.4571		
	Material stator	PTFE		
	Pumpendurchmesser**	max. mm 131		
	Pressure joint	Tri Clamp DN 50		
	Weight	kg 21		
	Length***	mm 1100		
	Order-No. basic pump ▲	0175-201		
	Order-No. additional price PURE FPM ▲	0175-208		
Order-No. additional price PURE EPDM ▲	0175-209			
▲Please choose Order-No. basic pump + Order-No. PURE additional price				
* Determined with water at 20 °C, three-phase motor (600 bzw. 700 1/min.) and elastomer stator				
** required bunghole ∅ 133 mm				
*** Special length 500 - 2000 mm on request				
Choice of motors				
	Motors with cable terminal box	For B70V - 120.1		
	Type	2,2 kW, 600 1/min.	3,0 kW, 600 1/min.	
	Protection class/Weight	IP 55 32 kg	IP 55 39 kg	
	Order-No.	0175+800	0175+801	
	Motors with frequency converter	For B70V - 120.1		
	Version	3,0 kW, 0-600 1/min.		
	Protection class/Weight	IP 54 44 kg		
	Order-No.	0175+802		
	Three-phase motors 230/400 V, 50 Hz, Efficiency level IE 2 (≥ 0,75 kW) according to directive 2005/32/EG. Special voltages, frequencies, protection class on request.			

B70V 120.1 PURE

for viscosities from 1 - 120.000 mPas

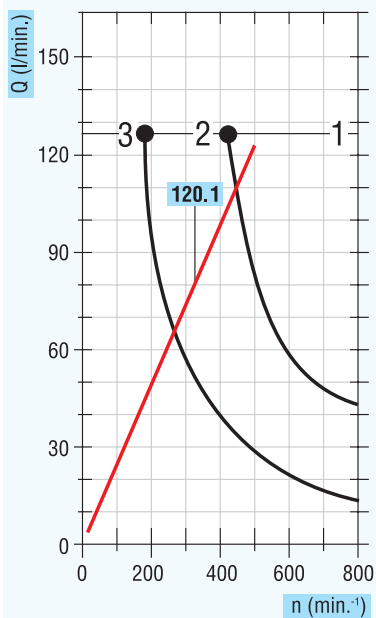
Materials (coming into contact with the pumped medium):

Version:	B70V PURE PTFE/FPM	B70V PURE PTFE/EPDM
Housing:	Stainless steel (1.4571)	Stainless steel (1.4571)
Rotor:	Stainless steel (1.4571)	Stainless steel (1.4571)
Seals:	FPM	FPM
Mechanical seal:*	WC/WC, FPM	WC/WC, EPDM
Drive shaft:	Stainless steel (1.4571)	Stainless steel (1.4571)
Stator material:	PTFE	PTFE

* Mechanical seal pairing on request.



Pump tube with PTFE stator, also available in PURE version with Tri-Clamp-connection. The pump tubes are mainly used in the food-, cosmetics- and pharmaceutical industry.



Range 1:

Thin-bodied and lubricating fluids such as wine, milk, oils etc.
 $\eta < 7000$ mPas

Range 2:

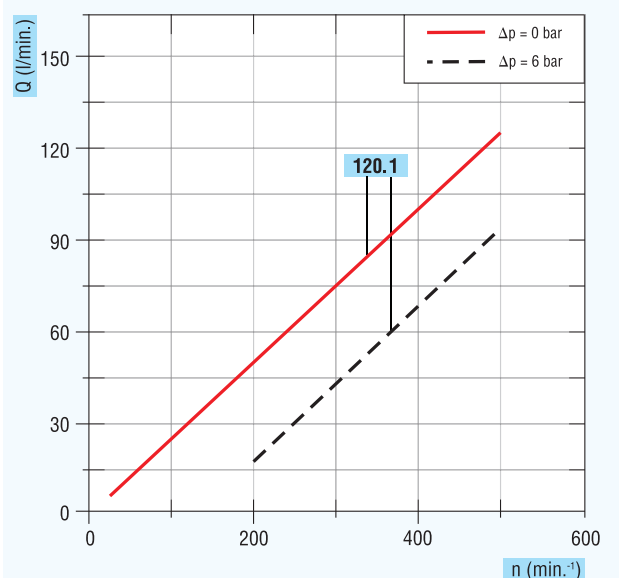
Abrasive and viscous fluids such as pulps, adhesives, paints, inks, etc.
 $\eta < 20,000$ mPas

Range 3:

Very abrasive and highly viscous fluids such as honey, greases, syrups, etc.
 $\eta > 20,000$ mPas


Viscosity range:

Up to limit of flowability



Lutz Eccentric Screw Pumps

B70V-H-SR Sanitary 12.1, 25.1 and 50.1 for viscous foodstuffs, pharmaceutical and cosmetic products

Product detail	Pump tubes	B70V-H-SR Sanitary			
		12.1	25.1	50.1	
	Size		12.1	25.1	50.1
	Seal Mechanical seal (MS)	MS	MS	MS	MS
	Delivery rate*	up to l/min.	12	25	50
	Delivery head*	up to bar	6	6	8
	Temp. of medium**	max. °C	100	100	100
	Material pump tube		1.4404	1.4404	1.4404
	Immersion tube diameter	mm	54	54	54
	Pressure joint	Tri-Clamp	DN 50	DN 50	DN 50
	Weight	kg	7	7	7
	Length	mm	1100	1100	1100
	Stator EPDM Seal EPDM	Order-No.	–	–	0174-516
Stator PTFE Seal EPDM	Order-No.	0174-017 ●	0174-137 ●	0174-517 ●	
Stator PTFE Seal FPM	Order-No.	0174-018 ●	0174-138 ●	0174-518 ●	

* Determined with water at 20 °C, three-phase motor (900 rpm) and elastomer stator

** with PTFE Stator (the medium temperature of explosion proof eccentric screw pumps B70 may not exceed 100°C)

● Explosion proof eccentric screw pump approved category 1 / 2 (acc. to ATEX) for pumping inflammable liquids of the explosion group IIA and temperature class T4



Choice of motors

Universal motors non-ex. proof	MI 4	MI 4-E	MA II 3	MA II 5	MA II 7
	Type	500 W, 230 V	500 W, 230 V	460 W, 230 V	575 W, 230 V
Protection class/Weight	IP 24 2,8 kg	IP 24 2,8 kg with speed contr.	IP 54 4,6 kg	IP 54 5,4 kg	IP 54 6,6 kg
Order-No. (without low-voltage release)	0030-000	0030-001	0060-000	0060-001	0060-002
Order-No. (with low-voltage release)	–	–	0060-008	0060-009	0060-010



Universal motors ex. proof	ME II 3	ME II 5	ME II 7	ME II 8
Type	460 W, 230 V	580 W, 230 V	795 W, 230 V	930 W, 230 V
Protection class/Weight	IP 54 5,5 kg	IP 54 6,3 kg	IP 54 7,5 kg	IP 54 8 kg
Order-No. (with low-voltage release)	0050-000	0050-001	0050-002	0050-042
Order-No. (without low-voltage release)	0050-016	0050-017	0050-018	0050-041

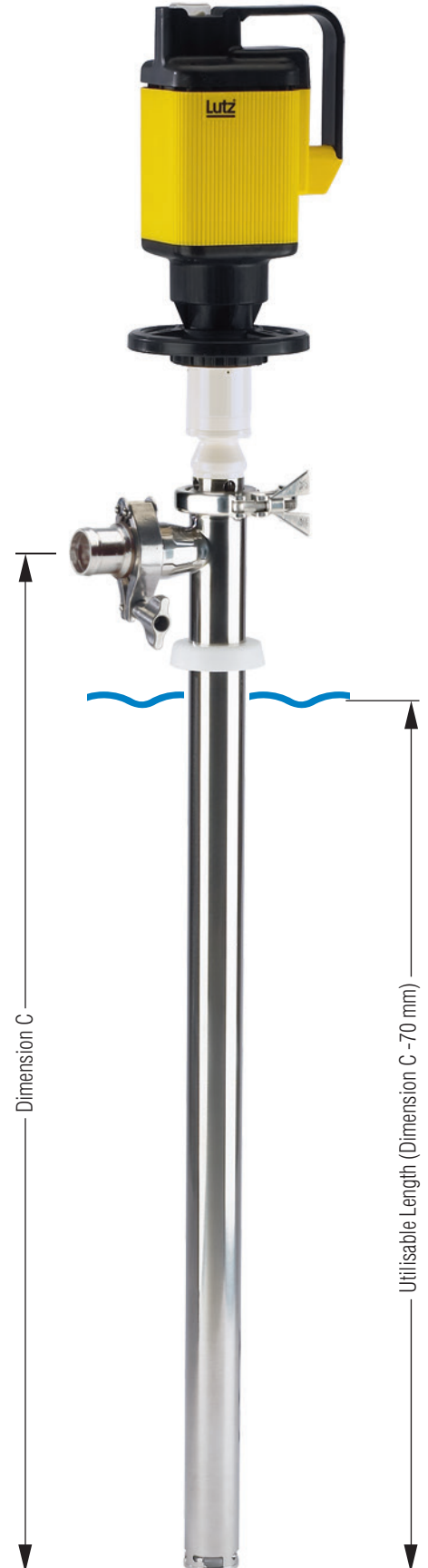
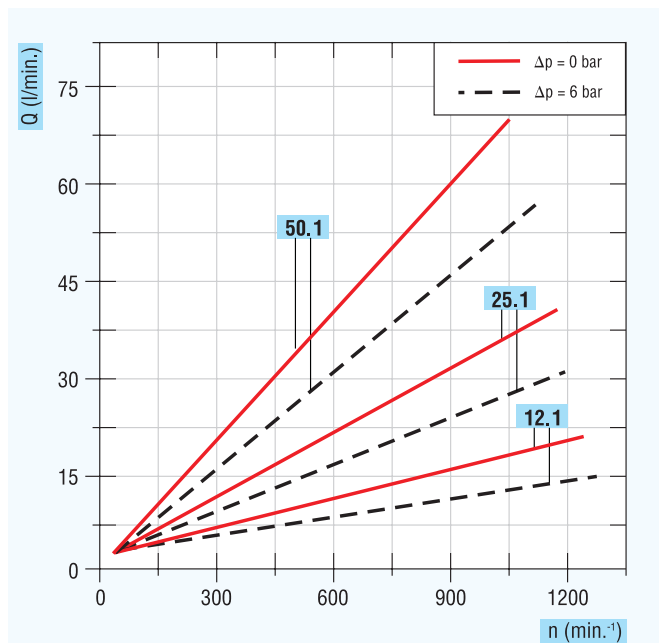


B70V-H-SR Sanitary 12.1, 25.1 and 50.1

for viscosities up to 30,000 mPas




Materials (coming into contact with the pumped medium):

Version:	B70V-H-SR Sanitary 12.1/25.1/50.1
Housing:	Stainless steel (1.4404)
Rotor:	Stainless steel (1.4571)
Seals:	EPDM, FPM
Mechanical seal:	SiC/Carbon/EPDM (FPM), optional SiC/SiC/EPDM (FPM)
Drive shaft:	Stainless steel (1.4571)
Stator material:	PTFE, EPDM (Size 50.1)



Lutz Eccentric Screw Pumps

B70V-H-D Sanitary 12.1, 25.1 for viscous foodstuffs, pharmaceutical and cosmetic products

Product detail	Pump tubes	B70V-H-D Sanitary			
	Size		12.1		25.1
	Seal Mechanical seal (MS)	(MS)	MS		MS
	Delivery rate*	up to l/min.	12		25
	Delivery head*	up to bar	6		8
	Temp. of medium**	max. °C	100		100
	Material pump tube		1.4404		1.4404
	Immersion tube diameter	mm	54		54
	Pressure joint	Tri-Clamp	DN 50		DN 50
	Weight	kg	7		7
	Length	mm	1100		1100
	Stator PTFE Seal EPDM	Order-No.	0172-007		0172-127
			●		●
	Stator PTFE Seal FPM	Order-No.	0172-020		0172-140
			●		●
<p>* Determined with water at 20 °C, three-phase motor (900 rpm) and elastomer stator ** with PTFE Stator (the medium temperature of explosion proof eccentric screw pumps B70 may not exceed 100°C)</p> <p>● Explosion proof eccentric screw pump approved category 1 / 2 (acc. to ATEX) for pumping inflammable liquids of the explosion group IIA and temperature class T4</p>					
					
Choice of motors					
	Motors with protection switch	For B70V-H-D Sanitary - 12.1		For B70V-H-D Sanitary - 25.1	
	Version	0,55 kW, 700 1/min.	0,55 kW, 900 1/min.	0,55 kW, 700 1/min.	0,75 kW, 900 1/min.
	Protection class/Weight	IP 54 16,5 kg	IP 54 11 kg	IP 54 16,5 kg	IP 55 17 kg
	Order-No.	0172+808	0172+805	0172+808	0172+811
	Motors, explosion proof	For B70V-H-D Sanitary - 12.1		For B70V-H-D Sanitary - 25.1	
	Type	0,37 kW, 700 1/min.	0,55 kW, 900 1/min.	0,55 kW, 700 1/min.	0,65 kW, 900 1/min.
	Protection class	II 2 G Ex e II T3	II 2 G Ex e II T3	II 2 G Ex e II T3	II 2 G Ex e II T3
	Protection class/Weight	IP 54 16,4 kg	IP 54 17,2 kg	IP 54 18 kg	IP 54 15,3 kg
	Order-No.	0172-801	0172-804	0172-807	0172-810
	Motors with frequency converter	For B70V-H-D Sanitary - 12.1		For B70V-H-D Sanitary - 25.1	
Version	0,55 kW, 0-900 1/min.		0,55 kW, 0-900 1/min. 0,75 kW, 0-900 1/min.		
Protection class/Weight	IP 54 13,5 kg		IP 54 13,5 kg IP 54 15 kg		
Order-No.	0172-769		0172-769 0172-768		
<p>Three-phase motor 230/400 V, 50 Hz, RAL 9005, Efficiency level IE 2 (≥ 0,75 kW) according to directive 2005/32/EG. Special voltages, frequencies, protection classes on request.</p>					

B70V-H-D Sanitary 12.1, 25.1

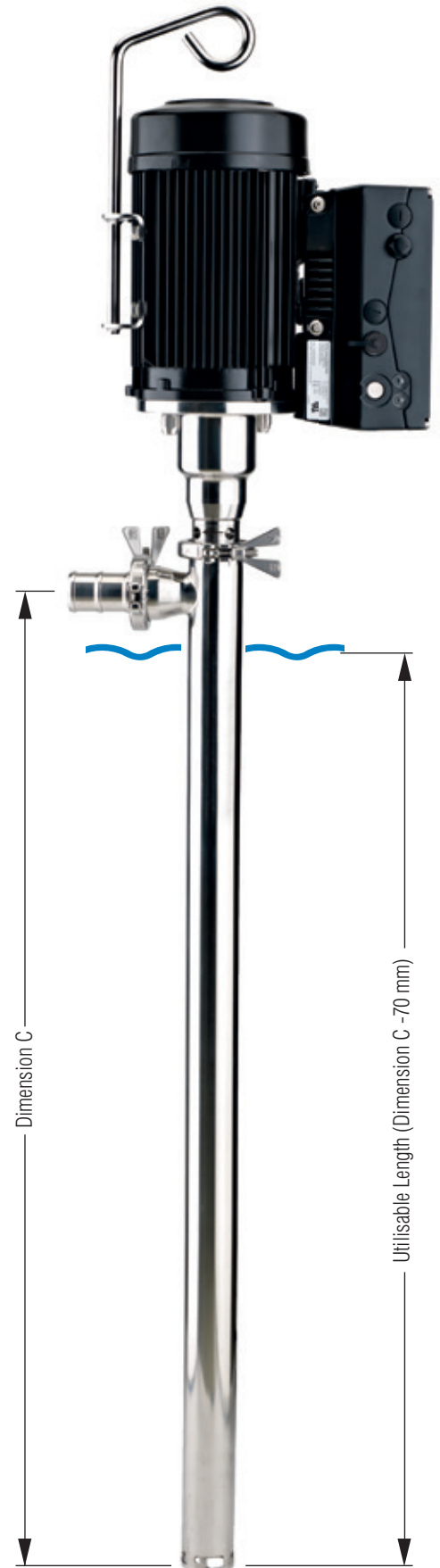
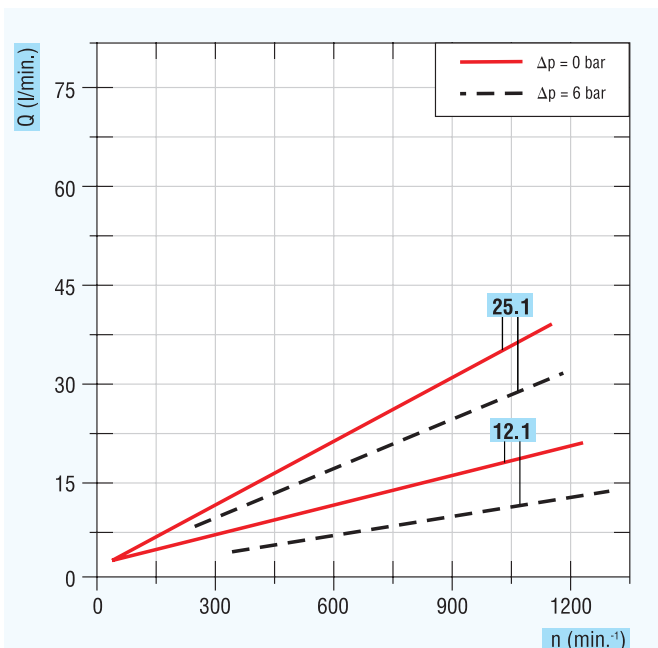
for viscosities up to 100.000 mPas

Materials (coming into contact with the pumped medium):

Version:	B70V-H-D Sanitary 12.1/25.1
Housing:	Stainless steel (1.4404)
Rotor:	Stainless steel (1.4571)
Seals:	EPDM, FPM
Mechanical seal:	SiC/Carbon/EPDM (FPM), optional SiC/SiC/EPDM (FPM)
Drive shaft:	Stainless steel (1.4571)
Stator material:	PTFE




Equipped with mounting strap and motor quick coupling as standard.



Lutz Eccentric Screw Pumps

B70V-H-D Sanitary 25.2, 50.1, 75.1 for viscous foodstuffs, pharmaceutical and cosmetic products

Product detail		Pump tubes	B70V-H-D Sanitary		
	Size		25.2	50.1	75.1
	Seal Mechanical seal	(MS)	MS	MS	MS
	Delivery rate*	up to l/min.	25	50	75
	Delivery head*	up to bar	10	8	6
	Temp. of medium**	max. °C	100	100	100
	Material pump tube		1.4404	1.4404	1.4404
	Immersion tube diameter	mm	54	54	54
	Pressure joint	Tri-Clamp	DN 50	DN 50	DN 50
	Weight	kg	7	7	7
	Length	mm	1100	1100	1100
	Stator EPDM Seal EPDM	Order-No.	–	0172-506	–
	Stator PTFE Seal EPDM	Order-No.	0172-257	0172-507	0172-557
	Stator PTFE Seal FPM	Order-No.	0172-270	0172-520	0172-570

* Determined with water at 20 °C, three-phase motor (900 rpm) and elastomer stator

** with PTFE Stator (the medium temperature of explosion proof eccentric screw pumps B70 may not exceed 100°C)

● Explosion proof eccentric screw pump approved category 1 / 2 (acc. to ATEX) for pumping inflammable liquids of the explosion group IIA and temperature class T4



Choice of motors

Motors with protection switch	For B70V-H-D Sanitary - 25.2	For B70V-H-D Sanitary - 50.1
Version	0,75 kW, 700 1/min.	1,1 kW, 900 1/min.
Protection class/Weight	IP 54 17 kg	IP 54 21,5 kg
Order-No.	0172+814	0172+817

Motors, explosion proof	For B70V-H-D Sanitary - 25.2	For B70V-H-D Sanitary - 50.1	For B70V-H-D Sanitary - 25.2, 50.1, 75.1
Version	0,65 kW, 700 1/min.	1,0 kW, 900 1/min.	1,3 kW, 900 1/min. 1,9 kW, 900 1/min.
Protection class	II 2 G Ex e II T3	II 2 G Ex e II T3	II 2 G Ex e II T3 II 2 G Ex e II T3
Protection class/Weight	IP 54 20 kg	IP 54 20 kg	IP 54 39 kg IP 54 51 kg
Order-No.	0172-813	0172-816	0172-856 0172-857

Motors with frequency converter	For B70V-H-D Sanitary - 25.2	For B70V-H-D Sanitary - 50.1
Version	0,75 kW, 0-900 1/min.	1,1 kW, 0-900 1/min.
Protection class/Weight	IP 54 15 kg	IP 54 20 kg
Order-No.	0172-768	0172-767

Motors with cable terminal box	For B70V-H-D Sanitary - 75.1
Version	1,5 kW, 700 1/min. 1,5 kW, 900 1/min.
Protection class/Weight	IP 55 33 kg IP 55 30 kg
Order-No.	0172-761 0172+829

Motors with protection switch	For B70V-H-D Sanitary - 75.1
Version	1,5 kW, 700 1/min. 1,5 kW, 900 1/min.
Protection class/Weight	IP 54 33 kg IP 54 30 kg
Order-No.	0172-760 0172+828

Motors with frequency converter	For B70V-H-D Sanitary - 75.1
Version	1,5 kW, 0-900 1/min.
Protection class/Weight	IP 54 34 kg
Order-No.	0172-766



Three-phase motor 230/400 V, 50 Hz, RAL 9005, Efficiency level IE 2 (≥ 0,75 kW) according to directive 2005/32/EG. Special voltages, frequencies, protection classes on request.

B70V-H-D Sanitary 25.2, 50.1, 75.1

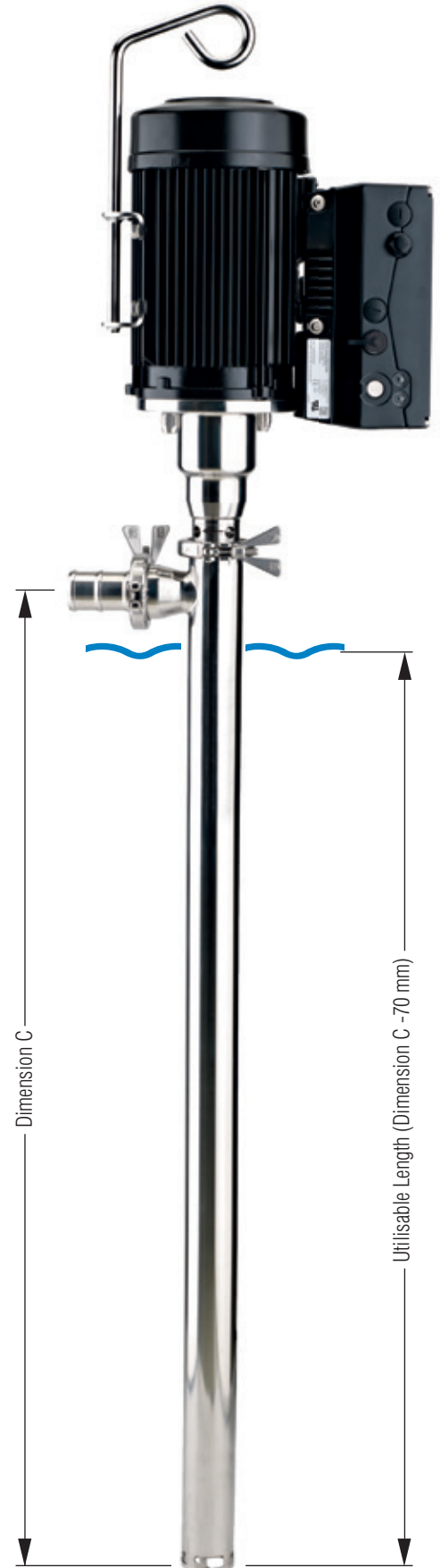
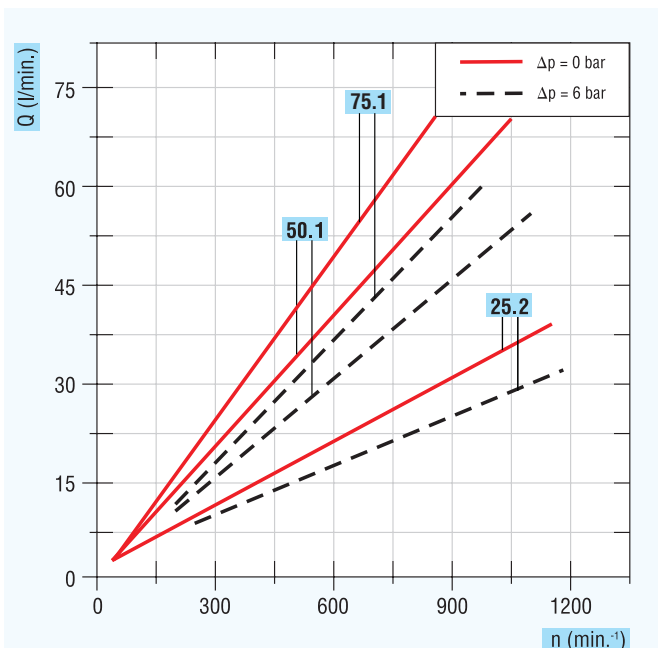
for viscosities up to 100.000 mPas

Materials (coming into contact with the pumped medium):

Version:	B70V-H-D Sanitary 25.2/50.1/75.1
Housing:	Stainless steel (1.4404)
Rotor:	Stainless steel (1.4571)
Seals:	EPDM, FPM
Mechanical seal:	SiC/Carbon/EPDM (FPM), optional SiC/SiC/EPDM (FPM)
Drive shaft:	Stainless steel (1.4571)
Stator material:	PTFE, EPDM (Size 50.1)

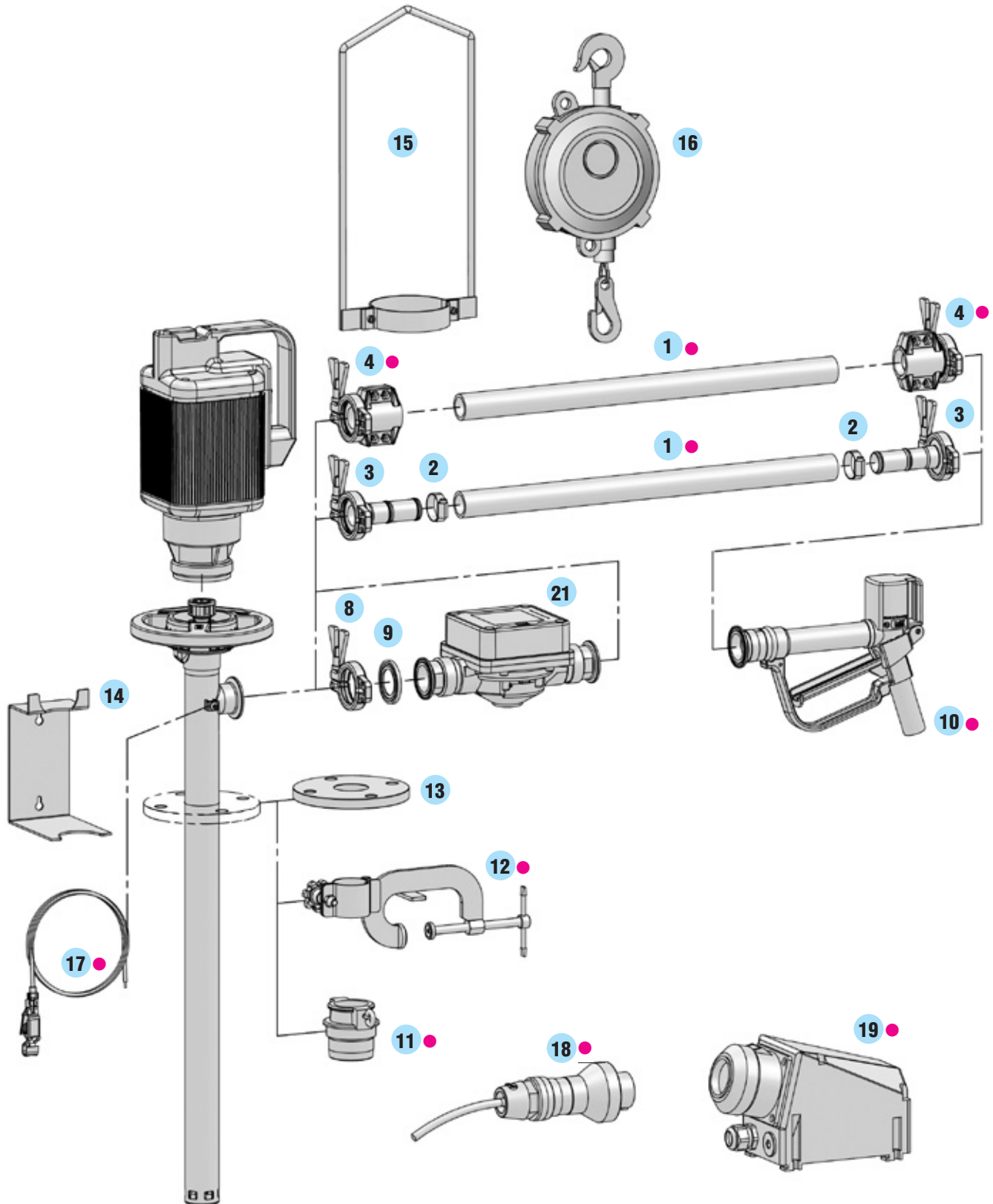


Equipped with mounting strap and motor quick coupling as standard.



Accessories

For PURE drum and container pumps



- 1** ● Hose
- 2** ● Hose clamp
- 3** ● Hose connection
- 4** ● Hose connector
- 8** ● Tri-Clamp locking clamp
- 9** ● Tri-Clamp seal

- 10** ● Nozzle
- 11** ● Drum adapter
- 12** ● Clamping device
- 13** ● Installation flange
- 14** ● Wall bracket
- 15** ● Lifting device

- 16** ● Balancer
- 17** ● Equipotential bonding cable
- 18** ● Ex-plug
- 19** ● Ex-socket
- 21** ● Flow meter



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

Specification	Order-No.	Product detail												
<p>1 PVC spiral hose</p> <p>Hose for food liquids made of PVC with woven layer and embedded galvanized steel spiral, smooth interior and exterior, complies with EU Regulation 1935/2004 EG.</p> <p>Operating pressure: up to 14 bar Temperature of medium: -5 °C up to +65 °C Nominal diameter: Weight:</p> <table> <tr> <td>DN 19 (3/4")</td> <td>0,45 kg/m</td> <td>0374-466</td> </tr> <tr> <td>DN 25 (1")</td> <td>0,67 kg/m</td> <td>0374-467</td> </tr> <tr> <td>DN 32 (1 1/4")</td> <td>0,80 kg/m</td> <td>0374-468</td> </tr> <tr> <td>DN 38 (1 1/2")</td> <td>1,15 kg/m</td> <td>0374-469</td> </tr> </table>	DN 19 (3/4")	0,45 kg/m	0374-466	DN 25 (1")	0,67 kg/m	0374-467	DN 32 (1 1/4")	0,80 kg/m	0374-468	DN 38 (1 1/2")	1,15 kg/m	0374-469		
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DN 38 (1 1/2")	1,15 kg/m	0374-469												
<p>1 Food chemical hose</p> <p>Colour coding: "blue/white/blue". Ideal for food and luxury foodstuffs, pharmaceuticals, cosmetics and hygiene products, complies with EU Regulation 1935/2004 EC and FDA and ATEX requirements. Internal finish: UPE light with spiraled OHM conductive stripes UPE black, smooth, non-bleeding, abrasion-resistant. Intermediate layer: EPDM conductive External finish: EPDM light grey, conductive, non-bleeding, ozone- and UV resistant, hardly inflammable, Type Ω smaller 10⁶ ohm (to EN 12115).</p> <p>Operating pressure: up to 16 bar Temperature of medium: -30 up to +100 °C can be sterilized at 130°C for 30 minutes (open system)</p> <p>Nominal diameter: Weight:</p> <table> <tr> <td>DN 19 (3/4")</td> <td>0,6 kg/m</td> <td>0374-475 ●</td> </tr> <tr> <td>DN 25 (1")</td> <td>0,8 kg/m</td> <td>0374-476 ●</td> </tr> <tr> <td>DN 32 (1 1/4")</td> <td>0,9 kg/m</td> <td>0374-477 ●</td> </tr> <tr> <td>DN 38 (1 1/2")</td> <td>1,2 kg/m</td> <td>0374-478 ●</td> </tr> </table>	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 ●	DN 38 (1 1/2")	1,2 kg/m	0374-478 ●		
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DN 38 (1 1/2")	1,2 kg/m	0374-478 ●												
<p>2 Stepless 1-ear hose clamp</p> <p>1-ear hose clamp of stainless steel for the safe fixing of different hoses onto the hose connection. (Advices for selecting the suitable hose clamp - see hoses).</p> <p>for Tri-Clamp 0204-870 / PVC spiral hose DN 19, fabric reinforced for Tri-Clamp 0204-870 / Food chemical hose DN 19</p> <p>for Tri-Clamp 0204-872 / PVC spiral hose DN 25, fabric reinforced for Tri-Clamp 0204-872 / Food chemical hose DN 25</p> <p>for Tri-Clamp 0204-874 / PVC spiral hose DN 32, fabric reinforced for Tri-Clamp 0204-874 / Food chemical hose DN 32</p>	<table> <tr> <td></td> <td>0300-417</td> </tr> <tr> <td></td> <td>0300-422</td> </tr> <tr> <td></td> <td>0300-446</td> </tr> <tr> <td></td> <td>0300-442</td> </tr> <tr> <td></td> <td>0300-453</td> </tr> <tr> <td></td> <td>0300-460</td> </tr> </table>		0300-417		0300-422		0300-446		0300-442		0300-453		0300-460	
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● Suitable for transferring combustible and easy inflammable liquids (e.g. ethanol, petrol) or in explosive hazard area.

Accessories

For PURE drum and container pumps

Product detail	Specification	Order-No.																																																														
 <p>Caution: The assembler is responsible for the professional bonding of the hose according to the current Pressure Equipment Directive.</p>	<p>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)</p> <table border="0"> <tr> <td>Connection:</td> <td>for hose with nominal diameter:</td> <td>Seal:</td> <td></td> </tr> <tr> <td>Tri-Clamp DN 32</td> <td>DN 19 (3/4")</td> <td>EPDM</td> <td>0204-870</td> </tr> <tr> <td>Tri-Clamp DN 32</td> <td>DN 19 (3/4")</td> <td>FPM</td> <td>0204-871</td> </tr> <tr> <td>Tri-Clamp DN 32</td> <td>DN 25 (1")</td> <td>EPDM</td> <td>0204-872</td> </tr> <tr> <td>Tri-Clamp DN 32</td> <td>DN 25 (1")</td> <td>FPM</td> <td>0204-873</td> </tr> <tr> <td>Tri-Clamp DN 32</td> <td>DN 32 (1 1/4")</td> <td>EPDM</td> <td>0204-874</td> </tr> <tr> <td>Tri-Clamp DN 32</td> <td>DN 32 (1 1/4")</td> <td>FPM</td> <td>0204-875</td> </tr> <tr> <td>Tri-Clamp DN 32</td> <td>DN 40 (1 1/2")</td> <td>EPDM</td> <td>0204-876</td> </tr> <tr> <td>Tri-Clamp DN 32</td> <td>DN 40 (1 1/2")</td> <td>FPM</td> <td>0204-877</td> </tr> </table> <p>For individual needs, e.g. for connection to on-site Tri-clamp armatures:</p> <p>Tri-clamp hose connector (1.4404):</p> <table border="0"> <tr> <td>DN 32 for hose DN 19</td> <td>0370-093</td> </tr> <tr> <td>DN 32 for hose DN 25</td> <td>0370-094</td> </tr> <tr> <td>DN 32 for hose DN 32</td> <td>0370-095</td> </tr> <tr> <td>DN 32 for hose DN 40</td> <td>0370-096</td> </tr> </table> <p>Tri-clamp locking clamp (1.4408):</p> <table border="0"> <tr> <td>DN 25/32/40</td> <td>0370-088</td> </tr> </table> <p>Tri-Clamp seals:</p> <table border="0"> <tr> <td>DN 32, EPDM</td> <td>0314-592</td> </tr> <tr> <td>DN 32, FPM</td> <td>0314-593</td> </tr> <tr> <td>DN 40, EPDM</td> <td>0314-594</td> </tr> <tr> <td>DN 40, FPM</td> <td>0314-595</td> </tr> </table> <p>3 Adapter fitting Tri-Clamp DN 32 on tube fitting DIN 11851 Rd 58 x 1/6 (DIN 405)</p> <p>0172-668</p>	Connection:	for hose with nominal 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 40 (1 1/2")	EPDM	0204-876	Tri-Clamp DN 32	DN 40 (1 1/2")	FPM	0204-877	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 40	0370-096	DN 25/32/40	0370-088	DN 32, EPDM	0314-592	DN 32, FPM	0314-593	DN 40, EPDM	0314-594	DN 40, FPM	0314-595									
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	<p>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 10⁶ Ohm. (Consisting of hose connector, clamp collars, locking clamp and seal). Material: stainless steel (1.4404)</p> <table border="0"> <tr> <td>Connection:</td> <td>for hose with nominal diameter:</td> <td>Seal:</td> <td></td> </tr> <tr> <td>Tri-Clamp DN 32</td> <td>DN 19 (3/4")</td> <td>EPDM</td> <td>0204-860 ●</td> </tr> <tr> <td>Tri-Clamp DN 32</td> <td>DN 19 (3/4")</td> <td>FPM</td> <td>0204-861 ●</td> </tr> <tr> <td>Tri-Clamp DN 32</td> <td>DN 25 (1")</td> <td>EPDM</td> <td>0204-862 ●</td> </tr> <tr> <td>Tri-Clamp DN 32</td> <td>DN 25 (1")</td> <td>FPM</td> <td>0204-863 ●</td> </tr> <tr> <td>Tri-Clamp DN 32</td> <td>DN 32 (1 1/4")</td> <td>EPDM</td> <td>0204-864 ●</td> </tr> <tr> <td>Tri-Clamp DN 32</td> <td>DN 32 (1 1/4")</td> <td>FPM</td> <td>0204-865 ●</td> </tr> <tr> <td>Tri-Clamp DN 40**</td> <td>DN 40 (1 1/2")</td> <td>EPDM</td> <td>0204-866 ●</td> </tr> <tr> <td>Tri-Clamp DN 40**</td> <td>DN 40 (1 1/2")</td> <td>FPM</td> <td>0204-867 ●</td> </tr> </table> <p>For individual needs, e.g. for connection to on-site Tri-clamp armatures:</p> <p>Tri-clamp hose connector (1.4404):</p> <table border="0"> <tr> <td>DN 32 for hose DN 19</td> <td>0300-174</td> </tr> <tr> <td>DN 32 for hose DN 25</td> <td>0300-175</td> </tr> <tr> <td>DN 32 for hose DN 32</td> <td>0300-176</td> </tr> <tr> <td>DN 40 for hose DN 40</td> <td>0300-177</td> </tr> </table> <p>Clamp collar (1.4408):</p> <table border="0"> <tr> <td>DN 19</td> <td>0300-180</td> </tr> <tr> <td>DN 25</td> <td>0300-181</td> </tr> <tr> <td>DN 32</td> <td>0300-182</td> </tr> <tr> <td>DN 40</td> <td>0300-183</td> </tr> </table> <p>Tri-Clamp locking clamp (1.4408):</p> <table border="0"> <tr> <td>DN 25/32/40</td> <td>0370-088</td> </tr> </table> <p>Tri-Clamp Seals:</p> <table border="0"> <tr> <td>DN 32, EPDM</td> <td>0314-592</td> </tr> <tr> <td>DN 32, FPM</td> <td>0314-593</td> </tr> <tr> <td>DN 40, EPDM</td> <td>0314-594</td> </tr> <tr> <td>DN 40, FPM</td> <td>0314-595</td> </tr> </table>	Connection:	for hose with 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 40 (1 1/2")	EPDM	0204-866 ●	Tri-Clamp DN 40**	DN 40 (1 1/2")	FPM	0204-867 ●	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 40	0300-177	DN 19	0300-180	DN 25	0300-181	DN 32	0300-182	DN 40	0300-183	DN 25/32/40	0370-088	DN 32, EPDM	0314-592	DN 32, FPM	0314-593	DN 40, EPDM	0314-594	DN 40, FPM	0314-595	
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● Suitable for transferring combustible and easy inflammable liquids (e.g. ethanol, petrol) or in explosive hazard area.

Specification	Order-No.	Product detail
<p>10 Nozzle SS</p> <p>Ideally suitable for filling and transferring liquids – also for combustible and highly inflammable liquids – in food and pharmaceutical industry. Stainless steel (1.4571) housing and valve tappet. With hoop guard and rotating joint.</p> <p>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</p> <p>Basic price nozzle SS[▲] Additional price version: PURE FPM[▲] Additional price version: PURE EPDM^{®▲}</p> <p>[▲]Please choose Order-No. basic price nozzle + Order No. additional price version: PURE</p>	<p>0204-370 ● 0204-820 ● 0204-821 ●</p>	
<p>11 Drum adapter in PP</p> <p>For fixing the pump in the drum opening. For pump tube Ø 41 mm Outer thread G 2</p>	<p>0208-007</p>	
<p>11 Drum adapter in PE (electrically conductive)</p> <p>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</p>	<p>0208-055 ● 0208-052 ● 0208-054 ●</p>	
<p>12 Clamping device SS (1.4571)</p> <p>To fasten the drum pumps in open-topped drums and containers. For pump tube Ø 41 mm</p>	<p>0205-040 ●</p>	
<p>13 Installation flange SS (1.4571)</p> <p>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 Ø 41 mm</p>	<p>0151-622</p>	
<p>14 Wall bracket</p> <p>For safe storage of the pump when not in use.</p>	<p>0204-308</p>	
<p>15 Lifting device</p> <p>To simplify the process of lifting the pump in and out of drums and containers.</p> <p>For pumps with motors MA II and ME II For pumps with motors B4/GT</p>	<p>0211-047 0214-196</p>	

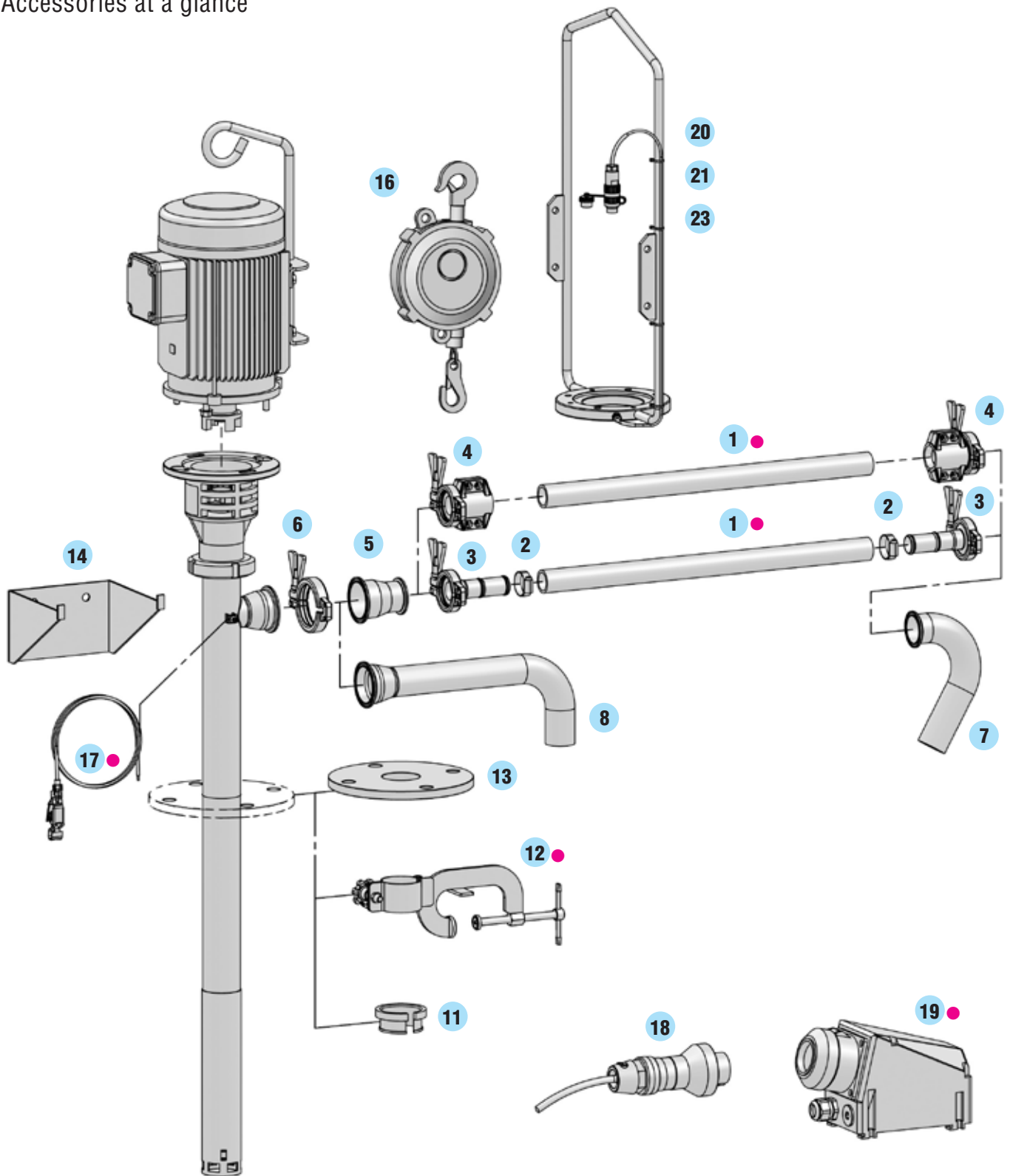
Accessories

For PURE drum and container pumps

Product detail	Specification	Order-No.
	<p>16 Hoist for drum pump, with infinitely adjustable load balancer for easy lifting and moving of the pump.</p> <p>Load bearing capacity: 10-14 kg Tackle: 2 m</p>	<p>0371-012</p>
	<p>17 Equipotential bonding cable Serves to create electrically conductive connection between explosion proof pump and container as earthing and equipotential bonding function.</p> <p>2 m long with fastening clip</p>	<p>0204-994 ●</p>
	<p>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.</p> <p>3-pole (alternating current) system CEAG for motor ME II 3-pole (alternating current) system STAHL for motor ME II</p>	<p>0336-536 ● 0336-540 ●</p>
	<p>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.</p> <p>3-pole (alternating current) system CEAG for motor ME II 3-pole (alternating current) system STAHL for motor ME II</p>	<p>0336-531 ● 0336-542 ●</p>
  	<p>21 Modular electronic 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)</p> <p>For more details see separate flow meter leaflet.</p> <p>8 Tri-Clamp locking clamp (1.4408) For fixing the flow meter VA10 PURE at the pump. (Suitable seal see item 9)</p> <p>DN 25/32/40</p> <p>9 Tri-Clamp seal For fixing the flow meter VA10 PURE at the pump.</p> <p>DN 32, EPDM DN 32, FPM DN 40, EPDM DN 40, FPM</p>	<p>0370-088 ●</p> <p>0314-592 0314-593 0314-594 0314-595</p>

Accessories

Accessories at a glance



1 ● Hose

2 Hose clamp

3 Hose connection

4 Hose connector

5 Tri-Clamp reducing piece

6 Tri-Clamp locking clamp

7 ● Discharge spout

8 ● Discharge spout

22 ● Locking device for drum inliner

11 Drum adapter

12 Clamping device

13 Installation flange

14 Wall bracket

16 ● Balancer

17 Equipotential bonding cable

18 ● Ex-plug

19 ● Ex-socket

20 ● Lifting device

21 Impulse transmitter

23 ● Operating unit


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

Specification	Order-No.	Product detail												
<p>1 PVC spiral hose</p> <p>Hose for food liquids made of PVC with woven layer and embedded galvanized steel spiral, smooth interior and exterior, complies with EU Regulation 1935/2004 EG.</p> <p>Operating pressure: max. 14 bar Temp. of medium: -5 °C up to +65 °C Nominal diameter: Weight:</p> <table border="0"> <tr> <td>DN 25 (1")</td> <td>0,67 kg/m</td> <td>0374-467</td> </tr> <tr> <td>DN 32 (1 1/4")</td> <td>0,80 kg/m</td> <td>0374-468</td> </tr> <tr> <td>DN 38 (1 1/2")</td> <td>1,15 kg/m</td> <td>0374-469</td> </tr> <tr> <td>DN 50 (2")</td> <td>1,60 kg/m</td> <td>0374-470</td> </tr> </table>	DN 25 (1")	0,67 kg/m	0374-467	DN 32 (1 1/4")	0,80 kg/m	0374-468	DN 38 (1 1/2")	1,15 kg/m	0374-469	DN 50 (2")	1,60 kg/m	0374-470		
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DN 38 (1 1/2")	1,15 kg/m	0374-469												
DN 50 (2")	1,60 kg/m	0374-470												
<p>1 Food chemical hose</p> <p>Colour coding: "blue/white/blue". Ideal for food and luxury foodstuffs, pharmaceuticals, cosmetics and hygiene products, complies with EU Regulation 1935/2004 EC and FDA and ATEX requirements. Internal finish: UPE light with spiraled OHM conductive stripes UPE black, smooth, non-bleeding, abrasion-resistant. Intermediate layer: EPDM conductive External finish: EPDM light grey, conductive, non-bleeding, ozone- and UV resistant, hardly inflammable, Type Ω smaller 10⁶ ohm (to EN 12115).</p> <p>Operating pressure: up to 16 bar Temperature of medium: -30 up to +100 °C can be sterilized at 130°C for 30 minutes (open system)</p> <p>Nominal diameter: Weight:</p> <table border="0"> <tr> <td>DN 25 (1")</td> <td>0,8 kg/m</td> <td>0374-476 ●</td> </tr> <tr> <td>DN 32 (1 1/4")</td> <td>0,9 kg/m</td> <td>0374-477 ●</td> </tr> <tr> <td>DN 38 (1 1/2")</td> <td>1,2 kg/m</td> <td>0374-478 ●</td> </tr> <tr> <td>DN 50 (2")</td> <td>1,9 kg/m</td> <td>0374-479 ●</td> </tr> </table>	DN 25 (1")	0,8 kg/m	0374-476 ●	DN 32 (1 1/4")	0,9 kg/m	0374-477 ●	DN 38 (1 1/2")	1,2 kg/m	0374-478 ●	DN 50 (2")	1,9 kg/m	0374-479 ●		
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<p>2 Stepless 1-ear hose clamp</p> <p>1-ear hose clamp of stainless steel for the safe fixing of different hoses onto the hose connection.</p> <p>for Tri-Clamp 0204-872 / PVC spiral hose DN 25, fabric reinforced for Tri-Clamp 0204-872 / Food chemical hose DN 25</p> <p>for Tri-Clamp 0204-874 / PVC spiral hose DN 32, fabric reinforced for Tri-Clamp 0204-874 / Food chemical hose DN 32</p> <p>for Tri-Clamp 0204-876 / PVC spiral hose DN 38, fabric reinforced for Tri-Clamp 0204-876 / Food chemical hose DN 38</p> <p>for Tri-Clamp 0204-872 / PVC spiral hose DN 50, fabric reinforced for Tri-Clamp 0204-872 / Food chemical hose DN 50</p>														

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

Accessories

For B70 PURE and B70 Sanitary

Product detail	Specification	Order-No.																																																																														
 <p>Caution: The assembler is responsible for the professional bonding of the hose according to the current Pressure Equipment Directive.</p>	<p>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)</p> <table border="0"> <tr> <td>Connection:</td> <td>for hose with nominal diameter:</td> <td>Seal:</td> <td></td> </tr> <tr> <td>Tri-Clamp DN 32**</td> <td>DN 19 (3/4")</td> <td>EPDM</td> <td>0204-870</td> </tr> <tr> <td>Tri-Clamp DN 32**</td> <td>DN 19 (3/4")</td> <td>FPM</td> <td>0204-871</td> </tr> <tr> <td>Tri-Clamp DN 32**</td> <td>DN 25 (1")</td> <td>EPDM</td> <td>0204-872</td> </tr> <tr> <td>Tri-Clamp DN 32**</td> <td>DN 25 (1")</td> <td>FPM</td> <td>0204-873</td> </tr> <tr> <td>Tri-Clamp DN 32**</td> <td>DN 32 (1 1/4")</td> <td>EPDM</td> <td>0204-874</td> </tr> <tr> <td>Tri-Clamp DN 32**</td> <td>DN 32 (1 1/4")</td> <td>FPM</td> <td>0204-875</td> </tr> <tr> <td>Tri-Clamp DN 32**</td> <td>DN 40 (1 1/2")</td> <td>EPDM</td> <td>0204-876</td> </tr> <tr> <td>Tri-Clamp DN 32**</td> <td>DN 40 (1 1/2")</td> <td>FPM</td> <td>0204-877</td> </tr> <tr> <td>Tri-Clamp DN 50</td> <td>DN 40 (1 1/2")</td> <td>EPDM</td> <td>0172-746</td> </tr> <tr> <td>Tri-Clamp DN 50</td> <td>DN 40 (1 1/2")</td> <td>FPM</td> <td>0204-878</td> </tr> <tr> <td>Tri-Clamp DN 50</td> <td>DN 50 (2")</td> <td>EPDM</td> <td>0204-879</td> </tr> <tr> <td>Tri-Clamp DN 50</td> <td>DN 50 (2")</td> <td>FPM</td> <td>0204-880</td> </tr> </table> <p>For individual needs, e.g. for connection to on-site Tri-clamp armatures:</p> <p>Tri-clamp hose connector (1.4404):</p> <table border="0"> <tr> <td>DN 32 for hose DN 19</td> <td>0370-093</td> </tr> <tr> <td>DN 32 for hose DN 25</td> <td>0370-094</td> </tr> <tr> <td>DN 32 for hose DN 32</td> <td>0370-095</td> </tr> <tr> <td>DN 32 for hose DN 40</td> <td>0370-096</td> </tr> <tr> <td>DN 50 for hose DN 50</td> <td>0370-097</td> </tr> </table> <p>Tri-clamp locking clamp (1.4408):</p> <table border="0"> <tr> <td>DN 25/32/40</td> <td>0370-088</td> </tr> <tr> <td>DN 50</td> <td>0370-084</td> </tr> </table> <p>Tri-Clamp Seals:</p> <table border="0"> <tr> <td>DN 32, EPDM</td> <td>0314-592</td> </tr> <tr> <td>DN 32, FPM</td> <td>0314-593</td> </tr> <tr> <td>DN 40, EPDM</td> <td>0314-594</td> </tr> <tr> <td>DN 40, FPM</td> <td>0314-595</td> </tr> <tr> <td>DN 50, EPDM</td> <td>0314-590</td> </tr> <tr> <td>DN 50, FPM</td> <td>0314-591</td> </tr> </table> <p>** 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.</p>	Connection:	for hose with nominal 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 40 (1 1/2")	EPDM	0204-876	Tri-Clamp DN 32**	DN 40 (1 1/2")	FPM	0204-877	Tri-Clamp DN 50	DN 40 (1 1/2")	EPDM	0172-746	Tri-Clamp DN 50	DN 40 (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	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 40	0370-096	DN 50 for hose DN 50	0370-097	DN 25/32/40	0370-088	DN 50	0370-084	DN 32, EPDM	0314-592	DN 32, FPM	0314-593	DN 40, EPDM	0314-594	DN 40, FPM	0314-595	DN 50, EPDM	0314-590	DN 50, FPM	0314-591	
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	<p>3 Adapter fitting Tri-Clamp</p> <table border="0"> <tr> <td>DN 32 on tube fitting DIN 11851 Rd 58 x 1/6 (DIN 405)</td> <td>0172-668</td> </tr> <tr> <td>DN 50 on tube fitting DIN 11851 Rd 78 x 1/6 (DIN 405)</td> <td>0172-747</td> </tr> </table>	DN 32 on tube fitting DIN 11851 Rd 58 x 1/6 (DIN 405)	0172-668	DN 50 on tube fitting DIN 11851 Rd 78 x 1/6 (DIN 405)	0172-747																																																																											
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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 10⁶ 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 40 (1 1/2")	EPDM	0204-866 ●
Tri-Clamp DN 40**	DN 40 (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 40	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 40	0300-183
DN 50	0300-184

Tri-Clamp locking clamp (1.4408):

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










Tri-Clamp Seals:

DN 32, EPDM	0314-592
DN 32, FPM	0314-593
DN 40, EPDM	0314-594
DN 40, FPM	0314-595
DN 50, EPDM	0314-590
DN 50, FPM	0314-591








** 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.

Accessories

For B70 PURE and B70 Sanitary

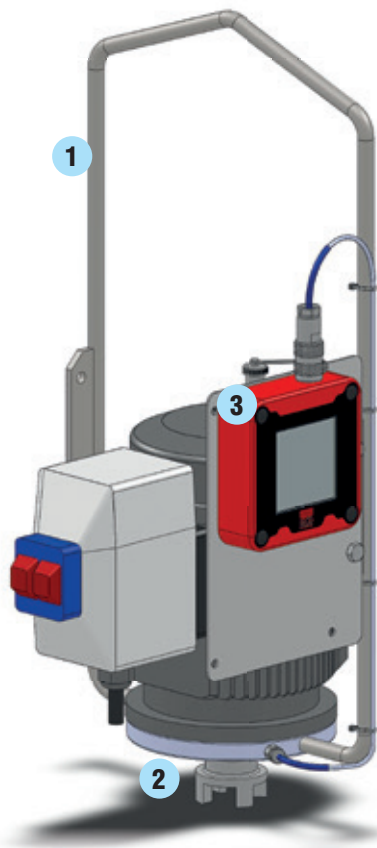
Product detail	Specification	Order-No.
	<p>5 Tri-Clamp reducing piece Suitable for connection of Tri-Clamp armatures DN 25/32/40 to a Tri-Clamp DN 50 connecting piece. Material: Stainless steel (1.4408)</p> <p>DN 50 onto DN 25/32/40</p>	0300-185 ●
	<p>6 Tri-Clamp locking clamp Suitable for connection of armatures DN 50 to a connecting piece DN 50. Material: Stainless steel (1.4408) incl. seal.</p> <p>DN 50, Seal EPDM DN 50, Seal FPM</p>	0172-745 ● 0204-477 ●
	<p>7 Discharge spout Zur Montage am Schlauchende zum direkten Ab- and Umfüllen in Behältnissen, inkl. Seal and Klammer. Material: Stainless steel (1.4301/EPDM)</p> <p>Tri-Clamp DN 32 Tri-Clamp DN 40</p>	0370-098 ● 0370-099 ●
	<p>8 Discharge spout For mounting at the end of the hose for direct filling and transferring in containers incl. seal and clamp. Material: Stainless steel (1.4571, 1.4404/EPDM).</p> <p>Tri-Clamp DN 50</p>	0172-748 ●
	<p>22 Locking device at the bottom for drum inliner For mounting onto the pump foot. Protects sensitive drum inliner and bags from damage.</p> <p>For pump tube B70V-H Sanitary</p>	0172-771 ●
	<p>11 Drum adapter in PP For fixing the eccentric screw pump B70 in the drum opening. For pump tube \varnothing 52-54 mm Universal for all current drum and bunghole openings</p>	0208-056
	<p>12 Clamping device SS (1.4571) To fasten the eccentric screw pump B70 in open-topped drums and containers. For pump tube \varnothing 52-54 mm</p>	0205-052 ●
	<p>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 \varnothing 52-54 mm</p>	0170-310
	<p>14 Wall bracket For safe storage of the eccentric screw pump B70 when not in use.</p> <p>for B70V for B70V-SR</p>	0204-309 0204-307

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

Specification	Order-No.	Product detail
<p>16 Hoist for eccentric screw pumps, with infinitely adjustable load balancer for easy lifting and moving of the pump</p> <p>Load bearing capacity: 18-22 kg Tackle: 2 m Load bearing capacity: 22-25 kg Tackle: 2 m Load bearing capacity: 25-30 kg Tackle: 2 m</p>	<p>0371-013 0371-014 0371-015</p>	
<p>17 Equipotential bonding cable Serves to create electrically conductive connection between explosion proof pump and container as earthing and equipotential bonding function.</p> <p>2 m long with fastening clip 2 m long with two fastening clips</p> <p style="text-align: right;">for B70V-H Sanitary</p>	<p>0204-994 ● 0204-992 ●</p>	
<p>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.</p> <p>3-pole (alternating current) CEAG for B70V-SR (Ex) 3-pole (alternating current) STAHL for B70V-SR (Ex) 5-pole (three phase current) CEAG for B70V (Ex) 5-pole (three phase current) STAHL for B70V (Ex)</p>	<p>0336-536 ● 0336-540 ● 0336-537 ● 0336-541 ●</p>	
<p>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.</p> <p>3-pole (alternating current) CEAG for B70V-SR (Ex) 3-pole (alternating current) STAHL for B70V-SR (Ex) 5-pole (three phase current) CEAG for B70V (Ex) 5-pole (three phase current) STAHL for B70V (Ex)</p>	<p>0336-531 ● 0336-542 ● 0336-420 ● 0336-543 ●</p>	
<p>23 Motor protective switch for motor B70V (Ex) Explosion proof according to EEx de IIC T6 with thermal and electromagnetic trip, protection class IP 66. A lifting device and two cable protective coverings are necessary for the mounting.</p> <p>Ex, 1,6 - 2,5 A Ex, 2,5 - 4,0 A Ex, 4,0 - 6,3 A</p>	<p>0335-414 ● 0335-419 ● 0335-420 ●</p>	
<p>18 Coupling part, motor side When sourcing your own motor please order the correct coupling to suit the relative shaft diameter.</p> <p>Shaft diameter: ø 14 mm ø 19 mm ø 24 mm ø 28 mm (only in combination with intermediate flange)</p> <p>Intermediate flange for ø 28 mm</p>	<p>0302-028 0302-027 0302-026 0302-029</p> <p>0172-850</p>	
<p>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.</p> <p>for pump tube HD-E for B70V-SR with universal motor</p>	<p>0155-154 0174-607</p>	

Accessories

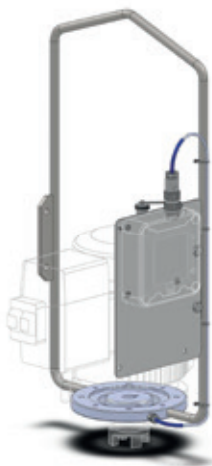
Contact-free indirect measurement



Product detail

Specification

Order-No.



1 Lifting device with integrated impulse sensor

Comprises of:

Impulse sensor with connecting cable and 14-wire coupling plug, lifting device and flange plate.
(Please order suitable impulse transmitter and control unit additionally)

Additional price* for three-phase motors up to 1.1 kW

0172-891

Additional price* for three-phase motors up to 1.5 kW
and explosion proof three-phase motors Ex

0172-892 ●

Complete set for retrofitting available pumps

0172-890 ●

*(Please indicate Ref. No. for additional price when ordering a pump)

2 Impulse transmitter

Must be ordered additionally suitable for the shaft diameter of the motor

For shaft diameters:

Ø 19 mm

0172-824

Ø 20 mm

0172-825

Ø 24 mm

0172-826

Ø 25 mm

0172-827

Ø 28 mm

0172-828

Ø 30 mm

0172-829

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

Specification	Order-No.	Product detail
<p>3 Control unit With touch screen display and menu-navigated operation. Is intended for evaluation of impulses and display of flow volume, battery-operated**</p> <p>Control unit BE10 Control unit Ex BE10B</p> <p>Power supply unit NG10 230 V for external power supply of the operating unit 220-240 V, 50-60 Hz, II (2) G [Ex ib] IIC</p>	<p>0230-000 0230-010 ●</p> <p>0230-230</p>	
<p>Accessories optional</p> <p>Relay module RM30 For three-phase motors up to 1.5 kW allows the filling with pre-selection (batch function), 400 V, 1.5 kW, 50 Hz, II (2) G [Ex ib] IIC</p> <p>Power cable RM30 400V 400 V, 50 Hz, 5-wire, 5 m long</p> <p>Connecting cable motor RM30 400V 400 V, 50 Hz, 5-wire, 0.6 m long</p> <p>Relay module RM10 For three-phase motors with frequency converter allows the filling with pre-selection (batch function), 220-240 V, 50-60 Hz, II (2) G [Ex ib] IIC</p> <p>Power cable RM10 230V 230 V, 50 Hz, 5 m long</p> <p>Adapter cable motor RM-FU 230V/24V For three-phase motors with frequency converter 230V AC/24V DC</p>	<p>0230-220</p> <p>0211-388</p> <p>0211-386</p> <p>0230-200</p> <p>0211-155</p> <p>0230-323</p>	

** Limited battery operation without power supply unit possible

Twice the **COMPETENCE...**



Professional Fluid Management

Drum pump sets

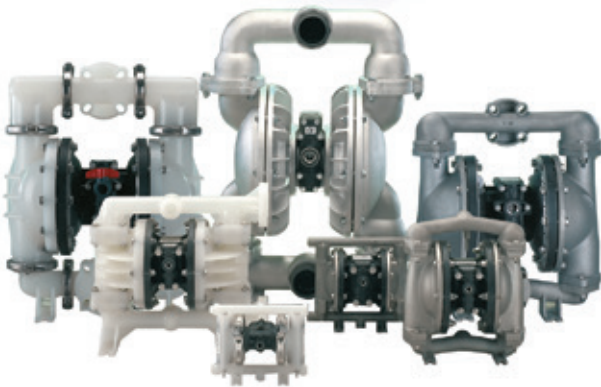
Drum and container pumps

Eccentric screw drum pumps

Flow meter systems

Air operated double diaphragm pumps

Vertical and horizontal centrifugal pumps



Lutz Pumpen GmbH

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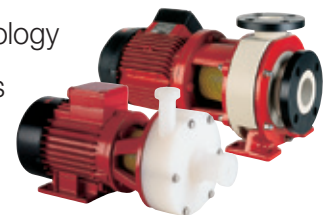
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