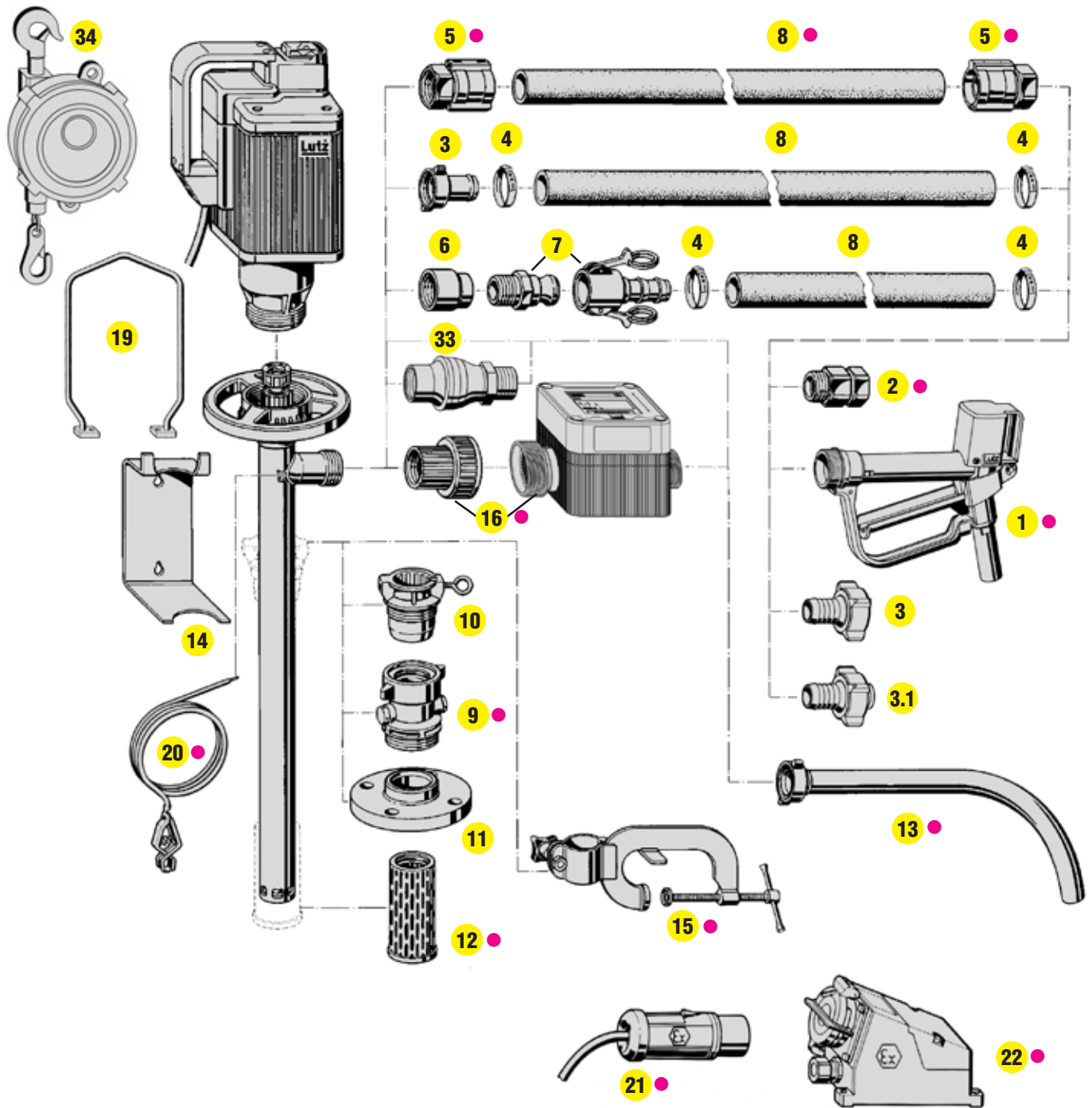


Accessories

At a glance







- 1** ● Nozzle
- 2** ● Turning knuckle
- 3** ● Hose connection
- 3.1** ● Hose connection, rotatable
- 4** ● Hose clamp
- 5** ● Hose connector
- 6** ● Reducing sleeve
- 7** ● Quick-action hose coupling



- 8** ● Hose
- 9** ● Emission proof drum adapter
- 10** ● Drum adapter
- 11** ● Installation flange
- 12** ● Foot strainer
- 13** ● Discharge spout
- 15** ● Clamping device

- 16** ● Flow meter
- 19** ● Lifting device
- 20** ● Equipotential bonding cable
- 21** ● Ex-plug
- 22** ● Ex-socket
- 33** ● Check valve
- 34** ● Hoist

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

Specification	Order-No.	Product detail
<p>1 PP nozzle</p> <p>For filling and transferring neutral and aggressive liquids. With hoop guard and two outlet spouts \varnothing 23 mm (cylindrical) and \varnothing 12 mm (conical). Polypropylene (PP) housing and valve tappet.</p> <p>Operating pressure: max. 3 bar at 20 °C Viscosity: max. 760 mPas Flow rate: max. 50 l/min. (Water) Temperature of medium: max. 50 °C Weight: approx. 0.25 kg Connection: outer thread G 1 1/4 Seal: FPM (FPM) EPDM FEP/FPM</p>	<p>0204-380 0204-385 0204-387</p>	
<p>1 PVDF nozzle</p> <p>For filling and transferring neutral and aggressive liquids. With hoop guard and two outlet spouts \varnothing 23 mm (cylindrical) and \varnothing 12 mm (conical). Polyvinylidenfluoride (PVDF) housing and valve tappet. FPM (FPM) seals. Additional costs for seals FFPM or FEP/FPM see price list.</p> <p>Operating pressure: max. 3 bar at 20 °C Viscosity: max. 760 mPas Flow rate: max. 50 l/min. (Water) Temperature of medium: max. 80 °C Weight: approx. 0.3 kg Connection: outer thread G 1 1/4</p>	<p>0204-390</p>	
<p>1 Stainless steel nozzle</p> <p>Ideally suitable for filling and transferring liquids - also for combustible and easy flammable liquids - in food and pharmaceutical industry. Stainless steel (1.4571) housing and valve tappet. With hoop guard and rotating joint. Additional costs for seals EPDM. Nozzle in PURE-version available.</p> <p>Operating pressure: max. 3 bar Viscosity: max. 760 mPas Flow rate: max. 50 l/min. (Water) Temperature of medium: max. 80 °C Weight: approx. 1 kg Connection: outer thread G 1 1/4 Seal: FPM (FPM) FEP/FPM</p>	<p>0204-370 ● 0204-377 ●</p>	 

Hose connection (item 3) or hose connector (item 5)
for quick starting up.

Specification	Order-No.	Product detail
<p>3 Hose connection Hose connector with wing nut for connecting the hoses to the pump tube or nozzle.</p>		
<p>Connection: inner thread G 1 1/4</p>		
<p>Material: Nominal diameter:</p>		
PP	DN 13 (1/2")	0204-409
PP	DN 19 (3/4")	0204-410
PP	DN 25 (1")	0204-411
PP	DN 32 (1 1/4")	0204-412
PP grey	DN 19 (3/4")	0204-419
PVDF	DN 19 (3/4")	0204-421
PVDF	DN 25 (1")	0204-422
PVDF	DN 32 (1 1/4")	0204-423
Alu	DN 19 (3/4")	0204-403
Alu	DN 25 (1")	0204-404
Alu	DN 32 (1 1/4")	0204-405
Stainless steel	DN 19 (3/4")	0204-400
Stainless steel	DN 25 (1")	0204-401
Stainless steel	DN 32 (1 1/4")	0204-402
HC	DN 25 (1")	0204-407
<p>Connection: outer thread G 1</p>		
<p>Material: Nominal diameter:</p>		
Brass	DN 19 (3/4")	0204-428
Brass	DN 25 (1")	0204-429
		
<p>3.1 Hose connection rotatable Hose connector with wing nut for connecting the hoses to the PP and PVDF nozzle.</p>		
<p>Connection: inner thread G 1 1/4</p>		
<p>Material: Nominal diameter: Seal</p>		
PP	DN 19 (3/4")	Seal FPM/FPM 0204-424
PP	DN 25 (1")	Seal FPM/FPM 0204-434
PP	DN 32 (1 1/4")	Seal FPM/FPM 0204-367
PP	DN 19 (3/4")	Seal FEP/FPM 0204-430
PP	DN 25 (1")	Seal FEP/FPM 0204-431
PP	DN 19 (3/4")	Seal EPDM 0204-432
PP	DN 25 (1")	Seal EPDM 0204-433
PVDF	DN 19 (3/4")	Seal FPM/FPM 0204-435
PVDF	DN 25 (1")	Seal FPM/FPM 0204-425
PVDF	DN 32 (1 1/4")	Seal FPM/FPM 0204-368
Connecting sleeve	PP	G 1 1/4" 0204-353*
	PVDF	G 1 1/4" 0204-354*
		
<p>* Necessary when using a hose connection rotatable at the pump tube.</p>		

Accessories



Nozzles, check valves

Product detail	Specification	Order-No.
	<p>1 Brass nozzle Brass housing and valve tappet, nickel-plated. PTFE seals. With hoop guard and rotating joint. For filling and transferring solvents and neutral liquids.</p> <p>Operating pressure: max. 4 bar Viscosity: max. 760 mPas Flow rate: max. 80 l/min. (Water) Temperature of medium: max. 80 °C Weight: approx. 0.6 kg Connection: outer thread G 1 1/4</p>	<p>0372-502 ●</p>
	<p>1 Aluminium nozzle For filling and transferring fuel and diesel oil. Aluminium housing and valve tappet. NBR seals. With hoop guard and rotating joint.</p> <p>Operating pressure: max. 4 bar Viscosity: max. 760 mPas Flow rate: max. 60 l/min. (Water) Temperature of medium: max. 60 °C Weight: approx. 0.5 kg Connection: inner thread G 1</p>	<p>0372-250</p>
	<p>1 Automatic aluminium nozzle Automatic switch-off with ball-tilt safety release. Housing in aluminium, internal components in brass/Delrin. Swivel hose connection is possible.</p> <p>Operating pressure: min. 0.5 up to 4 bar Viscosity: max. 7 mPas Flow rate: max. 80 l/min. (Water) Temperature of medium: max. 60 °C Weight: approx. 1.1 kg Connection: outer thread G 1 Seal: PTFE</p> <p>2 Rotating joint Rotating connection between hose connector and nozzle. FEP/FPM seals.</p> <p>Material: Nominal diameter: Brass inner thread G 1/outer thread G 1 Stainless steel inner thread G 1/outer thread G 1 Stainless steel outer thread G 1/outer thread G 1</p>	<p>0372-245 ●</p> <p>0372-120 ● 0370-012 ● 0370-011 ●</p>
	<p>33 Check valve Prevents backflow of the liquid at downtime of the pump.</p> <p>Material: Nominal diameter: Operating pressure: Stainless steel 1.4301 inner thread G 1 1/4 max. 16 bar 0372-017 Stainless steel 1.4401 inner thread G 1 1/4, seal PTFE max. 16 bar 0372-050 Stainless steel 1.4401 inner thread G 1 1/4/outer thread G 1 1/4 seal PTFE (preferred for horizontal fitting) max. 16 bar 0204-516 PVC inner thread G 1 1/4/outer thread G 1 1/4 seal EPDM (preferred for horizontal fitting) max. 6 bar 0204-517</p>	

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




Accessories

Hose clips, hose connections

Product detail	Specification	Order-No.																																																						
	<p>4 Hose clips</p> <p>Stainless steel hose clips with threaded screw for fixing hoses of various nominal bore at the hose connection.</p> <p>Nominal diameter: DN 19 (3/4") DN 25 (1") DN 32 - 38 (1 1/4" - 1 1/2")</p>	<p>0301-400 0301-401 0302-402</p>																																																						
	<p>5 Hose connector</p> <p>The use of conductive hoses is obligatory in explosion hazard areas. The ohmic resistance between the armatures must be less than 10⁶ ohm. The hose connection must ensure a highly conductive transition between hose and pump tube.</p> <p>Brass</p> <table border="0"> <tr> <td>for hose DN 19 (3/4")</td> <td>inner thread G 1 (EN12 115)</td> <td>0302-073 ●</td> </tr> <tr> <td>for hose DN 19 (3/4")</td> <td>outer thread G 1 (EN12 115)</td> <td>0302-074 ●</td> </tr> <tr> <td>for hose DN 19 (3/4")</td> <td>inner thread G 1 1/4 (EN12 115)</td> <td>0302-106 ●</td> </tr> <tr> <td>for hose DN 25 (1")</td> <td>inner thread G 1 (EN12 115)</td> <td>0302-011 ●</td> </tr> <tr> <td>for hose DN 25 (1")</td> <td>outer thread G 1 (EN12 115)</td> <td>0302-010 ●</td> </tr> <tr> <td>for hose DN 25 (1")</td> <td>inner thread G 1 1/4 (EN12 115)</td> <td>0302-012 ●</td> </tr> <tr> <td>for hose DN 32 (1 1/4")</td> <td>outer thread G 1 1/4 (EN12 115)</td> <td>0302-093 ●</td> </tr> <tr> <td>for hose DN 32 (1 1/4")</td> <td>inner thread G 1 1/4 (EN12 115)</td> <td>0302-107 ●</td> </tr> </table> <p>Brass for mineral oil hose DN 19 / DN 25</p> <table border="0"> <tr> <td>for mineral oil hose DN 19 (3/4")</td> <td>inner thread G 1 (EN12 115)</td> <td>0302-111 ●</td> </tr> <tr> <td>for mineral oil hose DN 25 (1")</td> <td>inner thread G 1 (EN12 115)</td> <td>0302-112 ●</td> </tr> <tr> <td>for mineral oil hose DN 25 (1")</td> <td>inner thread G 1 1/4 (EN12 115)</td> <td>0302-113 ●</td> </tr> </table> <p>Stainless steel (1.4571)</p> <table border="0"> <tr> <td>for hose DN 19 (3/4")</td> <td>inner thread G 1 (EN12 115)</td> <td>0302-108 ●</td> </tr> <tr> <td>for hose DN 19 (3/4")</td> <td>inner thread G 1 1/4 (EN12 115)</td> <td>0302-109 ●</td> </tr> <tr> <td>for hose DN 25 (1")</td> <td>inner thread G 1 (EN12 115)</td> <td>0302-014 ●</td> </tr> <tr> <td>for hose DN 25 (1")</td> <td>outer thread G 1 (EN12 115)</td> <td>0302-013 ●</td> </tr> <tr> <td>for hose DN 25 (1")</td> <td>inner thread G 1 1/4 (EN12 115)</td> <td>0302-015 ●</td> </tr> <tr> <td>for hose DN 32 (1 1/4")</td> <td>outer thread G 1 1/4 (EN12 115)</td> <td>0302-094 ●</td> </tr> <tr> <td>for hose DN 32 (1 1/4")</td> <td>inner thread G 1 1/4 (EN12 115)</td> <td>0302-110 ●</td> </tr> </table>	for hose DN 19 (3/4")	inner thread G 1 (EN12 115)	0302-073 ●	for hose DN 19 (3/4")	outer thread G 1 (EN12 115)	0302-074 ●	for hose DN 19 (3/4")	inner thread G 1 1/4 (EN12 115)	0302-106 ●	for hose DN 25 (1")	inner thread G 1 (EN12 115)	0302-011 ●	for hose DN 25 (1")	outer thread G 1 (EN12 115)	0302-010 ●	for hose DN 25 (1")	inner thread G 1 1/4 (EN12 115)	0302-012 ●	for hose DN 32 (1 1/4")	outer thread G 1 1/4 (EN12 115)	0302-093 ●	for hose DN 32 (1 1/4")	inner thread G 1 1/4 (EN12 115)	0302-107 ●	for mineral oil hose DN 19 (3/4")	inner thread G 1 (EN12 115)	0302-111 ●	for mineral oil hose DN 25 (1")	inner thread G 1 (EN12 115)	0302-112 ●	for mineral oil hose DN 25 (1")	inner thread G 1 1/4 (EN12 115)	0302-113 ●	for hose DN 19 (3/4")	inner thread G 1 (EN12 115)	0302-108 ●	for hose DN 19 (3/4")	inner thread G 1 1/4 (EN12 115)	0302-109 ●	for hose DN 25 (1")	inner thread G 1 (EN12 115)	0302-014 ●	for hose DN 25 (1")	outer thread G 1 (EN12 115)	0302-013 ●	for hose DN 25 (1")	inner thread G 1 1/4 (EN12 115)	0302-015 ●	for hose DN 32 (1 1/4")	outer thread G 1 1/4 (EN12 115)	0302-094 ●	for hose DN 32 (1 1/4")	inner thread G 1 1/4 (EN12 115)	0302-110 ●	
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● Suitable for transferring combustible and easy flammable liquids (e.g. ethanol, petrol) or in explosive hazard area.

Double nipple, reducing sleeves, quick-action hose couplings

Specification	Order-No.	Product detail																																
<p>Double nipple Stainless steel (1.4571) G 1 1/4 outer thread</p>	0300-106																																	
<p>6 Reducing sleeve To connect quick action hose coupling with pump tube. Inner thread G 1 1/4 and G 1</p> <p>Material: PP Brass Stainless steel</p>	<p>0204-072 0372-018 0372-019</p>																																	
<p>7 Quick-action hose coupling Ensure rapid, water-tight and leakproof connection between pump and hose. Available in aluminium, brass, stainless steel and polypropylene.</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">Alu</td> <td style="width: 35%;">male element DN 25 (1")</td> <td style="width: 15%;"></td> <td style="width: 35%; text-align: right;">0372-020</td> </tr> <tr> <td>Alu</td> <td>female element DN 25 (1")</td> <td>Seal NBR</td> <td style="text-align: right;">0372-021</td> </tr> <tr> <td>Brass</td> <td>male element DN 25 (1")</td> <td></td> <td style="text-align: right;">0372-022</td> </tr> <tr> <td>Brass</td> <td>female element DN 25 (1")</td> <td>Seal FPM</td> <td style="text-align: right;">0372-023</td> </tr> <tr> <td>Stainless steel (1.4571)</td> <td>male element DN 25 (1")</td> <td></td> <td style="text-align: right;">0372-024</td> </tr> <tr> <td>Stainless steel (1.4571)</td> <td>female element DN 25 (1")</td> <td>Seal FEP/EPDM</td> <td style="text-align: right;">0372-025</td> </tr> <tr> <td>PP</td> <td>male element DN 25 (1")</td> <td></td> <td style="text-align: right;">0372-026</td> </tr> <tr> <td>PP</td> <td>female element DN 25 (1")</td> <td>Seal FPM</td> <td style="text-align: right;">0372-027</td> </tr> </table>	Alu	male element DN 25 (1")		0372-020	Alu	female element DN 25 (1")	Seal NBR	0372-021	Brass	male element DN 25 (1")		0372-022	Brass	female element DN 25 (1")	Seal FPM	0372-023	Stainless steel (1.4571)	male element DN 25 (1")		0372-024	Stainless steel (1.4571)	female element DN 25 (1")	Seal FEP/EPDM	0372-025	PP	male element DN 25 (1")		0372-026	PP	female element DN 25 (1")	Seal FPM	0372-027		<p>A complete quick-action hose coupling is consisting of reducing sleeves plus female and male coupling element.</p>
Alu	male element DN 25 (1")		0372-020																															
Alu	female element DN 25 (1")	Seal NBR	0372-021																															
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PP	male element DN 25 (1")		0372-026																															
PP	female element DN 25 (1")	Seal FPM	0372-027																															

Accessories

PVC hoses, mineral oil hoses, solvent hoses

Product detail	Specification	Order-No.																		
	<p>8 PVC-spiral hose PVC hose, with steel helix. For aggressive, non-flammable liquids.</p> <p>Temperature of medium: -5 up to +65 °C</p> <table border="0"> <tr> <td>Nominal diameter:</td> <td>Weight:</td> <td>Operating pressure:</td> </tr> <tr> <td>DN 19 (3/4")</td> <td>0.31 kg/m</td> <td>max. 5 bar</td> </tr> <tr> <td>DN 25 (1")</td> <td>0.51 kg/m</td> <td>max. 5 bar</td> </tr> <tr> <td>DN 32 (1 1/4")</td> <td>0.66 kg/m</td> <td>max. 4.5 bar</td> </tr> </table> <p><small>*Hose for food liquids, made of PVC with imbedded galvanized steel helix, inside and outside smooth, complies with EU-regulations 10/2011 and 1935/2004.</small></p>	Nominal diameter:	Weight:	Operating pressure:	DN 19 (3/4")	0.31 kg/m	max. 5 bar	DN 25 (1")	0.51 kg/m	max. 5 bar	DN 32 (1 1/4")	0.66 kg/m	max. 4.5 bar	<p>0374-457* 0374-440* 0374-441</p>						
Nominal diameter:	Weight:	Operating pressure:																		
DN 19 (3/4")	0.31 kg/m	max. 5 bar																		
DN 25 (1")	0.51 kg/m	max. 5 bar																		
DN 32 (1 1/4")	0.66 kg/m	max. 4.5 bar																		
	<p>8 PVC hose, fabric reinforced Hose made of PVC, fabric reinforced. For aggressive, non-flammable liquids.</p> <p>Temperature of medium: -10 up to +60 °C</p> <table border="0"> <tr> <td>Nominal diameter:</td> <td>Weight:</td> <td>Operating pressure:</td> </tr> <tr> <td>DN 32 (1 1/4")</td> <td>0.715 kg/m</td> <td>max. 7 bar</td> </tr> </table>	Nominal diameter:	Weight:	Operating pressure:	DN 32 (1 1/4")	0.715 kg/m	max. 7 bar	<p>0374-425</p>												
Nominal diameter:	Weight:	Operating pressure:																		
DN 32 (1 1/4")	0.715 kg/m	max. 7 bar																		
	<p>8 Mineral oil hose Colour coding: "yellow". Hose for mineral oil products of all kinds and super up to 50 % aromatics and methanol content. Inner rubber NBR and outer rubber chloroprene (CR). Electrically conductive: Type Ω/T (<10⁶ Ohm between the fittings, <10⁹ Ohm through the hose wall) according to DIN EN 12115:2011.</p> <table border="0"> <tr> <td>Operating pressure:</td> <td>max. 16 bar</td> </tr> <tr> <td>Temperature of medium:</td> <td>-30 up to +90 °C</td> </tr> <tr> <td>Nominal diameter:</td> <td>Weight:</td> </tr> <tr> <td>DN 32 (1 1/4")</td> <td>1.0 kg/m</td> </tr> </table> <p>Hose for mineral oil products of all kinds and super up to 50 % aromatics and methanol content. Inner rubber NBR (conductive) and outer rubber NBR (not conductive). Electrically conductive: Type Ω-CL (<10⁶ Ohm between the fittings) according to TRbF 50 appendix B (TRbF 131/2).</p> <table border="0"> <tr> <td>Operating pressure:</td> <td>max. 10 bar</td> </tr> <tr> <td>Temperature of medium:</td> <td>-25 up to +65 °C</td> </tr> <tr> <td>Nominal diameter:</td> <td>Weight:</td> </tr> <tr> <td>DN 19 (3/4")</td> <td>0.4 kg/m</td> </tr> <tr> <td>DN 25 (1")</td> <td>0.5 kg/m</td> </tr> </table>	Operating pressure:	max. 16 bar	Temperature of medium:	-30 up to +90 °C	Nominal diameter:	Weight:	DN 32 (1 1/4")	1.0 kg/m	Operating pressure:	max. 10 bar	Temperature of medium:	-25 up to +65 °C	Nominal diameter:	Weight:	DN 19 (3/4")	0.4 kg/m	DN 25 (1")	0.5 kg/m	<p>0374-413 ●</p> <p>0374-461 ● 0374-462 ●</p>
Operating pressure:	max. 16 bar																			
Temperature of medium:	-30 up to +90 °C																			
Nominal diameter:	Weight:																			
DN 32 (1 1/4")	1.0 kg/m																			
Operating pressure:	max. 10 bar																			
Temperature of medium:	-25 up to +65 °C																			
Nominal diameter:	Weight:																			
DN 19 (3/4")	0.4 kg/m																			
DN 25 (1")	0.5 kg/m																			
	<p>8 Solvent hose Colour coding: "blue". Hose suitable for a wide range of commercial solvents. Inner rubber of special coating and outer rubber of NBR/PVC-Compound. (starting from DN 25 with galvanized steel helix, it is suitable as suction and pressure hose). Electrically conductive: Type Ω/T (<10⁶ Ohm between the fittings, <10⁹ Ohm through the hose wall) according to DIN EN 12115:2011.</p> <table border="0"> <tr> <td>Operating pressure:</td> <td>max. 16 bar</td> </tr> <tr> <td>Range of temperature:</td> <td>-20 up to +80 °C (dependant on the liquid), steaming out up to 130 °C for max. 30 minutes (open ends)</td> </tr> <tr> <td>Nominal diameter:</td> <td>Weight:</td> </tr> <tr> <td>DN 19 (3/4")</td> <td>0.6 kg/m</td> </tr> <tr> <td>DN 25 (1")</td> <td>0.8 kg/m</td> </tr> <tr> <td>DN 32 (1 1/4")</td> <td>1.2 kg/m</td> </tr> </table>	Operating pressure:	max. 16 bar	Range of temperature:	-20 up to +80 °C (dependant on the liquid), steaming out up to 130 °C for max. 30 minutes (open ends)	Nominal diameter:	Weight:	DN 19 (3/4")	0.6 kg/m	DN 25 (1")	0.8 kg/m	DN 32 (1 1/4")	1.2 kg/m	<p>0374-416 ● 0374-417 ● 0374-418 ●</p>						
Operating pressure:	max. 16 bar																			
Range of temperature:	-20 up to +80 °C (dependant on the liquid), steaming out up to 130 °C for max. 30 minutes (open ends)																			
Nominal diameter:	Weight:																			
DN 19 (3/4")	0.6 kg/m																			
DN 25 (1")	0.8 kg/m																			
DN 32 (1 1/4")	1.2 kg/m																			

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

Specification	Order-No.	Product detail															
<p>8 Universal chemical hose</p> <p>Colour coding: "blue/white/blue".</p> <p>Suitable for clean chemicals, cosmetics, photo-chemicals, paints and glues, washing and cleaning products, hygienic products as well as foodstuffs and luxury foodstuffs, (for more information see resistance table). Conform to FDA and USP class VI. Complies with EU-regulations 10/2011 and 1935/2004.</p> <p>Internal finish: UPE light with spiraled OHM conductive stripes UPE black, smooth, non-bleeding, abrasion-resistant. Intermediate layer: EPDM conductive (complies with the requirements of the recommendation XXI category 2 of the BfR and FDA standards).</p> <p>External finish: EPDM light grey, conductive, non-bleeding, ozone- and UV resistant, hardly flammable, (starting from DN 25 with galvanized steel helix, suitable as suction and pressure hose).</p> <p>Electrically conductive: Type Ω/T ($<10^6$ Ohm between the fittings, $<10^9$ Ohm through the hose wall) according to DIN EN 12115:2011.</p> <p>Operating pressure: max. 16 bar</p> <p>Range of temperature: -30 up to +100 °C (dependant on the liquid), steaming out up to 130°C for max. 30 minutes (open ends)</p> <p>Nominal diameter: Weight:</p> <table style="width: 100%;"> <tr> <td>DN 19 (3/4")</td> <td>0.6 kg/m</td> <td style="text-align: right;">0374-475 ●</td> </tr> <tr> <td>DN 25 (1")</td> <td>0.8 kg/m</td> <td style="text-align: right;">0374-476 ●</td> </tr> <tr> <td>DN 32 (1 1/4")</td> <td>0.9 kg/m</td> <td style="text-align: right;">0374-477 ●</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 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 ●															
<p>8 Special chemical hose FEP</p> <p>Colour coding: "blue/white/red".</p> <p>Suitable for all commonly used media, ideal also for very pure products. Suitable as suction and pressure hose.</p> <p>Internal finish: FEP transparent, smooth, seamless, non-leaching, non-dyeing, not electrically conductive (in conformity with FDA and USP Class VI demands).</p> <p>External finish: EPDM electrically conductive. Light grey with OHM conductive stripes, with galvanized steel helix.</p> <p>Electrically conductive: Type $\Omega-C$ ($<10^6$ Ohm between the fittings) according to DIN EN 12115:2011. (NOT suitable for non-conductive, flammable liquids!)</p> <p>Operating pressure: max. 16 bar</p> <p>Range of temperature: -30 up to +100 °C (dependant on the liquid), steaming out for cleaning and sterilisation permissible up to 150°C for max. 30 minutes (open ends)</p> <p>Nominal diameter: Weight:</p> <table style="width: 100%;"> <tr> <td>DN 19 (3/4")</td> <td>0.7 kg/m</td> <td style="text-align: right;">0374-428</td> </tr> <tr> <td>DN 25 (1")</td> <td>1.0 kg/m</td> <td style="text-align: right;">0374-429</td> </tr> <tr> <td>DN 32 (1 1/4")</td> <td>1.1 kg/m</td> <td style="text-align: right;">0374-430</td> </tr> </table> <p>Special chemical hose PTFE</p> <p>Colour coding: "blue/white/red".</p> <p>Suitable for all commonly used media, ideal also for very pure products.</p> <p>Suitable as suction and pressure hose.</p> <p>Internal finish: PTFE black, smooth, seamless, electrically conductive (Conform to FDA and USP class VI. Complies with EU-regulations 10/2011 and 1935/2004).</p> <p>External finish: EPDM electrically conductive. Black, galvanized steel helix.</p> <p>Electrically conductive: Type Ω/T ($<10^6$ Ohm between the fittings, $<10^9$ Ohm through the hose wall) according to DIN EN 12115:2011.</p> <p>Operating pressure: max. 16 bar</p> <p>Range of temperature: -30 up to +150 °C (dependant on the liquid), steaming out for cleaning and sterilisation permissible up to 150°C for max. 30 minutes (open ends)</p> <p>Nominal diameter: Weight:</p> <table style="width: 100%;"> <tr> <td>DN 19 (3/4")</td> <td>0.7 kg/m</td> <td style="text-align: right;">0374-481 ●</td> </tr> <tr> <td>DN 25 (1")</td> <td>1.0 kg/m</td> <td style="text-align: right;">0374-482 ●</td> </tr> </table>	DN 19 (3/4")	0.7 kg/m	0374-428	DN 25 (1")	1.0 kg/m	0374-429	DN 32 (1 1/4")	1.1 kg/m	0374-430	DN 19 (3/4")	0.7 kg/m	0374-481 ●	DN 25 (1")	1.0 kg/m	0374-482 ●		 
DN 19 (3/4")	0.7 kg/m	0374-428															
DN 25 (1")	1.0 kg/m	0374-429															
DN 32 (1 1/4")	1.1 kg/m	0374-430															
DN 19 (3/4")	0.7 kg/m	0374-481 ●															
DN 25 (1")	1.0 kg/m	0374-482 ●															

Accessories

Emission proof drum adapters



To permit reliable application, emission protection for „on site“ pumping operations must be made as convenient as possible under practical conditions. The Lutz EMIGA system achieves more for the user while involving less work:

- ✓ All that is needed is a single drum adapter with two integrated valves.
- ✓ Due to „active seal“, emission protection is guaranteed even in the event of wear and tear, damage or pump tube diameter tolerances.
- ✓ The lower part of the adapter can be adapted to varying thread and diameter sizes in container openings.
- ✓ Simple installation using a plug-in-connection for individual adaption.
- ✓ Stability ensured by integrated spring loaded mechanism.
- ✓ Suitable container cup for container emptying available.
- ✓ Larger dimensioned air valves cater for pressure equalisation by the fast emptying of containers.

Product detail



Specification

Order-No.

9 Emission proof drum adapter

To prevent emission of dangerous gases when using a drum pump, so protecting the operator, the environment and the drive motor from hazardous, aggressive gases and vapours. Two venting valves ensure pressure compensation between inside of the drum and surrounding atmosphere.

Connection for gas displacement pipe: G 3/8; Screw-in thread: G 2 outer thread

Seals: FPM or EPDM.

Other threads and seal materials on request.

Material:	Pump tube diameter:
PP	41 mm
PVDF	41 mm
Brass	41 mm
Stainless steel	41 mm

0204-250
0204-465
0204-252 ●
0204-253 ●

Following special threads are available

PP, brass, stainless steel	Tri-Sure 2", BCS 56 x 4 OT, Mauser 2", BCS 70 x 6 OT
Brass, stainless steel	M 64 x 4 OT

Air valve for emptying of containers (additional costs see price list)

0204-364

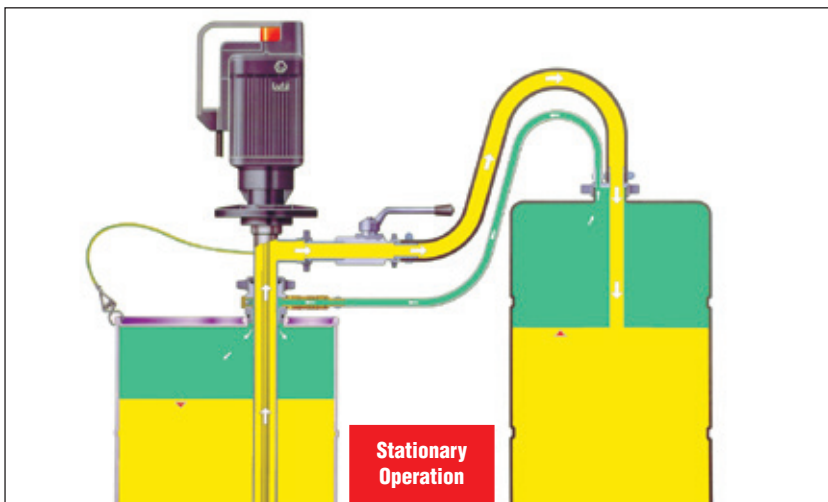
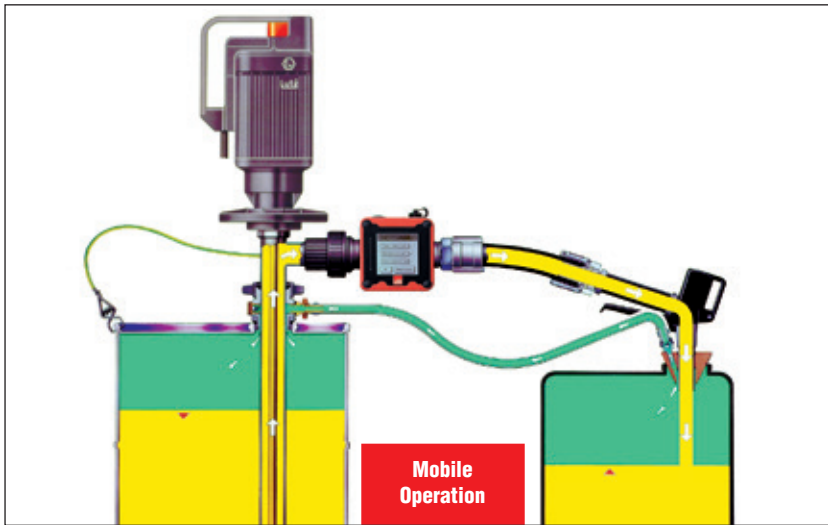
Container cap

DN 150
 DN 225

0373-060
0373-061

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

EMIGA: emission proof drum adapters with gas displacement system



Concern about air pollution has never been so widespread as it is today. Acting on its sense of environmental responsibility, Lutz has further developed its emission proof drum adapter as a complete gas displacement system. Harmful gases and vapours created when transporting hazardous media remain practically in a closed system while themselves ensuring the necessary pressure compensation.

- ✓ Prevents emissions of harmful gases and vapours when filling **and** emptying.
- ✓ Protects the operator as well as the environment from noxious, toxic and/or severely oxidising emissions.
- ✓ All advantages of the reliable Lutz-EMIGA-system will be maintained.
- ✓ For flexible operation with nozzle or stationary operation by fixed union.
- ✓ A check valve integrated into the gas displacement pipe, prevents the gas from back-flow at standstill of the pump.

Specification

Gas sealing kit with union for stationary operation

Reliable connection by fixed union on the container.
Stop valve and fast-action coupling ensure as fast and safe changing of drum.

Gas sealing kit with union

comprising of:
Stop valve, connection fittings, sealing plug, drip-free fast action coupling closing on two sides, hose connection with wing nut

Shown in addition here:
Emission drum adapter stainless steel

Gas sealing hose:
PVC-hose DN 9

Other emission proof drum adapters see page 88

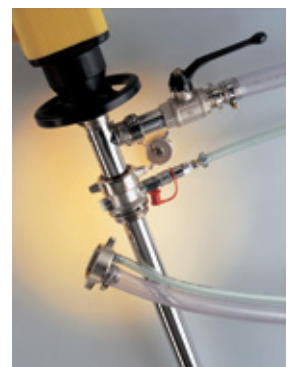
Order-No.

0204-202

0204-253



0373-153

Product detail



Accessories

EMIGA: for safe handling of hazardous liquids

Product detail	Specification	Order-No.
	<p>Gas sealing kit with nozzle for flexible operation</p> <p>The sealing plug adapts on different drum and container openings (D = 40-75 mm). Combined with a nozzle a safe transferring even into small vessels ist possible. A valve integrated into the gas displacement pipe, prevents the gas from back-flow at standstill of the pump or changing the drum.</p> <hr/> <p>Application with pump tube SS 41 and nozzle SS</p> <p>Variable system for use with a nozzle in such areas as fuels and solvents, etc.</p> <p>Gas sealing kit for nozzle</p> <p>comprises of: Conical sealing plug, check valve for gas displacement pipe, screw-in nipple with wing nut and connection piece, hose clamps</p> <p>Shown in addition here: Emission proof drum adapter stainless steel Other emission proof drum adapters see page 84 Nozzle stainless steel, G 1 1/4 Gas sealing hose: PVC hose DN 9 Alternatively for flammable liquids: Solvent hose DN 9 Emission proof hose (serving to return with sealless pump tubes arising gases back into the container)</p>	<p>0204-201</p> <p>0204-253</p> <p>0204-370</p> <p>0373-153</p> <p>0374-415</p> <p>0204-272</p>
	<p>Application with pump tube SS 41 and automatic nozzle Alu</p> <p>In conjunction with an automatic nozzle, the flow rate is cut off automatically when the maximum level is reached.</p> <p>Gas sealing kit for nozzle</p> <p>comprises of: Conical sealing plug, check valve for gas displacement pipe, screw-in nipple with wing nut and connection piece, hose clamps</p> <p>Shown in addition here: Emission proof drum adapter stainless steel Other emission proof adapters see page 84 Automatic nozzle in aluminium DN 25, seal PTFE Discharge pipe cpl. for automatic nozzle Alu (necessary when using a valve pad) Gas sealing hose: PVC hose DN 9 Alternatively for flammable liquids: Solvent hose DN 9 Emission proof hose (serving to return with sealless pump tubes arising gases back into the container)</p>	<p>0204-201</p> <p>0204-253</p> <p>0372-245</p> <p>0204-274</p> <p>0373-153</p> <p>0374-415</p> <p>0204-272</p>

EMIGA: emission proof drum adapters with gas displacement system, drum adapters, installation flanges

Specification	Order-No.	Product detail
<p>Application with pump tube PP 41 und nozzle PP Prevents emissions when handling severely oxidising or fuming acids and alkalis.</p> <p>Gas sealing kit for nozzle comprises of: Conical sealing plug, check valve for gas displacement pipe, pipe fitting</p> <p>Shown in addition here: Emission proof drum adapter PP Nozzle PP/FPM (FPM) G 1 1/4 Nozzle outlet spout PP Gas sealing hose: PVC hose DN 9</p> <p>Additional costs: Emission proof hose with connection flange PVDF* (serving to return with sealless pump tubes arising gases back into the container)</p>	<p>0204-510</p> <p>0204-250</p> <p>0204-380</p> <p>0204-297</p> <p>0373-153</p> <p>0204-511</p>	
<p>10 Drum adapter in PP Drum adapter for continuous pump tube diameters. For fixing the pump in the drum opening. Outer thread G 2</p>	0208-007	
<p>10 Drum adapter in ST 37 Separable drum adapter for pump tubes with enlarged pump foot. For fixing the pump in the drum opening. Thread G 2 and M 64 x 4</p>	0204-215	
<p>10 Drum adapter in steel, galvanized For fixing the pump in the drum opening. Outer thread G 2 For mixing pump tube PP</p>	0208-013	
<p>10 Drum adapter PE (electrically conductive) For fixing the pump in the drum opening. Outer thread G 2 Outer thread BCS 56 x 4 Outer thread BCS 70 x 6</p>	<p>0208-055</p> <p>0208-052</p> <p>0208-054</p>	
<p>11 Installation flange 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.</p> <p>Material: For pump tube:</p> <p>PP ø 41 mm</p> <p>PVDF ø 41 mm</p> <p>Alu ø 41 mm</p> <p>SS ø 41 mm</p>	<p>0110-191</p> <p>0122-001</p> <p>0132-120</p> <p>0151-622</p>	

*in connection with a new pump tube

Accessories

Foot strainers, pump security rack, discharge spouts, wall bracket, clamping device, oval gear flow meter

Product detail	Specification	Order-No.																												
	<p>12 Foot strainer Available in PP, PVDF and stainless steel, for mounting on the pump foot. Keeps impurities away from the rotating parts.</p> <table border="0"> <tr> <td>Material:</td> <td>For pump tube:</td> <td></td> </tr> <tr> <td>PP</td> <td>PP Ø 41 mm</td> <td>0343-177</td> </tr> <tr> <td>PVDF</td> <td>PVDF and Alu Ø 41 mm</td> <td>0343-187</td> </tr> <tr> <td>Stainless steel</td> <td>SS Ø 41 mm</td> <td>0204-617 ●</td> </tr> </table>	Material:	For pump tube:		PP	PP Ø 41 mm	0343-177	PVDF	PVDF and Alu Ø 41 mm	0343-187	Stainless steel	SS Ø 41 mm	0204-617 ●																	
Material:	For pump tube:																													
PP	PP Ø 41 mm	0343-177																												
PVDF	PVDF and Alu Ø 41 mm	0343-187																												
Stainless steel	SS Ø 41 mm	0204-617 ●																												
	<p>Pump security rack For pump tubes up to Ø 50 mm</p>	<p>0204-093</p>																												
	<p>13 Discharge spout Serving to transfer and fill liquids directly into other vessels. They are available in PP, alu and stainless steel and are threaded onto the pump outlet connection.</p> <table border="0"> <tr> <td>Material:</td> <td>Nominal diameter:</td> <td>Wing nut:</td> <td></td> </tr> <tr> <td>PP</td> <td>DN 19 (3/4")</td> <td>G 1 1/4</td> <td>0204-200</td> </tr> <tr> <td>Alu</td> <td>DN 25 (1")</td> <td>G 1 1/4</td> <td>0204-373</td> </tr> <tr> <td>SS</td> <td>DN 25 (1")</td> <td>G 1 1/4</td> <td>0204-225 ●</td> </tr> </table>	Material:	Nominal diameter:	Wing nut:		PP	DN 19 (3/4")	G 1 1/4	0204-200	Alu	DN 25 (1")	G 1 1/4	0204-373	SS	DN 25 (1")	G 1 1/4	0204-225 ●													
Material:	Nominal diameter:	Wing nut:																												
PP	DN 19 (3/4")	G 1 1/4	0204-200																											
Alu	DN 25 (1")	G 1 1/4	0204-373																											
SS	DN 25 (1")	G 1 1/4	0204-225 ●																											
	<p>14 Wall bracket For storage of drum pumps. This facility helps protect pumps from damage, and maintains their value.</p> <p>For pump tubes with hand wheel Not suitable for pump tube RE-PP</p>	<p>0204-308</p>																												
	<p>15 Clamping device To fasten the drum pumps in open-topped drums and containers. Suitable for different pump tube diameters.</p> <p>For pump tubes: PP, PVDF, Alu, SS and HC</p>	<p>0205-040 ●</p>																												
	<p>16 Oval gear flow meter MDO 2 For efficient flow measurement of mineral oils and alternative fuels. Easy handling, compact construction and quick assembly onto the pump.</p> <table border="0"> <tr> <td>Housing:</td> <td>Aluminium</td> <td>Range of temperature:</td> <td>-10 up to 80 °C</td> </tr> <tr> <td>Oval gears:</td> <td>LCP</td> <td>Display:</td> <td>2-lines, 6- and 5-digits</td> </tr> <tr> <td>Seal:</td> <td>FPM</td> <td>Protection class:</td> <td>IP 67</td> </tr> <tr> <td>Nominal pressure:</td> <td>4 bar</td> <td>Battery:</td> <td>Lithium, CR123A, 3V</td> </tr> <tr> <td>Range of measurement:</td> <td>3 - 80 l/min.</td> <td>Weight approx.:</td> <td>1.4 kg</td> </tr> <tr> <td>Range of viscosity:</td> <td>1 - 1000 mPas</td> <td>Connection:</td> <td>G 1 1/4"</td> </tr> <tr> <td>Accuracy of measurement:</td> <td>+/- 0.5 %</td> <td></td> <td></td> </tr> </table>	Housing:	Aluminium	Range of temperature:	-10 up to 80 °C	Oval gears:	LCP	Display:	2-lines, 6- and 5-digits	Seal:	FPM	Protection class:	IP 67	Nominal pressure:	4 bar	Battery:	Lithium, CR123A, 3V	Range of measurement:	3 - 80 l/min.	Weight approx.:	1.4 kg	Range of viscosity:	1 - 1000 mPas	Connection:	G 1 1/4"	Accuracy of measurement:	+/- 0.5 %			<p>0211-610</p>
Housing:	Aluminium	Range of temperature:	-10 up to 80 °C																											
Oval gears:	LCP	Display:	2-lines, 6- and 5-digits																											
Seal:	FPM	Protection class:	IP 67																											
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Accuracy of measurement:	+/- 0.5 %																													




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

Electronical flow meters, lifting devices, hoist, electrical accessories

Specification	Order-No.	Product detail
<p>16 Electronical flow meter, TR series</p> <p>For easy and precise flow rate measuring of various liquids. Ease of handling, compact design and ideally to combine with all drum and container pumps (connection G 1 or G 1 1/4), available in polypropylene (PP) or polyvinylidene fluoride (PVDF).</p> <p>For more details see separate flow meter leaflet.</p>		
<p>16 Modular electronical flow meter system, TS series</p> <p>For metering all kinds of liquids. Wide range of applications: Directly at the drum pump, remote or in-line operation possible. Convenient pre-setting of required volume using a touch screen display. Multilingual menus and simple plain-text operation. A comprehensive range of system components offers practical problem solutions.</p> <p>For more details see separate flow meter leaflet.</p>		
<p>19 Lifting device</p> <p>To simplify the process of lifting the pump in and out of drums and containers.</p> <p>For motors MA II and ME II For motors B4/GT</p>	<p>0211-047 0214-196</p>	
<p>34 Hoist</p> <p>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>Connecting cable</p> <p>For extension of the connecting line for universal motors, 2 or 3-wired (three-phase motors 4-wired). According to requirements the cable is available in every necessary length.</p> <p>H05 RN-F, 3 x 1 mm² for motor MA II H07 RN-F, 2 x 2.5 mm² for motor MA II (42 V, 24 V) H07 RN-F, 3 x 1.5 mm² for motor ME II H07 RN-F, 4 x 1.5 mm² for three-phase motors</p>	<p>0466-000 0466-003 0336-074 ● 0336-339 ●</p>	
<p>Cekon-plug</p> <p>5-pole - 16 A For three-phase gear motors B4/GT</p>	<p>0336-415</p>	

Accessories

for explosion proof applications

Product detail	Specification	Order-No.
	<p>20 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>21 Ex-plug 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 motor ME II 3-pole (alternating current) STAHL for motor ME II</p>	<p>0336-536 ● 0336-540 ●</p>
	<p>22 Ex-socket CEE-socket in accordance with EEx de IIC T6, splash proof in compliance with IP 65.</p> <p>3-pole (alternating current) for motor ME II 3-pole (alternating current) STAHL for motor ME II</p>	<p>0336-531 ● 0336-542 ●</p>

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