

WITH MECHANICAL SEAL  
AND SEALLESS



# DRUM PUMPS STAINLESS STEEL

IF NO CONTAMINATION AND PRODUCT CARRYOVER IS ALLOWED



FOOD



BEVERAGE



PHARMACEUTICAL



COSMETICS

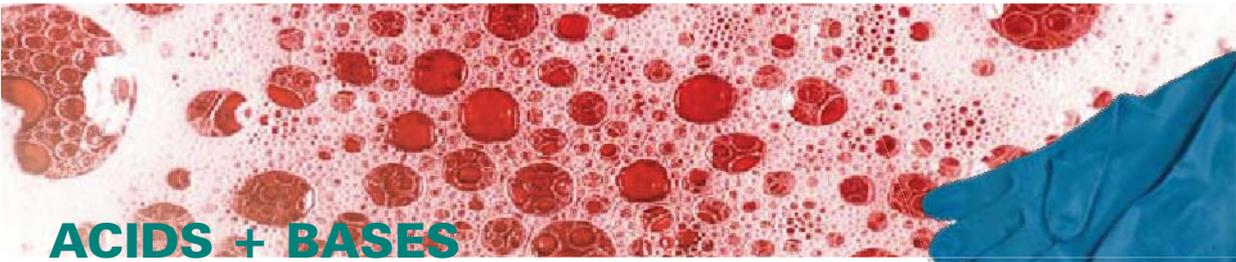
# Drum pumps stainless steel with mechanical seal (MS) and sealless (SL)

## DRUM PUMPS STAINLESS STEEL

IF EASY CLEANING, DURABILITY AND EXPLOSION-PROOF ARE REQUIRED



**PAINTS + COATINGS**



**ACIDS + BASES**



**SOLVENTS**



**SPECIAL APPLICATIONS, PLANT ENGINEERING**



# Our new pumps!

**The quickest way to get to know us is to contact us directly. Save your precious time. Contact us and we will do the rest for you. Consulting service, product selection, project planning assistance and quote – fast and all free of charge.**

## Advantages

more ...

- practical
- variable
- complete
- hygienic
- solid
- robust
- imaginative
- fit for use
- modular
- individual

## Sealed and sealless pumps types have grown closer to one another

The SD (Simple Disassembly) series is sealed with a mechanical seal (MS). In the SL series (sealless) there is an inner tube in the pump tube. The leakage unit depressurises the inner tube. The drive shaft is running within the inner tube. With no pressure difference between the inner tube and the outside ambient air no liquid can leave the pump, where the drive shaft comes out from the pump head. The pump is therefore always without leakage at the pump head.

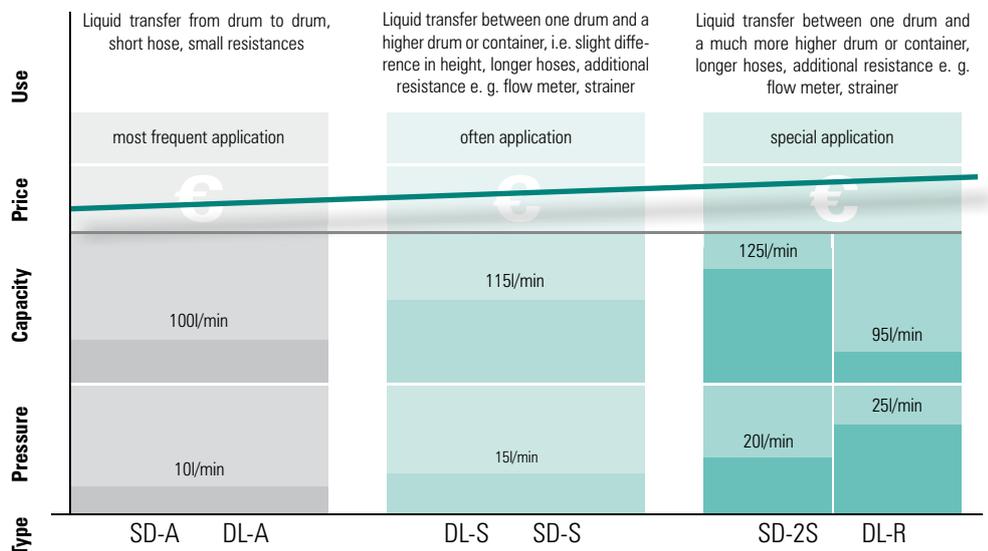


**In this booklet you will learn a lot about grün-drum pumps. We are sure you will experience proof of our commitments and product statements when using our equipment.**

**Online you can learn interesting facts about 'grün-business-philosophy' in a three minute audio slideshow.**

**Worth seeing.**

## The right pump for your application



## drum pumps stainless steel with features for the top position

# DRUM PUMPS STAINLESS STEEL

	SD-SS-	A	S	DL-SS-
<b>important for your application</b>				
large capacity		X		
high pressure			X	
viscosity up to 1.500 mPas (pd500)			X	
hydraulic tuning			X	
many different liquids				X
mixing function				
simple disassembly (SD)	X			
easy to clean	X			X
explosion proof				
continous work with induction motor			X	
<b>tube length</b>	container size	ord.-no.		
700 mm	hobcock 30l	631-0001	631-0006	
1000 mm	drum up to 220 l	631-0002	631-0007	
1200 mm	IBC up to 1000 l	631-0003	631-0008	
> 1200 mm	special container	on demand	on demand	
<b>electrical motors without explosion proof</b>				
<b>p310</b> optimised in price	preferred combination	X		
<b>p400</b> the ideal drive	improved hydr. performance	X	X	
<b>pd500</b> silent worker	smooth product treatment		X	
<b>electrical motors with explosion proof</b>				
<b>EX700</b> for hazardous locations	safety by power	X	X	
<b>pd500</b> Ex	smooth product treatment		X	
<b>compressed air motor for all applications</b>				
<b>d600</b> for hazardous locations	the power drive	X	X	



# Drive motors, select the best drive for every

## p310 optimised in price

## p400 the ideal drive



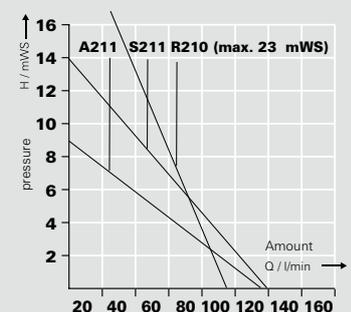
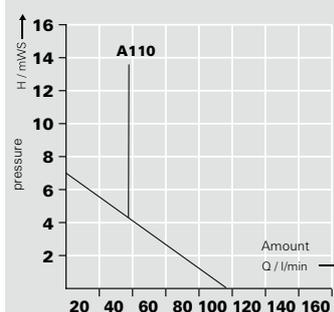
properties	short and occasional use, it likes light and thin liquids, internal cooling		big resources in power and durability, works quickly and saves time, internal cooling	
options	low voltage release (LVR) recommended according to EU-directives, speed reducer (SR) varies pressure and capacity		low voltage release (LVR) recommended according to EU-directives, speed reducer (SR) varies pressure and capacity, IP54 with TEFC (MA)	
data				
power (W)	520		850	
voltage (V)	230	120	230	120
protection	IP24		IP24 / IP54	IP24
LVR*	optional		optional	
SR**	optional		optional	
weight (kg)	3,5		4	
	type of impeller s. p. 4/5		Förderelement s.S. 4/5	
max. spec. gravity (kg/l)	A	1,4	A / R / S	2 / 1,8 / 1,5
max. viscosity (mPas)	250		A / R / S	800 / 600 / 500

	ord.-no		ord.-no	
with LVR*	500-0016	500-0028	500-0023	500-0025
with SR** and LVR	500-0074	500-0060	500-0069	500-0066
without LVR	500-0017	500-0029	500-0024	500-0026
without LVR with SR	500-0054	500-0057	500-0056	500-0063
magnetic clutch , LVR	500-0030	500-0032	500-0034	500-0036
magnetic clutch , LVR, SR	500-0061	500-0062	500-0067	500-0068
TEFC (MA) IP54			500-0072	

### characteristics

\* low voltage release  
\*\* speed reducer

recommended types



# application

## Ex700

safety through power in hazardous locations



big resources in power and durability, certified for the most liquids, external cooling (TEFC)

without LVR available for special applications

## pd500

the silent marathon worker



robust, without wear, powerful for viscous liquids, smooth product treatment with feed screw (S) 2800 rpm

single phase induction motor 230 V, three phase 230/400 V, explosion proof 3- phase 230/400 V, overload protection switch

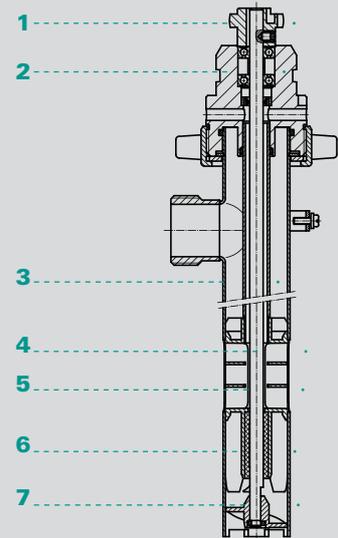
## d600

the power drive for all locations



for heavy duty applications, economical air consumption, certified for hazardous locations, variable speed, starting knob fixable, lightweight

- |                  |        |
|------------------|--------|
| 1. coupling      | PA     |
| 2. pump head     | SS     |
| 3. pump tube     | SS     |
| 4. Drive shaft   | SS     |
| 5. inner tube    | SS     |
| 6. slide bearing | Carbon |
| 7. Impeller      | ETFE   |



700	
230	
IP54	
EU-directive	
-	
6	
type of impeller s. p. 4/5	
A / R / S	1,8 / 1,6 / 1,4
	600 / 500 / 400

370 und 550	
230	400
IP54	
optional	
with frequency inverter (FI)	
5	5
type of impeller s. p. 4/5	
S: 2	S: 2,5
S: 1500	S: 1800

600	
compressed air	3-7 (bar)
air consumption	10 (l/s)
standard	
weight (kg)	2
type of impeller s. p. 4/5	
A / R / S	2 / 2 / 2
A / R / S	800 / 800 / 800

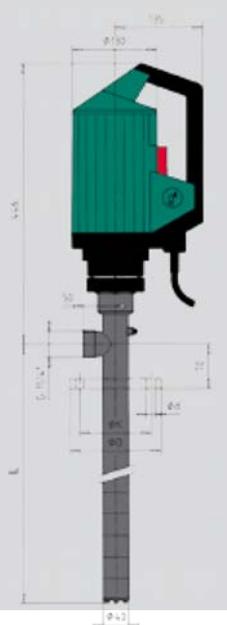
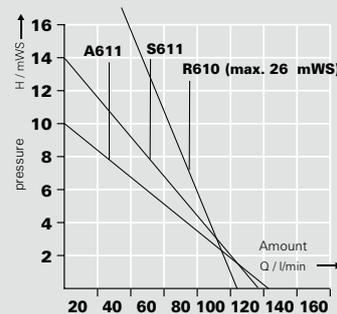
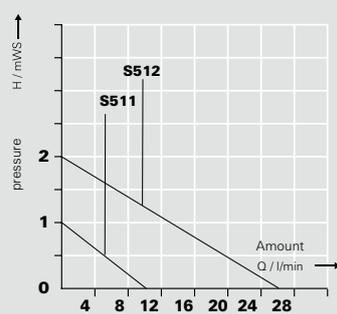
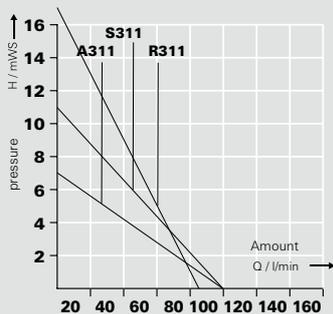
ord.-no  
510-0010

510-0012

ord.-no  
pd500-1-0,37-230 500-0042  
pd500-3-0,37 230/400 500-0039  
pd500-FU-0,55 kW 500-0043  
pd500 Ex-0,37 230/400 510-0009



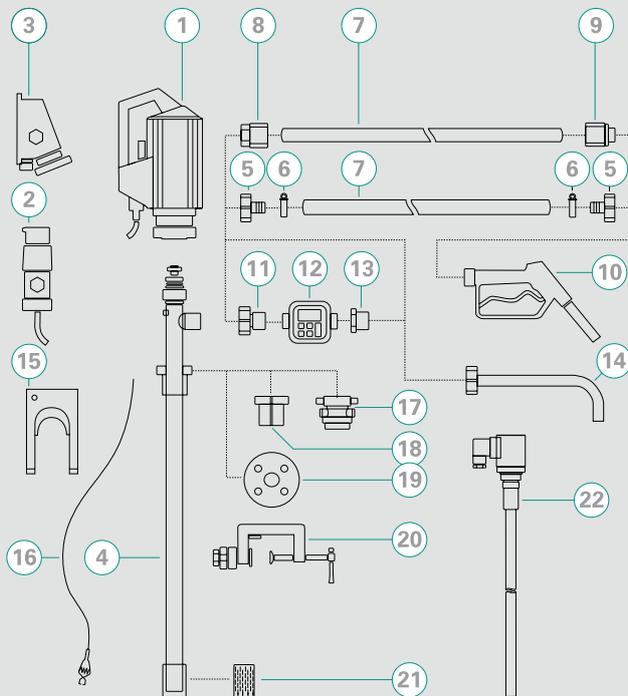
ord.-no  
520-0016



Other pumps in separate catalogue.



# ACCESSORIES



- 1 Drive motor
- 2 Explosion-proof plug
- 3 Explosion-proof socket
- 4 Pump tube
- 5 Hose connector
- 6 Hose clamps
- 7 Hose
- 8 Hose fittings
- 9 Hose fittings
- 10 Nozzle
- 11 Flow meter connection
- 12 Flow meter
- 13 Reducing piece
- 14 Discharge spout
- 15 Wall bracket
- 16 Equipotential bonding cable
- 17 Emission proof drum adapter
- 18 Drum adapter
- 19 Installation flange
- 20 Clamping device
- 21 Foot strainer
- 22 Level switch

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