WITH MECHANICAL SEAL

AND SEALLESS

DRUM PUMPS STAINLESS STEEL

IF NO CONTAMINATION AND PRODUCT CARRYOVER IS ALLOWED

FOOD

BEVERAGE

PHARMACEUTICAL

COSMETICS

grün-pumpen

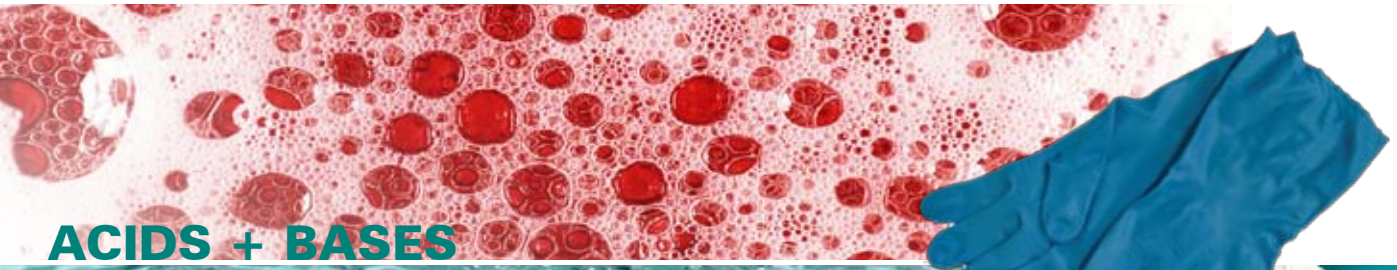
take out, what's in.

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

DRUM PUMPS STAINLESS STEEL

IF EASY CLEANING, DURABILITY AND EXPLOSION-PROOF ARE REQUIRED

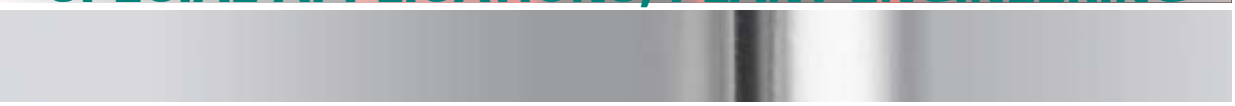
PAINTS + COATINGS



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.

Tel. +49 93 42 / 9 35 16-0
info@gruen-pumpen.de

Advantages

more ...

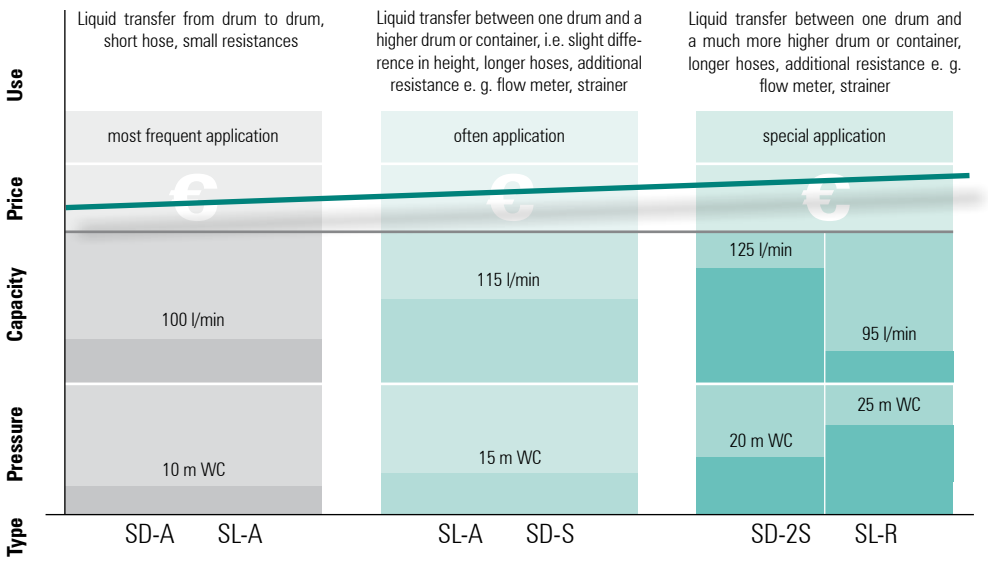
- **practical**
- **variable**
- **complete**
- **hygienic**
- **solid**
- **robust**
- **imaginative**
- **fit for use**
- **modular**
- **individual**

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 leckage 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 leckage 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 slide-show.
Worth seeing.
www.gruen-pumpen.de

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-
important for your application				
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	ATEX			ATEX
continous work with induction motor			X	

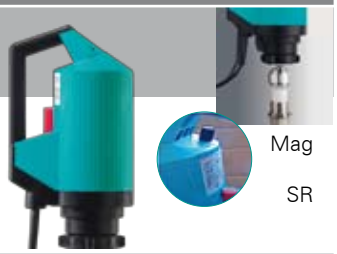
tube length	container size	ord.-no.	
700 mm	hobbock 30l	631-0001	631-0006
1000 mm	drum up to 220 l	631-0002	631-0007
1200 mm	IBC up to 1000 l	631-0003	631-0008
> 1200 mm	special container	on demand	on demand

electrical motors without explosion proof			
p310 optimised in price	preferred combination	X	
p400 the ideal drive	improved hydr. performance	X	X
pd500 silent worker	smooth product treatment		X
electrical motors with explosion proof			
EX700 for hazardous locations	safety by power	X	X
pd500 Ex	smooth product treatment		X
compressed air motor for all applications			
d600 for hazardous locations	the power drive	X	X

A	R	S	MP-DL-SS-	A	R	S	Mag-SS-	A	R
X				X				X	
	X	X			X	X			X
		X				X			
	X	X			X				
			X						
			X				hermetically sealed		
			X						
			AtEx				no		
		X				X			
	ord.-no.				ord.-no.			ord.-no.	
691-0001	696-0001	691-0006		691-0011	696-0011	691-0016		630-0004	635-0004
691-0002	696-0002	691-0007		691-0012	696-0012	691-0017		630-0005	635-0005
691-0003	696-0003	691-0008		691-0013	696-0013	691-0018		630-0006	635-0006
on demand	on demand	on demand		on demand	on demand	on demand		on demand	on demand
X				X				X	X
X	X	X		X	X	X		X	X
		X				X			
X	X	X		X	X	X			
		X				X			
X	X	X		X	X	X			

recommended types

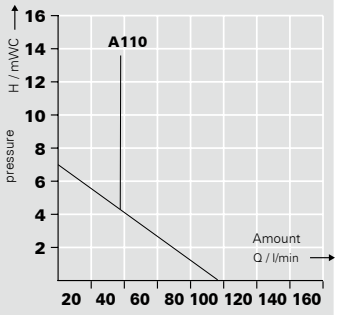
Drive motors,
select the best drive for every

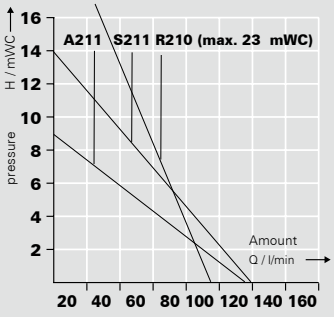
	p310 optimised in price	p400 the ideal drive
	 Mag SR	Mag SR
properties	short and occasional use, it likes light and thin liquids, internal cooling	big resources in power and durability, works quickly and saves time, internal cooling
options	low voltage release (LVR) recommended according to EU-directives, 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

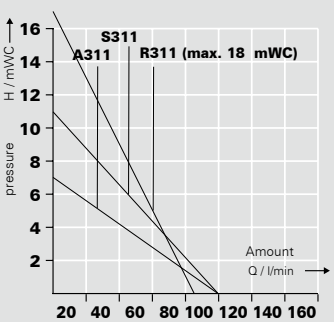
Ex700
safety through power in hazardous locations

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

without LVR available for special applications

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

ord.-no	
510-0010	
510-0012	



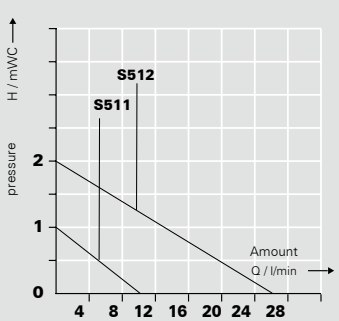
pd500
the silent marathon worker

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

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	

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

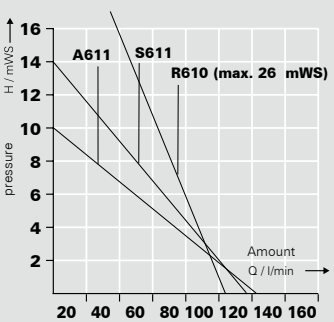


d600
the power drive for all locations

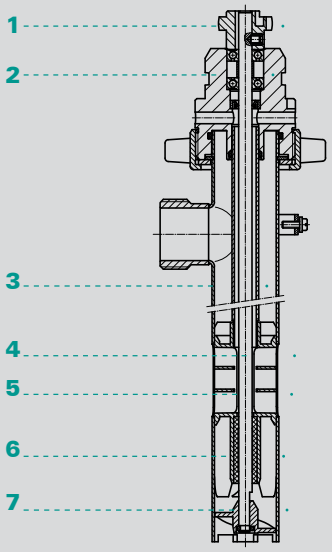
for heavy duty applications, economical air consumption, certified for hazardous locations, variable speed, starting knob fixable, lightweight

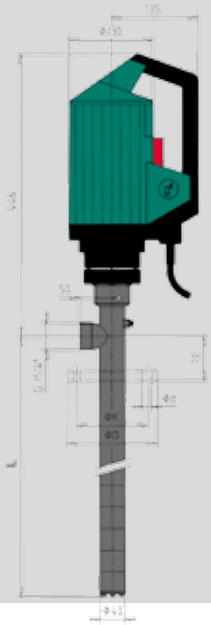
600	
compressed air	3-7 (bar)
air consumption	10 (l/s)
standard	
weight (kg)	2
type of impeller s. p. 4/5	
A / R / S	2 / 2 / 2
A / R / S	800 / 800 / 800

ord.-no
520-0016



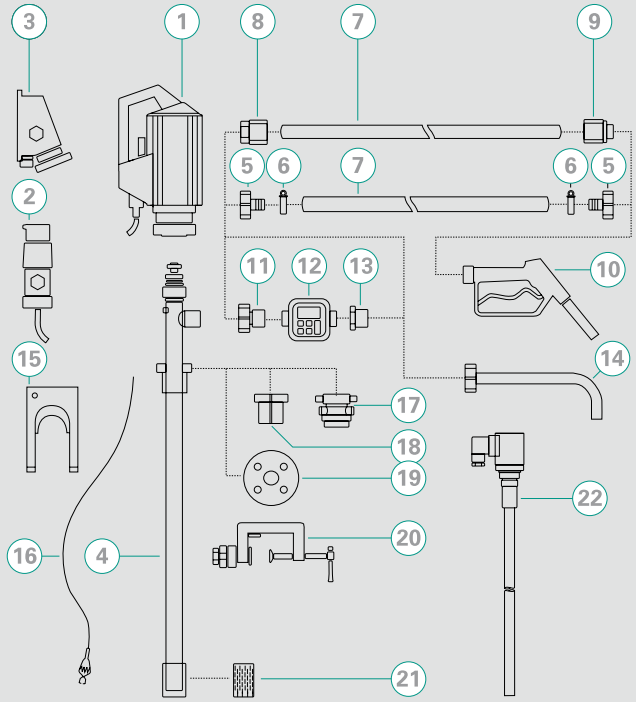
1.	coupling	PA
2.	pump head	SS
3.	pump tube	SS
4.	Drive shaft	SS
5.	inner tube	SS
6	slide bearing	Carbon
7.	Impeller	ETFE





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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take out, what's in.

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