

WITH MECHANICAL SEAL
AND SEALLESS



DRUM PUMPS STAINLESS STEEL

IF NO CONTAMINATION AND PRODUCT
CARRYOVER IS ALLOWED



FOOD



BEVERAGE



PHARMACEUTICAL



COSMETICS

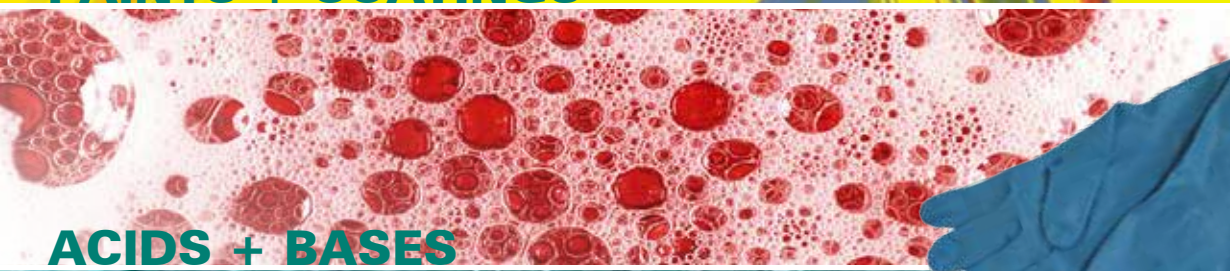
Drum pumps stainless steel with mechanical seal (MS) and sealless (SL)

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.

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



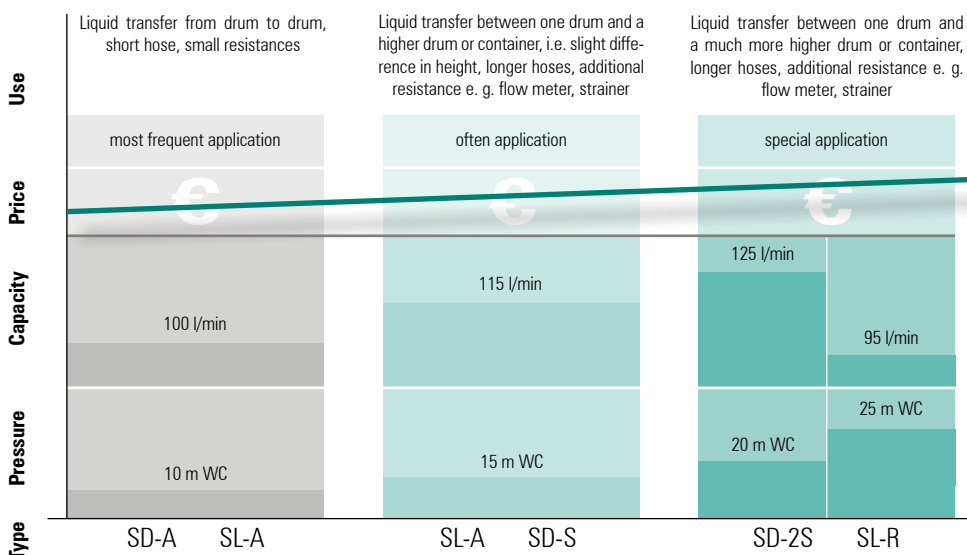
**In this booklet you will learn a lot
about grün-drum pumps. We are
sure you will experience proof of
our commitments and product
statements when using our equip-
ment.**

**Online you can learn interesting
facts about 'grün-business-philoso-
phy' in a three minute audio slide-
show.**

Worth seeing.

www.gruen-pumpen.de

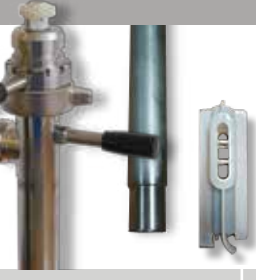
The right pump for your application



drum pumps stainless steel with features for the top position



DRUM PUMPS STAINLESS STEEL

	SD-SS-	A	S	DL-SS-	A	R	S	MP-DL-SS-	A	R	S	Mag-SS-	A	R
important for your application														
large capacity		X			X				X				X	
high pressure			X			X	X			X	X			X
viscosity up to 1.500 mPas (pd500)			X				X				X			
hydraulic tuning			X			X	X			X				
many different liquids				X				X						
mixing function								X				hermetically sealed		
simple disassembly (SD)	X													
easy to clean	X			X				X						
explosion proof	AtEx			AtEx				AtEx				no		
continuous work with induction motor			X				X				X			
tube length	container size	ord.-no.				ord.-no.				ord.-no.			ord.-no.	
700 mm	hobcock 30l	631-0001	631-0006		691-0001	696-0001	691-0006		691-0011	696-0011	691-0016		631-0021	636-0021
1000 mm	drum up to 220 l	631-0002	631-0007		691-0002	696-0002	691-0007		691-0012	696-0012	691-0017		631-0022	636-0021
1200 mm	IBC up to 1000 l	631-0003	631-0008		691-0003	696-0003	691-0008		691-0013	696-0013	691-0018		631-0023	636-0021
> 1200 mm	special container	on demand	on demand		on demand	on demand	on demand		on demand	on demand	on demand		on demand	on demand
electrical motors without explosion proof														
p310 optimised in price	preferred combination	X			X				X				X	X
p400 the ideal drive	improved hydr. performance	X	X		X	X	X		X	X	X		X	X
pd500 silent worker	smooth product treatment		X				X				X			
electrical motors with explosion proof														
EX700 for hazardous locations	safety by power	X	X		X	X	X		X	X	X			
pd500 Ex	smooth product treatment		X				X				X			
compressed air motor for all applications														
d600 for hazardous locations	the power drive	X	X		X	X	X		X	X	X			

Drive motors,
select the best drive for every application

p310
optimised in price



p400
the ideal drive



Ex700
safety through power in hazardous locations



pd500
the silent marathon worker



d600
the power drive for all locations



properties

short and occasional use,
it likes light and thin liquids,
internal cooling

options

low voltage release (LVR)
recommended according to
EU-directives, speed re-
ducer (SR) varies pressure
and capacity

data

power (W)	520	
voltage (V)	230	120
protection	IP24	
LVR*	optional	
SR**	optional	
weight (kg)	3,5	
	type of impeller s. p. 4/5	
max. spec. gravity (kg/l)	A	1,4
max. viscosity (mPas)	250	

big resources in power
and durability,
works quickly and saves time,
internal cooling

low voltage release (LVR)
recommended according to
EU-directives, speed reducer (SR)
varies pressure and capacity,
IP54 with TEFC (MA)

850	
230	120
IP24 / IP54	IP24
optional	
optional	
4	
Förderelement s.S. 4/5	
A / R / S	2 / 1,8 / 1,5
A / R / S	800 / 600 / 500

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

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

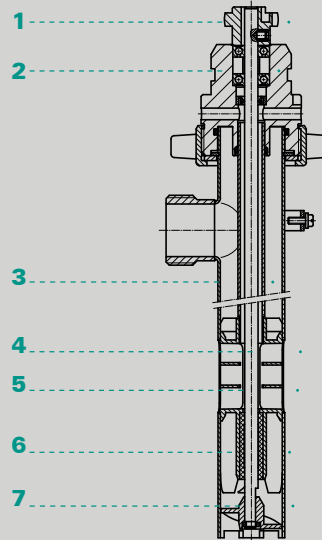
single phase induction motor
230 V, three phase 230/400 V,
explosion proof 3- phase
230/400 V, overload protection
switch

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

for heavy duty applications, econo-
mical 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

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



with LVR*	500-0016	500-0028
with SR** and LVR	500-0074	500-0060
without LVR	500-0017	500-0029
without LVR with SR	500-0054	500-0057
magnetic clutch , LVR	500-0030	500-0032
magnetic clutch , LVR, SR	500-0061	500-0062
TEFC (MA) IP54		

ord.-no	
500-0016	500-0028
500-0074	500-0060
500-0017	500-0029
500-0054	500-0057
500-0030	500-0032
500-0061	500-0062

ord.-no	
500-0023	500-0025
500-0069	500-0066
500-0024	500-0026
500-0056	500-0063
500-0034	500-0036
500-0067	500-0068
500-0072	

ord.-no	
510-0010	
510-0012	

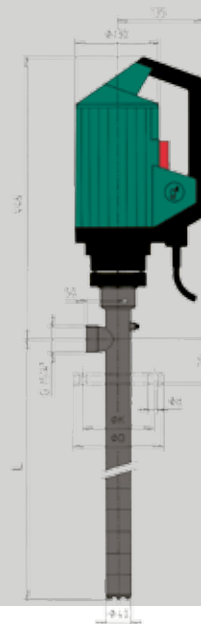
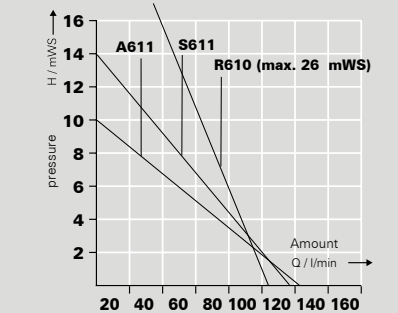
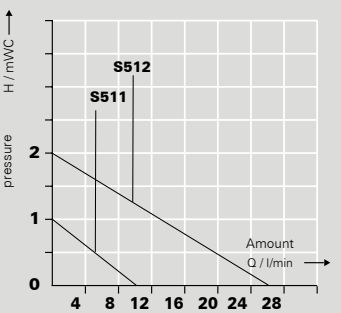
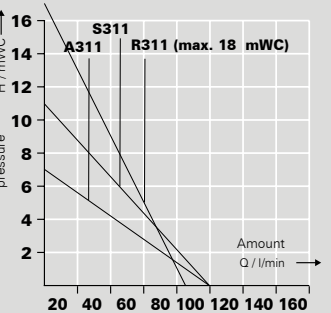
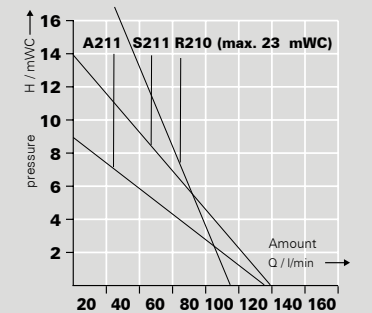
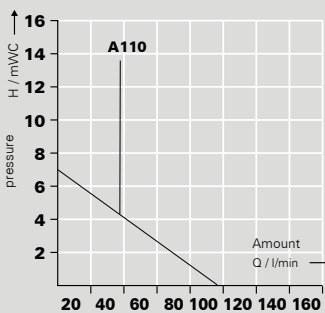
ord.-no	
pd500-1-0,37-230	500-0042
pd500-3-0,37 230/400	500-0039
pd500-FU-0,55 kW	500-0043
pd500 Ex-0,37 230/400	510-0009

ord.-no	
520-0016	

characteristics

* low voltage release
** speed reducer

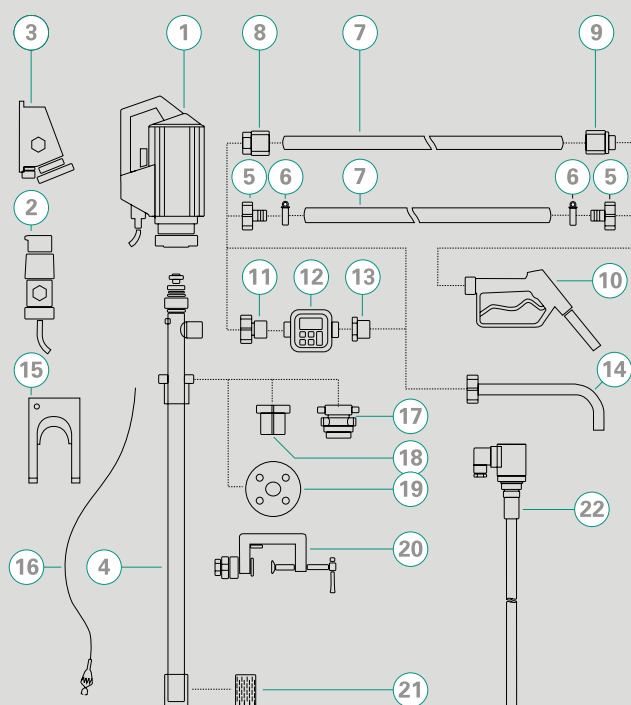
recommended types



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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g[®]
grün-pumpen
 take out, what's in.