

WITH MECHANICAL SEAL
AND SEALLESS

fine thing



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



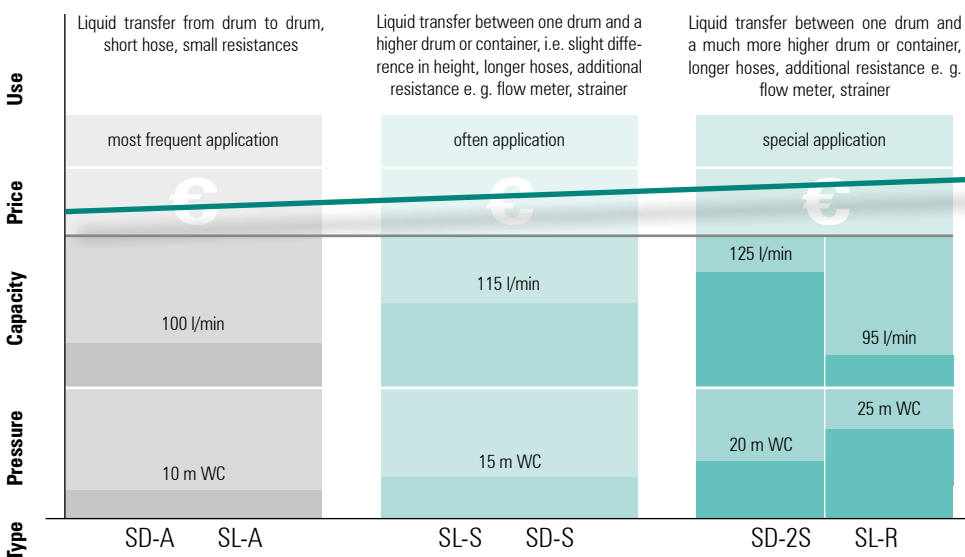
In this booklet you will learn a lot about grün-drum pumps. We are sure you will experience proof of our commitments and product statements when using our equipment.

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

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

| | Simple Disassembly SD-SS- | A | S | Sealles SL-SS- |
|--|---|--|---|---|
| |  |  |  |  |
| What is 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 |  | | |  |
| continous work with induction motor | | | X | |
| tube length | 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 | |
| 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 | |



| Misering Pump Sealless MP-SL-SS- | | | Magnetic Drive Mag-SS- | | | | | |
|----------------------------------|---|---|------------------------|---|---|---------------------|---|--|
| A | R | S | A | R | S | A | R | |
| | | | | | | | | |
| X | | | | X | | | X | |
| | X | X | | | X | | | |
| | | X | | | X | | | |
| | X | X | | X | | | | |
| | | | X | | | hermetically sealed | | |
| | | | X | | | | | |
| | | | X | | | no | | |
| | | X | | | X | | | |

| | ord.-no. | | | ord.-no. | | | ord.-no. | |
|-----------|-----------|-----------|--|-----------|-----------|-----------|-----------|-----------|
| 691-0001 | 696-0001 | 691-0006 | | 691-0011 | 696-0011 | 691-0016 | 631-0021 | 636-0021 |
| 691-0002 | 696-0002 | 691-0007 | | 691-0012 | 696-0012 | 691-0017 | 631-0022 | 636-0021 |
| 691-0003 | 696-0003 | 691-0008 | | 691-0013 | 696-0013 | 691-0018 | 631-0023 | 636-0021 |
| 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 | | |

Drive motors, select the best drive for every

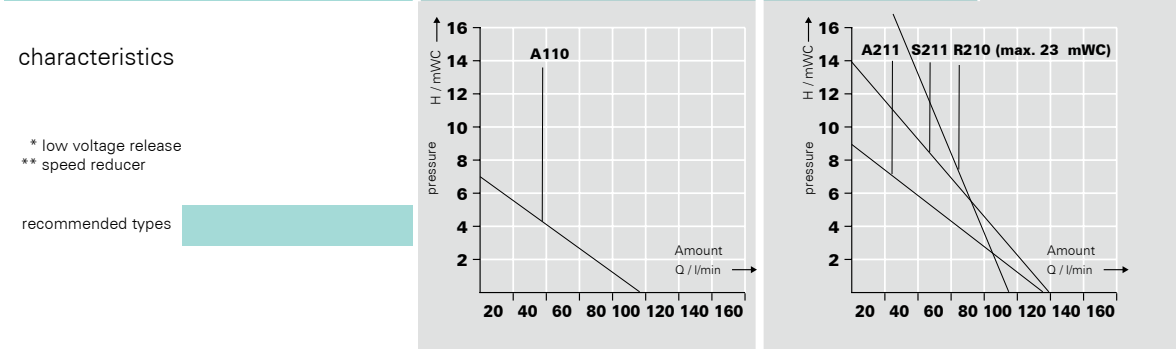
p310 optimised in price

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 redu- cer (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 | |
| voltage (V) | 230 | 120 |
| protection class | 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 | |

| | 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 | |



application

Ex700

safety through power in hazardous locations



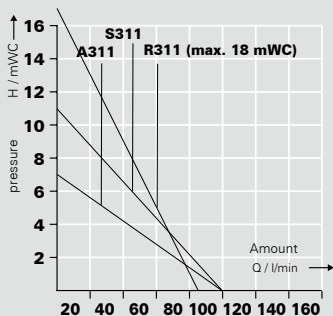
big resources in power and durability, certified for the most liquids, external cooling (TEFC)

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



New connection technology: metal replaces plastic, robust for use in harsh environments

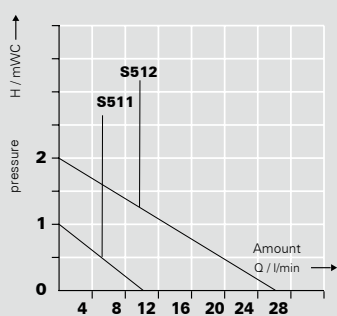
robust, without wear, powerful for viscous liquids, smooth product treatment with feed screw (S) 2800 rpm

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 | |
| frequency inverter ord.-no. 760-0198 | |
| 5 | 5 |
| type of impeller s. p. 4/5 | |
| S: 2 | S: 2,5 |
| S: 1500 | S: 1800 |

ord.-no
pd500-1-0,55-230 500-0044
pd500-3-0,37 230/400 500-0039
pd500-FU-0,55 kW 500-0043
pd500 Ex-0,37 230/400 510-0009

AtEx



d600

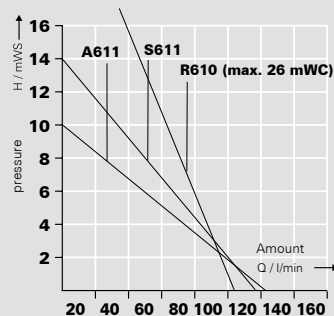
the power drive for all locations



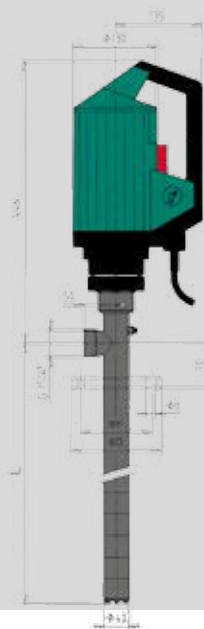
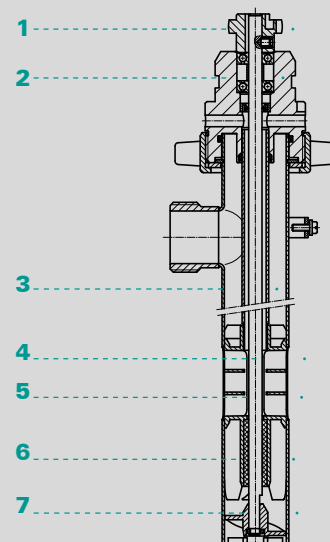
for heavy duty applications, economical air consumption, certified for hazardous locations, starting knob fixable, lightweight

| | |
|----------------------------|-----------------|
| 600 | |
| compressed air | 3-7 (bar) |
| air consumption | 15 (l/s) |
| - | |
| weight (kg) | 2 |
| type of impeller s. p. 4/5 | |
| A / R / S | 2 / 2 / 2 |
| A / R / S | 800 / 800 / 800 |

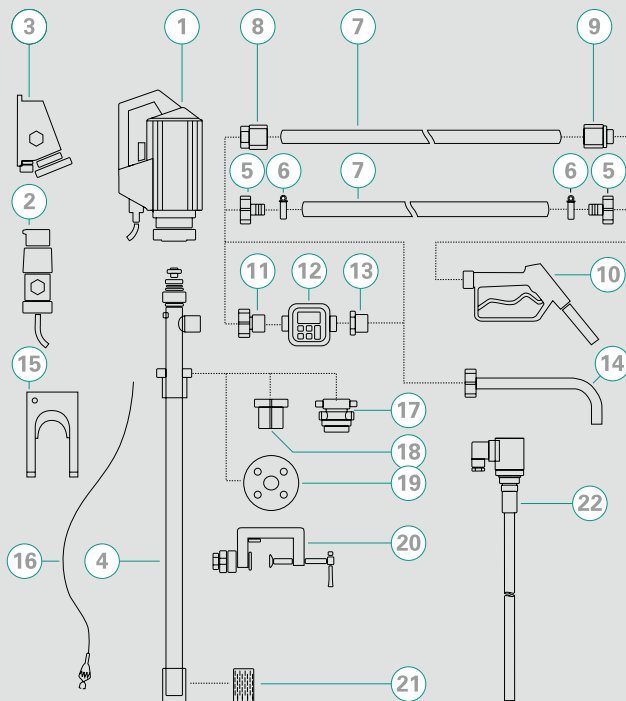
ord.-no
520-0016



- coupling PA
- pump head SS
- pump tube SS
- Drive shaft SS
- inner tube SS
- slide bearing Carbon
- Impeller ETFE



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

Distributor:

grün-pumpen gmbh
Otto-Schott Str. 19
D-97877 Wertheim
Phone +49 93 42 9 35 16-0
Fax +49 93 42 9 35 16-29
info@gruen-pumpen.de
www.gruen-pumpen.de

Handelsregister:
Reg. Gericht Mannheim
HRB 570326
Sitz der Gesellschaft:
Wertheim
Geschäftsführer:
Ralph Dostmann, Dr. Thomas Sigel
USt.IdNr. DE 160765854

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