

## Suction Line SDL

For barrels and containers



**EN**

<sup>02</sup>

## Supplement

To be held for future reference.

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## 1. General

With suction lines of the type SDL chemical fluids safely can take out of barrels and containers.

## 2. Draft

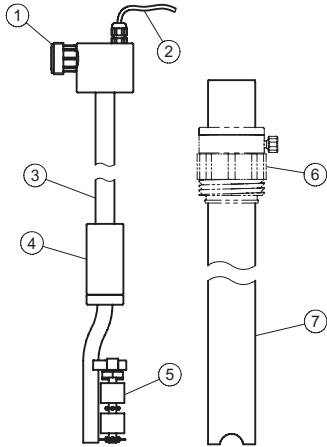


Fig. 2.1.: Schema suction line SDL

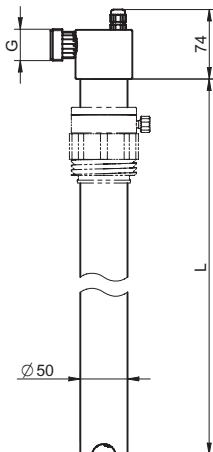


Fig. 2.2.: Draft suction line SDL

### 3. Technical Data

Suction line SDL		
①	Suction connection	thread G1 A
②	Cable	5 m, 3 wire, PVC
③	Suction tube	DN15
④	Non-return valve	DN15
⑤	Float switch	2 float switch für empty status signal und pre-alarm
⑥	Tank connection (optional)	G2, or optional thread 2" Mauser
⑦	Protection pipe	o.d. 50 mm
	Length suction tube (L)	1000, 1200 or 1400 mm (other lengths on request)
	Gluten	Tangit, optional DYTEX
	Material	PVC
	Seals	EPDM and FPM attached, according to requirements

Tab. 3.1: Technical data suction line SDL

Float switch	
Switching voltage	48V
Switching current	0,5 A
Switching capacity	10W/VA
Protection class	IP 67
Temperature range	-25°C ... +60°C
Material	PP

Tab 3.2: Technical data float switch

### 4. Application

Before using the equipment for the first time or after changing the fluid expell the air from the unit by repeated rapid movements upwards and downwards.

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## 5. Function

### 5.1 Connection

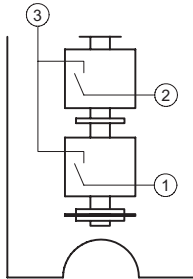


Fig. 5.1: cable configuration: ① main alarm (blue), ② pre-alarm (brown) and ③ 0/Ground (black)

### 5.2. Switch function of float switch

By moving the swimmer up the reedcontact is closing.

### 5.3. Type of contact of float switch

The contact type of the suction line SDL is „falling opened“. This means that the contact is made with an increasing level. (Full container = closed, empty container = opened).

### 5.4. Reversing the contact type of the float switch

It is possible to reverse the contact type:

1. Remove retainer rings and the distance washer
2. Deinstall both float switches
3. Turn around and reinstall the float switches
4. Fix retainer rings and the distance washer

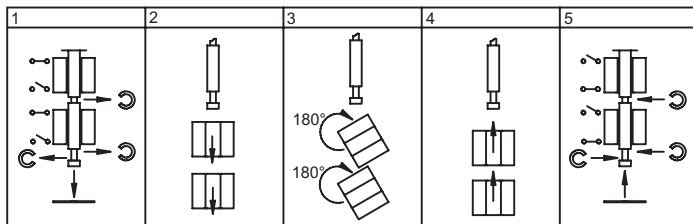


Fig. 5.2: Float switch reversing type of contact

## 6. Article Numbers

### Variants

Article No.	Type	Length (mm)	Seals	Suction connection	Tank connection
12200260	SDL-2	1000	FPM / EPDM	G1 A	- (optional)
12200269	SDL-2	1200	FPM / EPDM	G1 A	- (optional)
12200270	SDL-2	1400	FPM / EPDM	G1 A	- (optional)

NOTE: All suction lines are delivered with 2 seals, in FPM and EPDM material.

### Accessories

Suction connection for thread G1 A		
Article No.	Type	Size
31095	Glued connection	for tube d16
25626	Glued connection	for tube d20
35797	Hose clamp connection	for hose 12/16
24357	Hose liner connection	for hose d12
24941	Hose liner connection	for hose d16

Tank connection			
Article No.	Type	Size	Note
38548	Drum connection	G2 A	For a stepless submersion depth of the suction line
38549	Drum connection	Mauser 2" outside	included Article No. 38548, for a stepless submersion depth of the suction line



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## 8. Warranty

Please copy and send with the device.

If the device breaks down within the period of warranty, please return it in a cleaned condition with the complete warranty application, filled out.

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Sender

Company:..... Phone:..... Date:.....

Address:.....

Contact person: .....

Manufacturer order-no.: ..... Delivery date:.....

Device type:..... Serial no.: .....

Nominal capacity/nominal pressure: .....

Description of fault: .....

.....

.....

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Type of fault:

1. Mechanical fault

- premature wear
- wear parts
- breakage/other damage
- damage in transit

2. Electrical fault

- loose connections such as plug connector or cable
- operating elements (e.g., switches/buttons)
- electronics - corrosion

3. Leaks

- connections
- dosing head

4. No or inadequate function

- defective diaphragm
- other

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Service conditions of the device

Point of use / system designation:.....

Accessories used (Suction line, etc.):.....

.....

.....

Commissioning (date):.....

Duty period (approx. operating hours):.....

Please describe the specifics of the installation and provide a simple diagram with details of the material, diameter, length and levels.



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