

Optimal priming of various media

Suction lines



Optimal priming

Suction lines are a user-friendly, pre-prepared installation aid to connect the suction side of a dosing pump to the medium to be dosed. Their most important functional element is a foot valve, which prevents the sucked volume from flowing back, thus facilitating good working of the dosing pump / enables it to function with a small dosing capacity. A priming filter is available for the protection of valves.

The suction lines are available as a flexible and a fixed version with an adjustable length. They are available with an inbuilt level control for empty pre-warning and protection against dry running. A reed switch serves as a level sensor; which is switched by the magnet of a float. The contact is closed, if the level rises. The empty warning function available for a number of versions switches c. 60 mm over the switch-off point. This enables the timely procurement of dosing material before the container is emptied to the extent that the pump is switched off to protect it against dry running. Based on the identical function, purely level controls are also available.

Special containers with a k-60 lid are available for the suction lines. One version works with a valve-free suction bar and a simple empty status signal; others come equipped with two floats for warning and an empty status signal, a suction rod with foot valve and two return connections for the flow off from the pressure-relief valve. Some have automatic ventilation.

Functions

- Flow capacity 25 – 1000 l/h
- Flexible or fixed version
- Adjustable length
- Available in acid and lye-proof plastics.
- Priming filter
- Level monitoring
- Available for suction lines for containers with a K-60 lid

Technical data

Nominal width	Flow capacity	U max.**	I max.**	P max.**
DN4	up to 25 l/h	50 V DC; 50 V AC	0.5 A	*12 VA
DN6	up to 50 l/h			
DN10	up to 200 l/h			
DN15	up to 400 l/h			
DN25	up to 1000 l/h			

*with inductive loads, use contact protector relays

** Valid for a suction line with contact switch.

Type overview

Flexible design		Type SA	Type SL	Type SL-2
Nominal width		DN4, DN6, DN10, DN15, DN1/4", DN3/8"	DN4, DN6	
Foot valve		With non-return function, filter and ceramic weight	With non-return function, filter and ceramic weight	With non-return function, filter and ceramic weight
Level control* (number of switching points)		none	1	2
Material		PVC, PP, PVDF, stainless steel	PVC	PVC, PP, PVDF
Hose material		PVC, PE, PTFE	PVC	PVC, PE, PTFE
Length	Hose	2500 mm		

* max contact load rating: 50V DC/AC, 0.5 A, Pmax 12 VA

Rigid design		Type SC	Type SG-1	Type SG-2	Type SH
Nominal width		DN4, DN6			DN10, DN15, DN25
Foot valve		with non-return function and filter	with non-return function and filter	with non-return function and filter	with non-return function and filter
Connection to medium return		optional			none
Level control* (number of switching points)		none	1	2	none
Material		PVC	PVC, PP float	PVC, PP float, PP, PVDF	PVC
Hose material		PVC	PVC	PVC, PE, PTFE	none
Length	Suction line	adjustable: 330 – 1400 mm		adjustable: 500 – 1400 mm	540 – 2000
	Hose	1500 mm			none

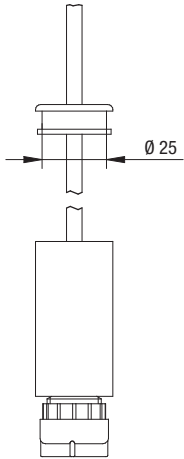
* max contact load rating: 50V DC/AC, 0.5 A, Pmax 12 VA

Rigid design with protective tube		Type GA	Type GF-1	Type GF-2	Type SDL-2
Nominal width		DN4			DN15
Foot valve		without	with non-return function		
Connection to medium return		none	present	present	none
Level control* (number of switching points)		1	1	2	2
Material		PVC	PVC	PVC	PVC
Hose material		PVC	PVC	PVC	none
Length	Suction line	460, 630 mm			adjustable: 540 – 1100 mm
	Hose	1500 mm	4500 mm		none

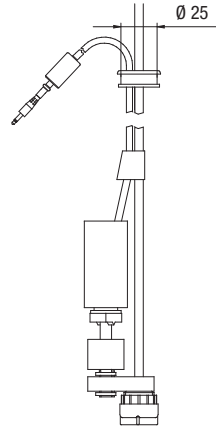
* max contact load rating: 50V DC/AC, 0.5 A, Pmax 12 VA

Dimensions

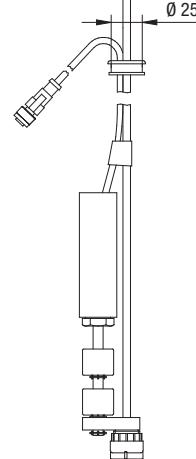
SA suction line



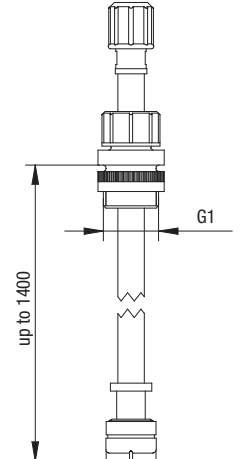
SL suction line



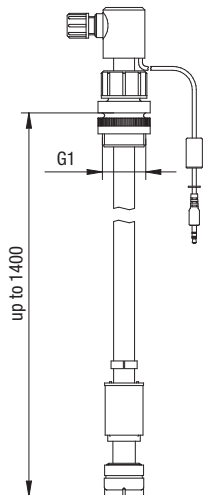
SL-2 suction line



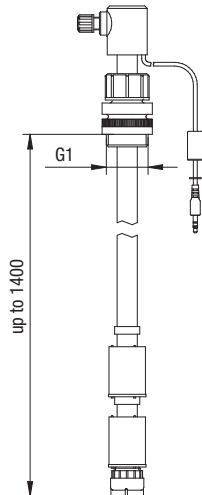
SC suction line



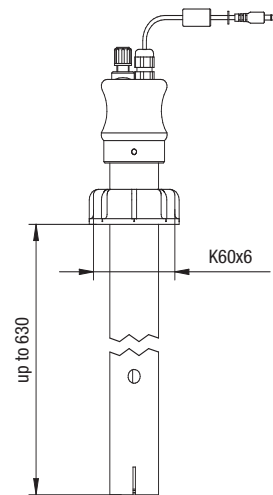
SG-1 suction line



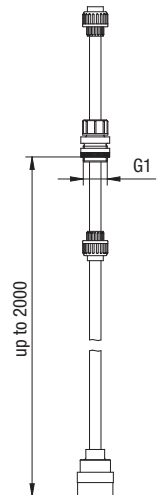
SG-2 suction line



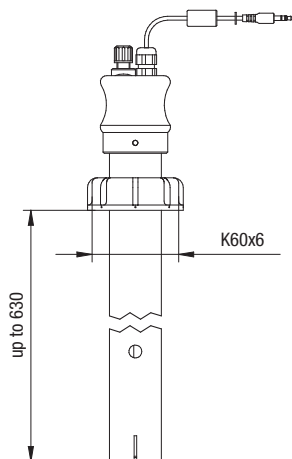
GA suction line



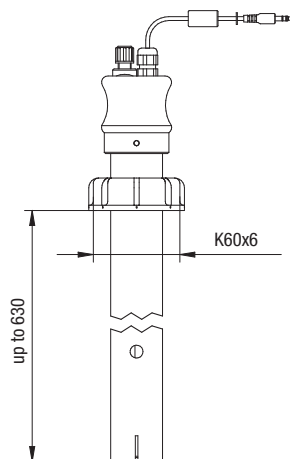
SH suction line



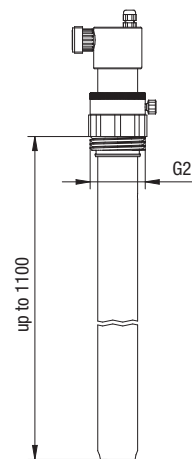
GF-1 suction line



GF-2 suction line



SDL-2 suction line



All dimensions in mm

Product range

Lutz Pumpen GmbH
P.O. Box 1462
D-97864 Wertheim
www.lutz-pumpen.de

Product range

Lutz-Jesco GmbH
P.O. Box 100164
D-30891 Wedemark
www.lutz-jesco.com



Barrel and container pumps



Dosing pumps



Measuring and control equipment



Flow meters



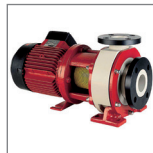
Chlorinators



Disinfection



Double diaphragm pumps



Chemical centrifugal pumps



Standard plus



Centrifugal pumps



TECHNOPOL

Products for the disinfection of swimming pool water based on salt water electrolysis and domestic water technology



The Lutz-Jesco App for iPad and iPhone is available from the iTunes App Store. Further information can be found at www.lutz-jesco.com



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