PRODUCT INFORMATION

SUCTION LANCES

INSPIRED. SOLUTIONS. FOR CUSTOMERS.

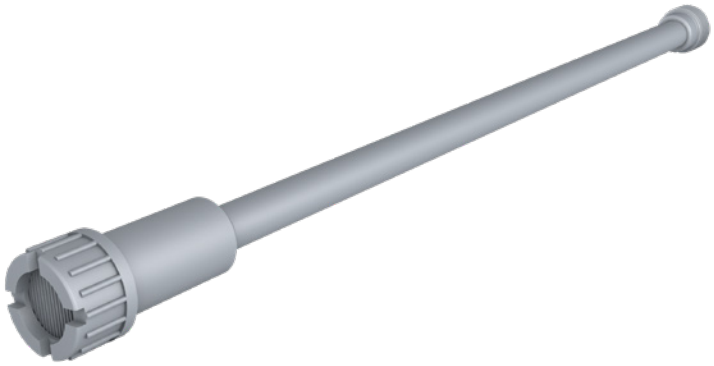
SUCTION LANCES WITHOUT LEVEL SWITCH

The **sera** suction lances are used for the removal of chemicals from containers. The suction lances can be installed height-adjustable in a container lid (not included in delivery) or placed directly in the container.

For the **sera** suction lance, the regulations applicable at the place of installation must always be observed before and during operation.

S-01

- Compact, robust design
- Easy handling
- Maintenance free
- High quality materials
- individual special lengths up to max. 1.500 mm possible



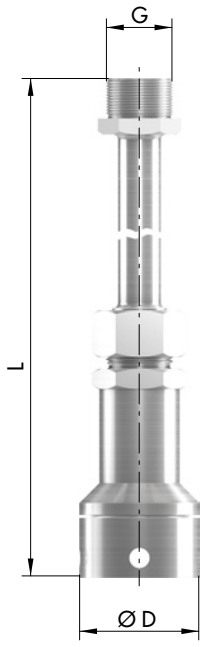
MATERIALS

Suction lance S-01		PVC-U	PP(-FRP)	PVDF(-FRP)	1.4571
Foot valve	PVC-U	■			
	1.4401				■
	PP-FRP		■		
	PVDF-FRP			■	
Valve ball	PTFE	■	■	■	
	1.4401		■	■	■
Sealings	FPM	■	■	■	
	EPDM	■	■	■	■
	FEP-covered				■

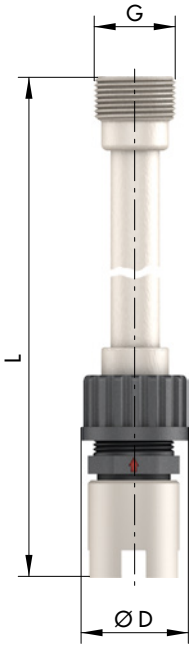
TECHNICAL DATA / DIMENSIONS

		S-01					
Nominal width	DN	10	15	15	15	20	20
Threaded connection	G	G¾	G¾	G1	G1¼	G1	G1¼
Max. flow rate	l/h	200	200	600	600	600	1450
Max. viscosity of conveyed medium	mPas	100	100	100	100	100	100
Min. density of conveyed medium	kg/dm³	1	1	1	1	1	1
Max. pump stroke volume	cm³	20	20	103	103	103	245

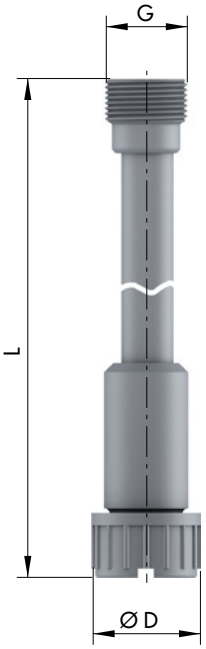
1.4571



PP(-FRP), PVDF(-FRP)



PVC-U



		S-01					
DN		10	15	15	15	20	20
G		G¾	G¾	G1	G1¼	G1	G1¼
D	1.4571	60	60	60	60	60	60
	PVC-U	38	53	53	53	63	63
	PP(-FRP), PVDF(-FRP)	35	–	–	–	52	52
L		650	650	650	650	650	650
		1000	1000	1000	1000	1000	1000
		1250	1250	1250	1250	1250	1250
	max.	1500	1500	1500	1500	1500	1500

(Dimensions in mm)

SUCTION LANCES WITH LEVEL SWITCH

SL-02

- Compact, robust design
- Safe
- Easy handling
- 1- or 2- stage level monitoring
- Flexible connection possibilities
- High quality materials
- Maintenance free
- 2-stage, normally closed (NC)
- 5m cable (from Foot valve) with cable box M12 3-pole (**1**) for connection to pump types C204.1, C410.2 and with plug M12 8-pole (**2**) for connection to pumps with control electronics Pro+.

SLP-15x.1

- Compact, robust design
- Easy handling
- 1- or 2- stage level monitoring
- Protective tube
- Maintenance free
- High quality materials
- Protection class IP65
- 1- or 2-stage, normally closed (NC) cable screwing: M12x1,5

SL-12.1

- Compact design
- Height adjustable
- 2-stage level monitoring
- Flexible connection possibilities
- Easy handling
- High quality materials
- Maintenance free
- incl. hose screwings 4/6, 6/8, 6/12
- 2-stage, normally closed (NC)
- 5m cable (from Foot valve) with cable box M12 3-pole (**1**) for connection to pump types C204.1, C410.2 and with plug M12 8-pole (**2**) for connection to pumps with control electronics Pro+.

MATERIALS

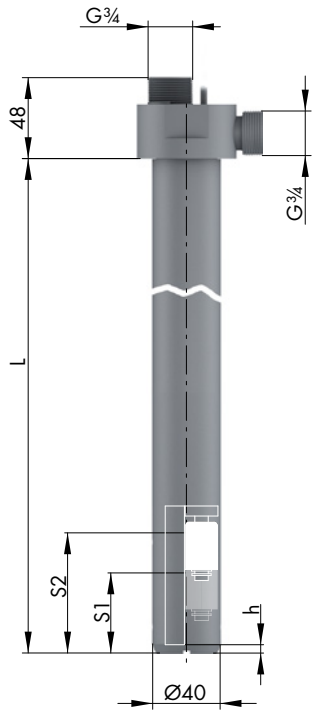
		SL-02	SL-12.1	SLP151.1	SLP-152.1
Suction lance	PVC-U	■	■	■	■
Foot valve	PVDF-FRP	■			
	PVC-U		■	■	■
Valve ball	PTFE	■	■	■	■
Sealings	FPM	■		■	■
	EPDM	■		■	■
	PTFE		■		
Level switch	PP	■	■	■	■
Hose	PE		■		

TECHNICAL DATA / DIMENSIONS

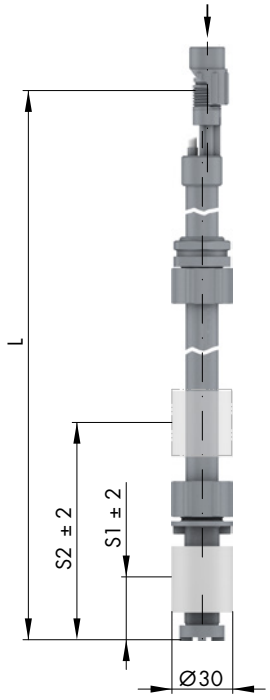
		SL-02	SL-12.1	SLP-151.1	SLP-152.1
Max. flow rate	l/h	200	14[1] / 35[2]	700	700
Max. viscosity of conveyed medium	mPas	100	50	100	100
Min. density of conveyed medium	kg/dm³	1	1	1	1
Max. switching voltage	V / AC/DC	48	50	48	48
Max. switching current	A	0,5	0,5	0,5	0,5
Max. switching capacity	W / VA	10 / 12	10 / 12	10 / 12	10 / 12
Protection class	(IEC529)	IP65	IP65[3]	IP65	IP65
Min. installation opening	mm	42	24	52	52
Max. pump stroke volume	cm³	20		100	100

[1] with hose connection 4/6
[2] with hose connection 6/12
[2] Protection class IP67 from lower edge of screw cover

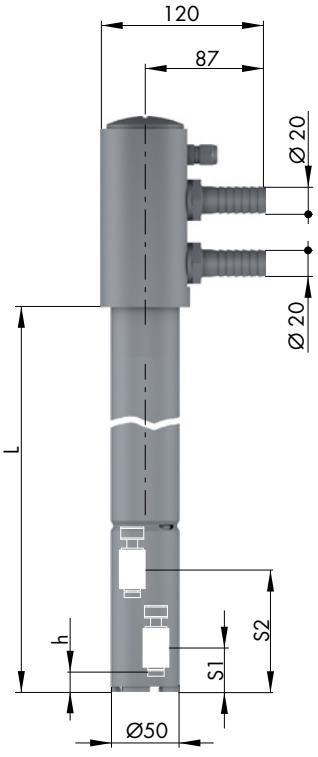
SL-02



SL-12.1
for PE-/PTFE- hose 4/6
for PVC-U- hose 6/12



SLP-151.1 / SLP-152.1

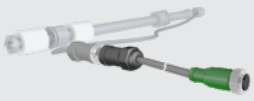
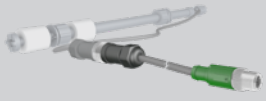


		SL-02		SL-12.1	SLP-151.1	SLP-152.1
		1-stage	2-stage			
L		630	630	600	750	750
		1000	1000	1000	1000	1000
		1200	1200	1200	1250	1250
S1	Switching point	50	48	33	55	55
S2	Switching point	–	72	104	–	113
h	Rest approx.	8	8	–	15	15

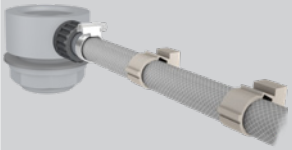
(Dimensions in mm)

ACCESSORIES

SL-02				
Illustration	Designation	Description	Material	Article-No.
	Barrel connection adapter for male thread	d40 to S65x5 (DIN 2781)	PP/FPM	90011762
			PP/EPDM	90011763
	Barrel connection adapter (Set of 3 pcs.) for female thread	1x d40 to S65x5 (DIN 2781) additional: 1x S65x5 to BCS56x4 (EN12708) 1x S65x5 to G2 (DIN ISO 228-1)	PP/FPM	90046043
			PP/EPDM	90046044
	Barrel connection adapter for male thread	DIN51	PP/FPM	90011766
			PP/EPDM	90011767
	Barrel connection adapter for wall duct	G=2 Wall thickness S=max. 6 mm	PP/PVC/FPM	90011772
			PP/PVC/EPDM	90011773

SL-12.1			
Illustration	Designation	Description	Article-No.
	Cable with cable box and plug 3-pole	5 m Cable with cable box M12, for connection to pump types C204.1, C410.2	90031245
		Plug M12	90022883
	Cable with plug and cable box 8-pole	5 m cable with plug M12 for connection to pump with control electronics Pro+	90042494
		Cable box M12	90022879

ACCESSORIES

SLP151.1 / SLP152.1				
Illustration	Designation	Description	Material	Article-No.
	Cable with cable box, 3-pole	5 m cable with cable box M12 for conection to pump types C204.1, C410.2		90031245
	Cable with plug, 8-pole	5 m cable wth plug M12 for connection to pump with control electronics Pro+		90042494
	Tank screwing BCS 70x6 Di=50	Container screw connection for internal thread. Ventilation via tolerance of the inner diameter of the adapter or via separate ventilation of the container.	PVC-U	90028923
	Tank screwing G2, IBC	For IBC cover with G2 internal thread. Ventilation via adapter. Gas-tight design with „hose set“ possible.	PVC-U	90044282
	Tank screwing G2 universal	Bulkhead fitting with flat gasket (made of PVC-U). Ventilation via adapter. Gas-tight design with „hose set“ possible.	PVC-U	90044277
	Hose set 3/4, d12, L3000	for gas tight container screwing for connection to On-site evacuation system	PVC-U	90044369
	Quiver	Quiver for storing/holding the suction lance (e.g. when changing containers)	PVC-U	90028919

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sera

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