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Filter probe sc

Data Sheet



LANGE 

UNITED FOR WATER QUALITY

Filter probe sc

Specifications

Table 1 Filtration probe sc specifications (in some cases optional extras)

Components	Filter module with pump
Dimensions	(W × H × D) 330 × 384 × 243 mm (13 × 15.12 × 9.57 inches)
Supply tubing	5 m or 10 m, depending on version
Enclosure	Plastic enclosure, PPE, flammability class in accordance with UL 94
Mass	Approx. 9.5 kg filter enclosure, approx. 8 kg tubing
Power supply	Via analysis instrument
Electrical connection	Via analysis instrument
Mean power consumption	400 VA (brief peak power consumption: 1000 VA), (with 10 m heated filtration probe tubing)
Electrical fuse protection	Via analysis instrument, via controller
Operating temperature	4 °C...40 °C (39 °F...104 °F), in water
Operating temperature sample tubing	–20 °C...45 °C (–4 °F...113 °F); 95 % relative humidity, non-condensing
Storage temperature	–20 °C...60 °C (–4 °F...140 °F); 95 % relative humidity, non-condensing Once the filter modules have become wet, they must be stored wet.
Sample temperature	4 °C...40 °C (39 °F...104 °F), water temperature
Permissible sample flow speed	max. 3 m/s, from 1 m/s: install only with protection against flow (accessory)
Permissible pH value of the sample	5–9
Maximum immersion depth	3 m (120 inch)
Fastening to the extension pipe	6 screws M5 × 10 mm
Filtrate flow rate	≥ 5 ml/minute, 4 out of 5 minutes
Cables and tubing on the probe pipe	Outer sheath of the cables and tubing: UV and weather resistant Total external diameter of the outer tubing: 32 mm (1.2 inch) External diameter of the sample tubing 3.2 mm (0.12 inch) External diameter of the return tubing: 6 mm (0.23 inch) External diameter of the air tubing: 6 mm (0.23 inch) External diameter of the data cable: 7.1 mm (0.28 inch) External diameter of the power cable: 6.1 mm (0.23 inch)

We reserve the right to make changes without notice.

Drawing with dimensions

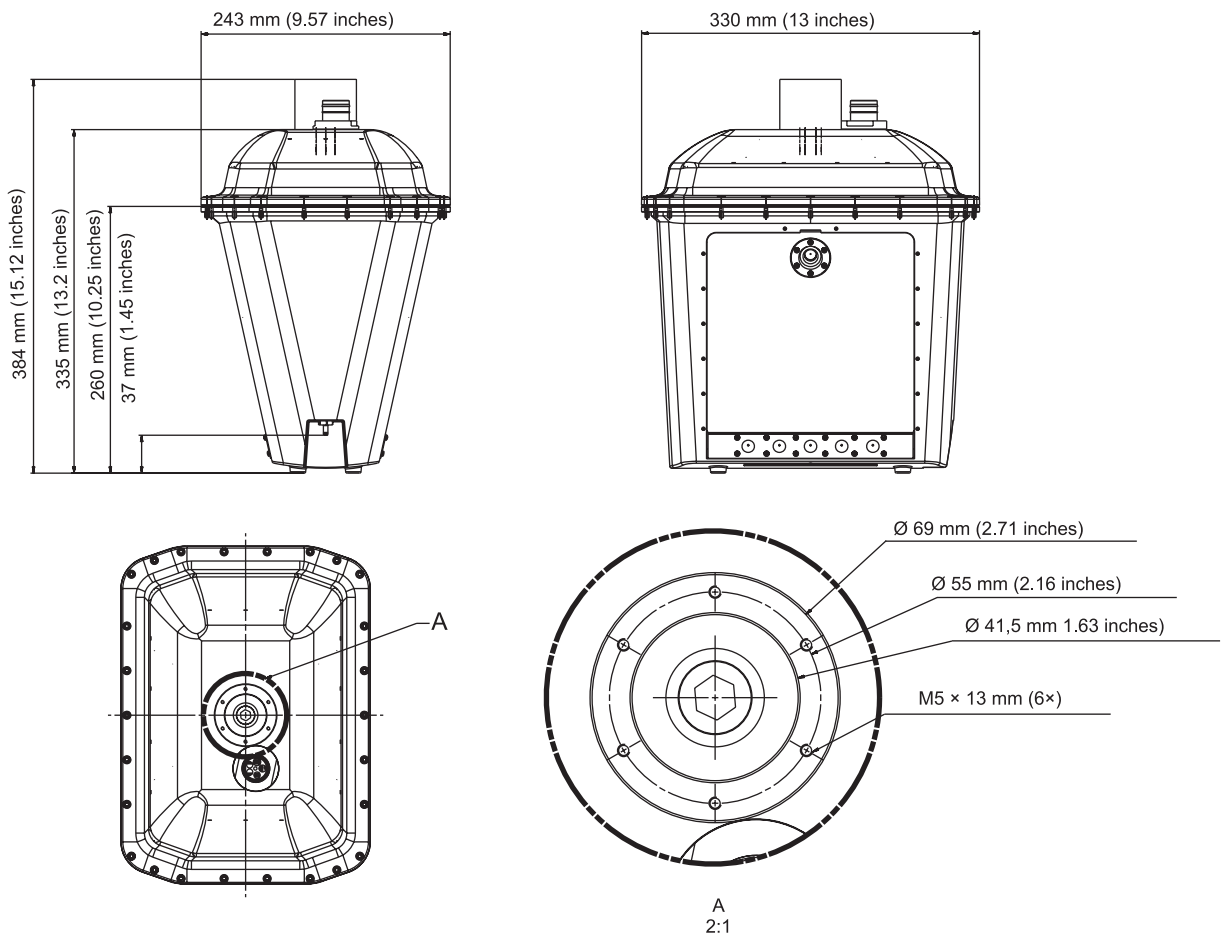
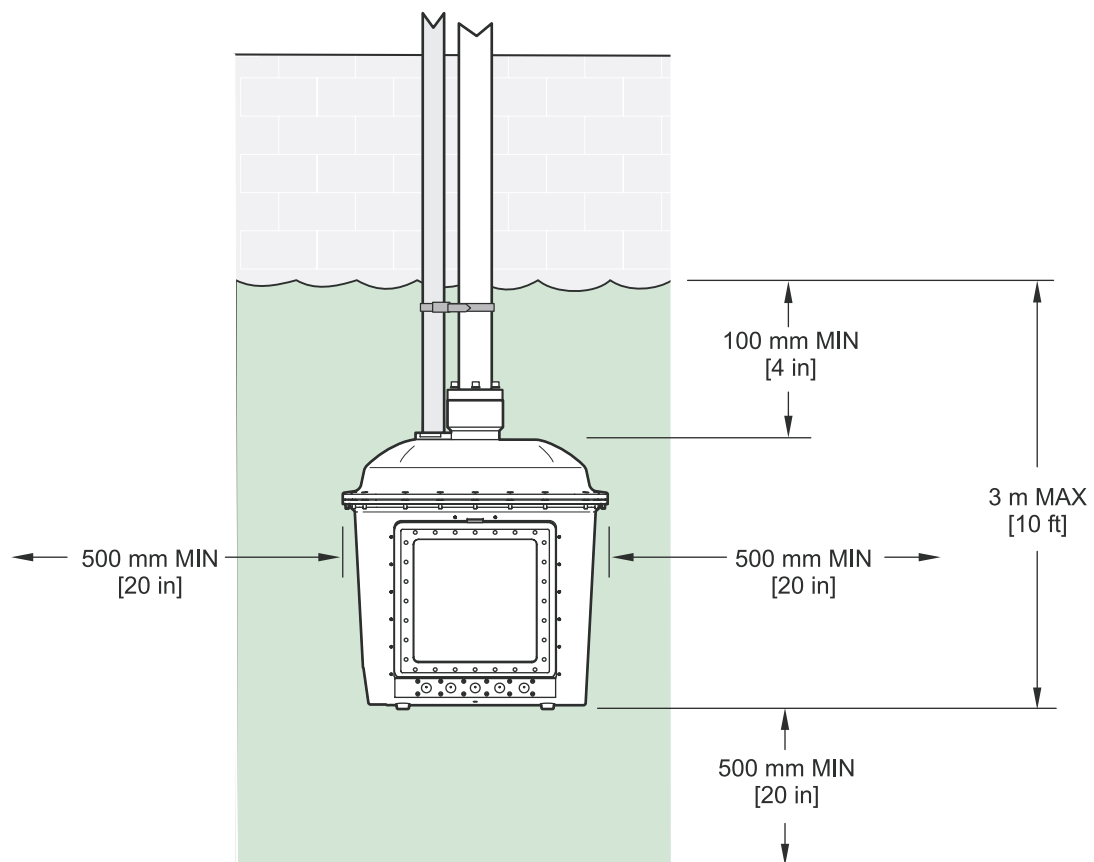
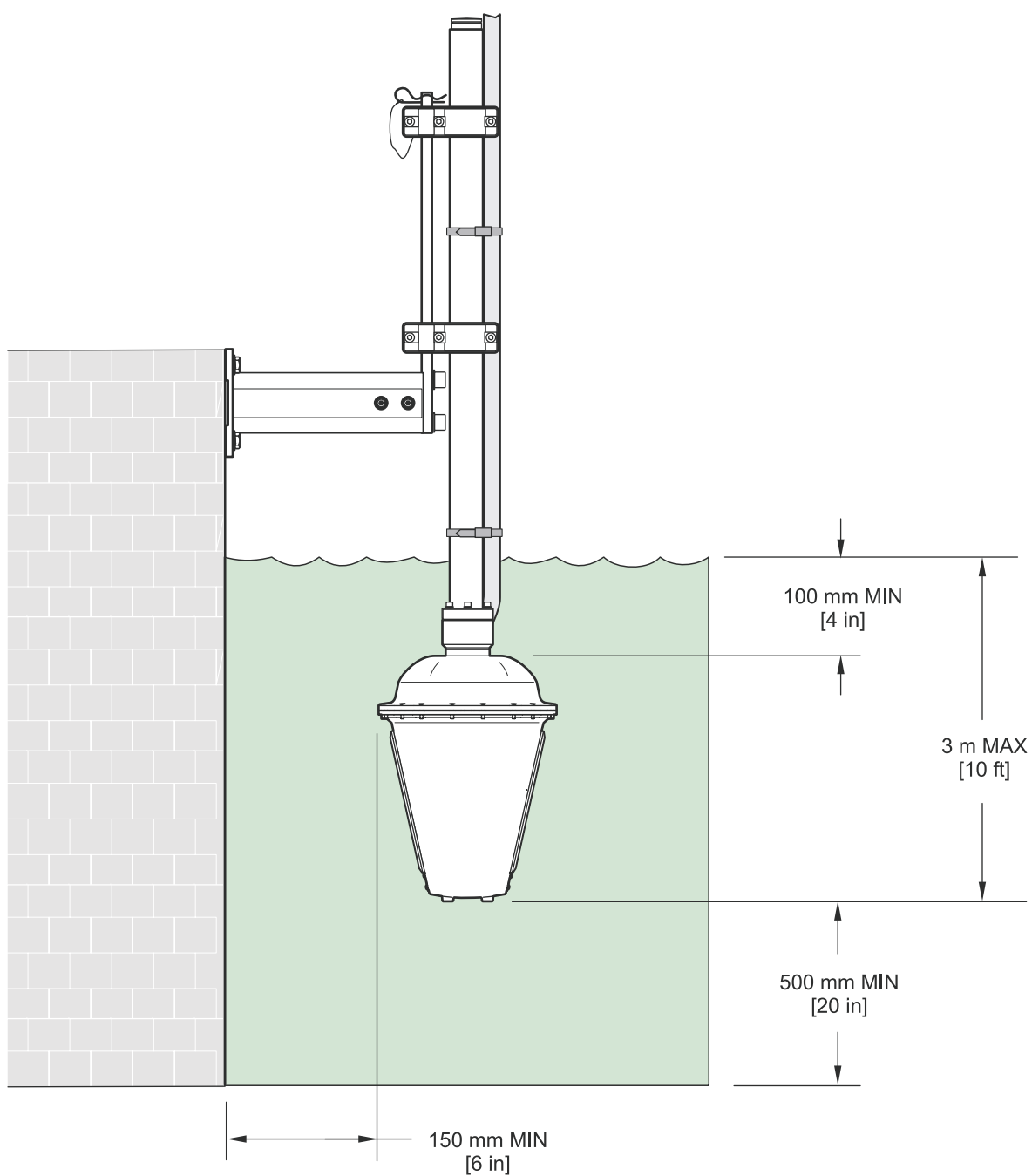


Figure 1 Drawing with dimensions

Installing the filtration probe sc





Replacement Parts, consumables, accessories

Replacement parts and their order numbers

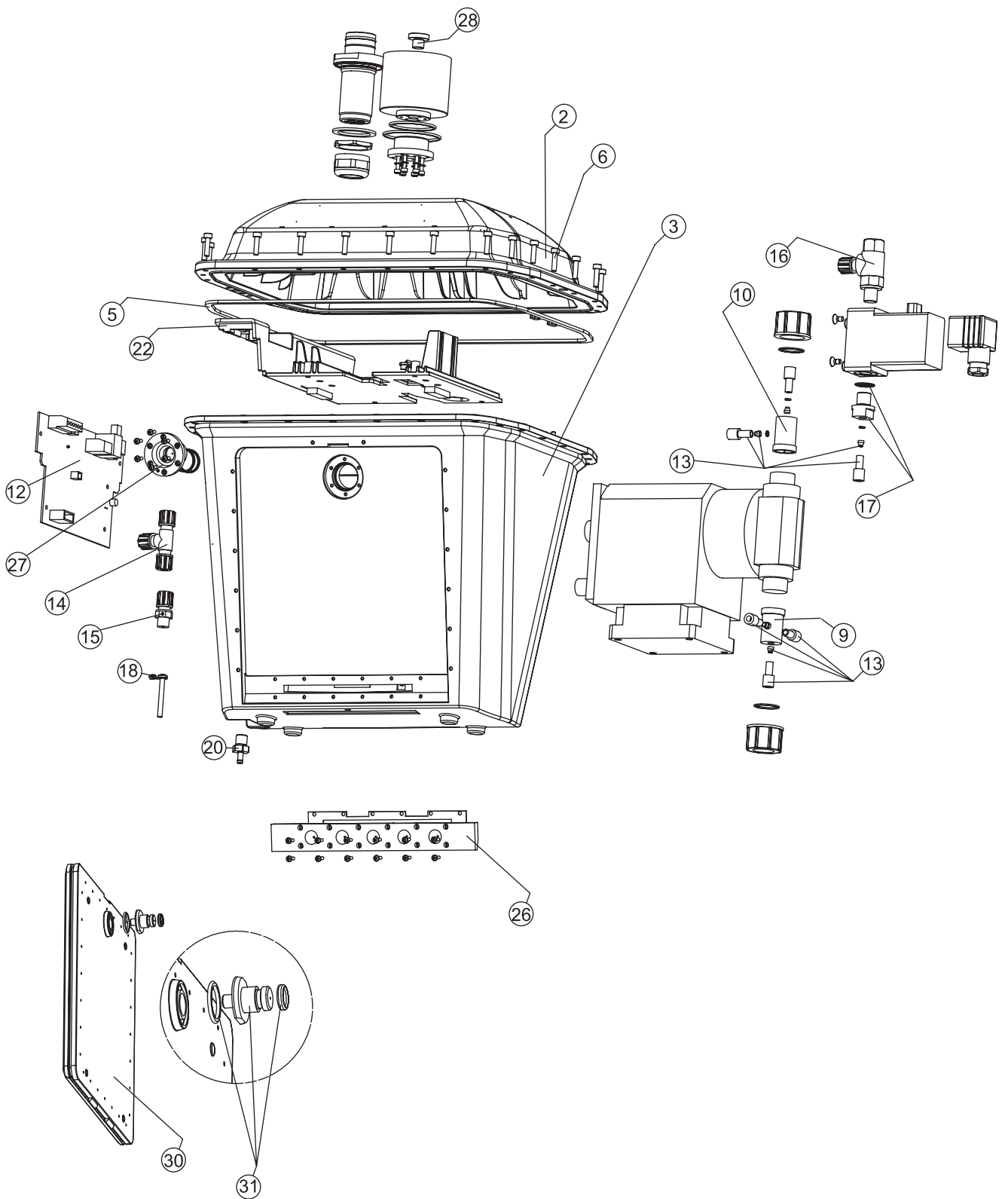
Item	Description 1	Description 2	Order No.
	Set of seals for filtration probe	incl. O-ring, connector press. sensor	LZY121
--	Set of wear parts for sample pump	incl. membrane, valves, screws	LZY130
--	Tubing for filtration probe	FEP tubing 1 × 3.1 mm, 1.00 m	LZY131
--	Air tubing for filtration probe	4/6 mm, PUR-H	LZY132
1	Sample tubing 230 V, 5 m	incl. top cover and adaptor	LZY112
1	Sample tubing 115 V, 5 m	incl. top cover and adaptor	LZY113
1	Sample tubing 230 V, 10 m	incl. top cover and adaptor	LZY114
1	Sample tubing 115 V, 10 m	incl. top cover and adaptor	LZY115
2	Top cover filtration probe (plastic part)		LZY116
3	Enclose filtration probe (plastic part)	without top cover	LZY117
5	Sealing top cover	for filtration probe	LZY119
6	Set of screws for filtration probe	(28 pieces)	LZY120
9	Adaptor suction side		LZY128
--	Set of screws	(4 of each type used)	LZY314
10	Adaptor physical page		LZY129
12	Card filtration probe with press. sensor	ZBA804	YAB042
13	Set of fittings 3.2 mm	(4 pieces)	LZY111
14	T-fitting 4/6 mm		LZY133
15	Fitting for tubing DN 4/6		LZY134
16	Elbow fitting 4/6 mm		LZY135
17	Fitting for exhaust valve	incl. O-ring	LZY136
18	Humidity sensor incl. connector		LZY137
20	Exhaust (copper)		LZY139
21	Adaptor for filtration probe	with flange + screws	LZY118
22	Safety cover filtration probe	incl. pads and screws	LZY122
23	Exhaust valve 230 V	incl. cable, connector, fittings, screws	LZY123
23	Exhaust valve 115 V	incl. cable, connector, fittings, screws	LZY124
24	Sample pump 230 V	incl. sleeve cable and connector	LZY125
24	Sample pump 115 V	incl. sleeve cable and connector	LZY126
25	Sleeve nut with sealing		LZY127
26	Exhaust (2 pcs.) for air cleaning	incl. sealing/screws	LZY138
27	Coupling piece incl. screws		LZY265
28	Locking screw probe adaptor		LZY213
29	Seal for filter module	O-ring 7,50 × 2,50 (4 pieces)	LZY142
30	Filter module for filtration probe		LZY140
31	Adaptor for filtration module	including sealing	LZY141
32	Connection tubing for filtr. probe	4/6 mm, PTFE 25 cm	LZY253

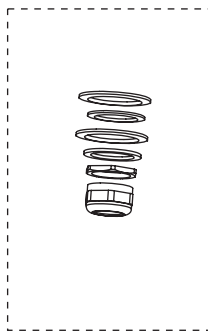
Accessories

Description 1	Description 2	Order No.
Sponge		EZZ062
Set of small parts	2 spring cotter with chains + 6 screws	LZY245

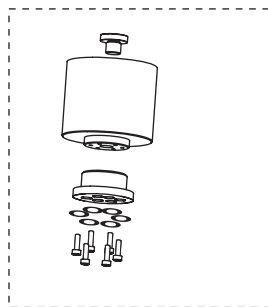
Optional accessories

Description	Description 2	Order No.
Rim mounting for filtration probe sc		LZX414.00.50000
Rail mounting for filtration probe sc		LZX414.00.60000
Protection against flow		LZY317

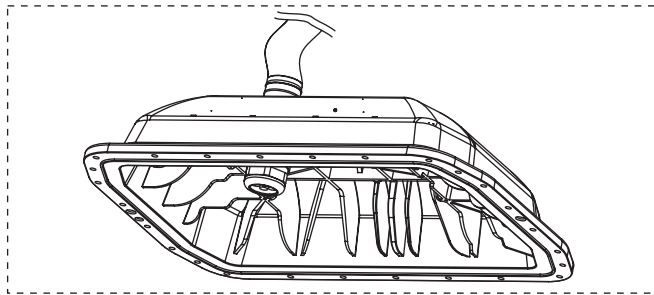




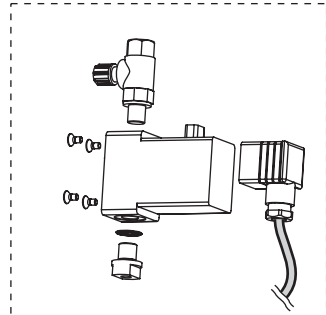
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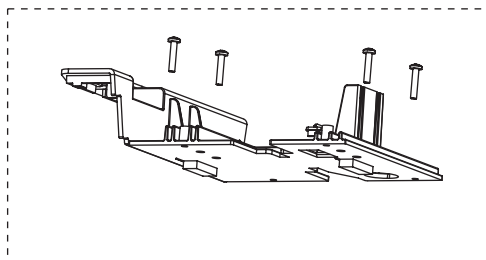
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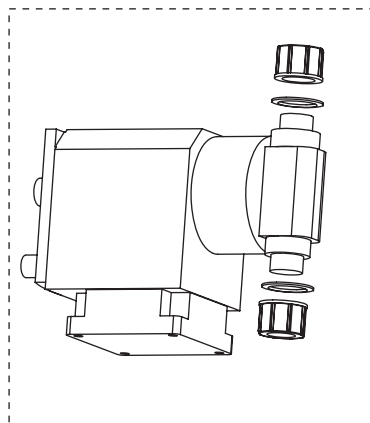
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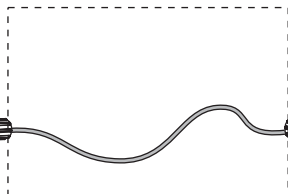
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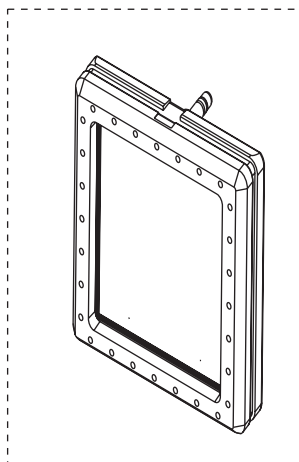
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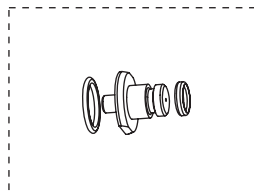
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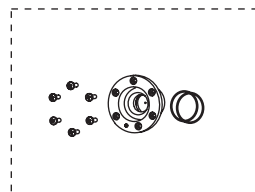
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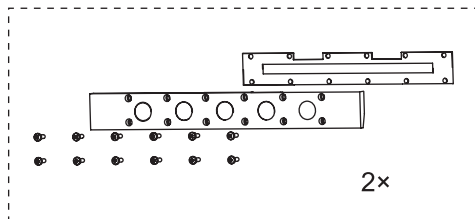
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