

A159002

glue feed unit



Zator
gluing solutions

DATASHEET





TECHNICAL DESCRIPTION

Glue feed unit with double diaphragm pneumatic pump 1:1 ratio equipped with: suction pipe with filter and bottom valve, stainless steel filter/pulsation dampener which has the double function to drop the pulsations of the pump and filter any possible impurities contained into the aspirated fluid, 1:1 automatic stainless steel pressure regulator, proportional valve for automatic control of fluid flow. On request a float level sensor (optional) can be installed to indicate the minimum fluid level into the bucket.

APPLICATION FIELDS

- packaging
- paper converting
- case maker
- printing machines
- tobacco industry
- assembly
- cosmetics

FLUID TYPES

- adhesives and glues
- inks
- paint
- mastics
- low viscosity fluids

TECHNICAL DATA

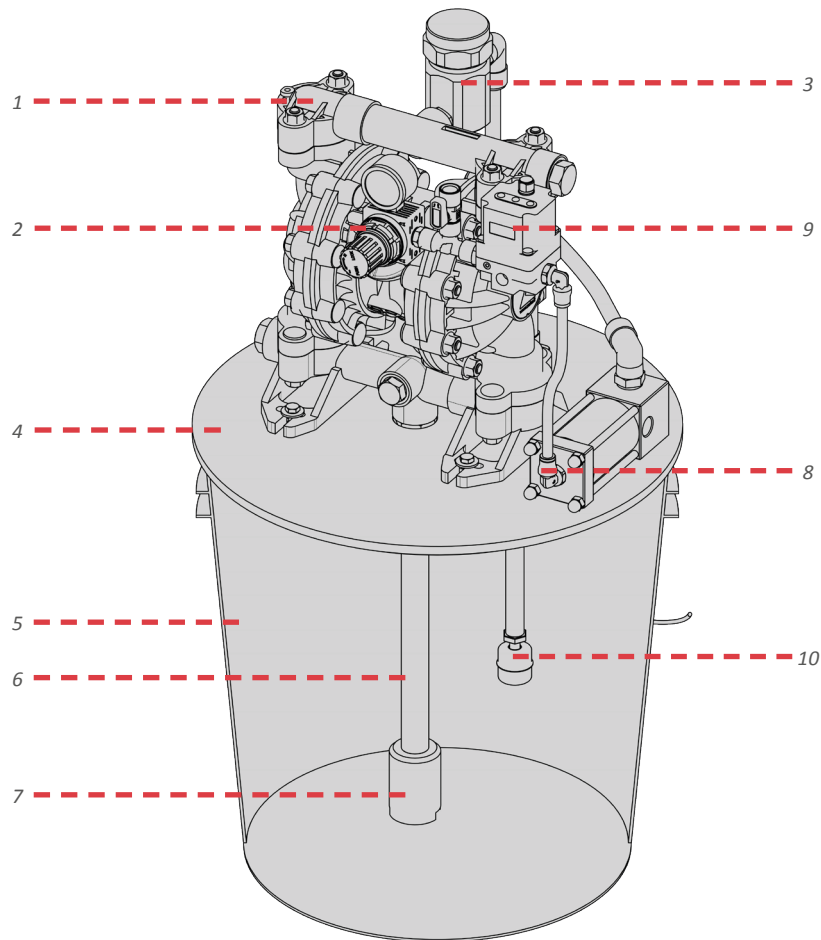
technical data

Pump ratio	1:1
Line air supply	max 6 bar
Air inlet connection	G1/4"
Maximum fluid viscosity	~ 1.000 mPa·s
Proportional valve signal	0÷20 mA
Working pressure	from 1 to 6 bar
Fluid outlet connection	G3/8"
Weight (tare)	11 Kg
Bucket capacity	28 liters

FUNCTIONS AND COMPONENTS

The glue feed unit A159002 is indicated to supply low viscosity glues, adhesives and fluids. It is composed mainly of:

1. **Double diaphragm pump** made of with 1:1 ratio and anti-stall pneumatic control valve;
2. **Air pressure regulator** with manometer (inlet);
3. Stainless steel **filter/pulsation dampener**;
4. **Lid** made of PVC fixed to the pump;
5. **Bucket** made of HDPE for the storage of the fluid;
6. **Suction pipe** of the fluid;
7. **Bottom valve** with filter;
8. 1:1 automatic stainless steel **fluid pressure regulator** (outlet);
9. **Proportional valve** for automatic control of the fluid flow;
10. **Float Level sensor** (optional) to indicate the minimum fluid level into the bucket.





MODELS

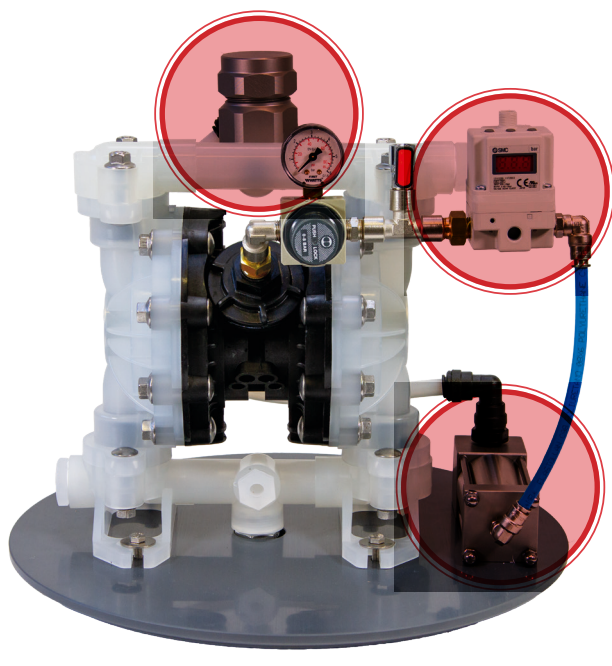
code	description
A159002	Diaphragm pump feed unit: double diaphragm polypropylene pump, polypropylene seats, santoprene diaphragms and balls. Bucket with lid, suction pipe with filter, bottom valve, proportional valve, stainless steel filter/pulsation dampener and automatic stainless steel pressure regulator.



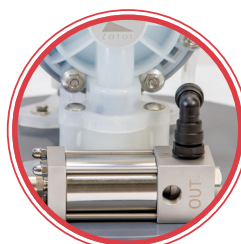
Proportional valve



Stainless steel filter with interchangeable cartridge



Double diaphragm pump



Automatic stainless steel pressure regulator



Bottom valve with filter



Float level sensor kit
A19910000

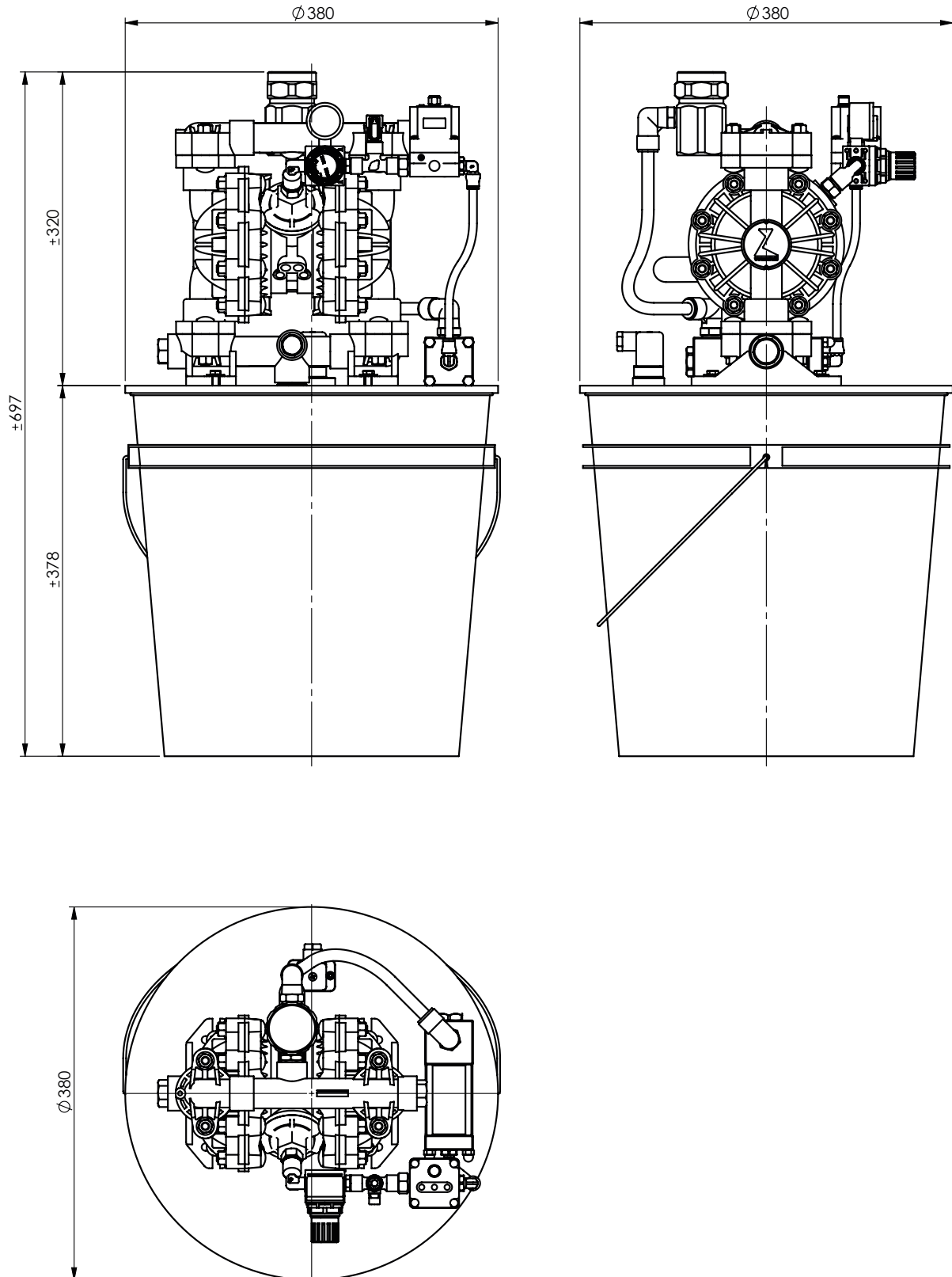


Stand

Available
optionals



DIMENSIONS





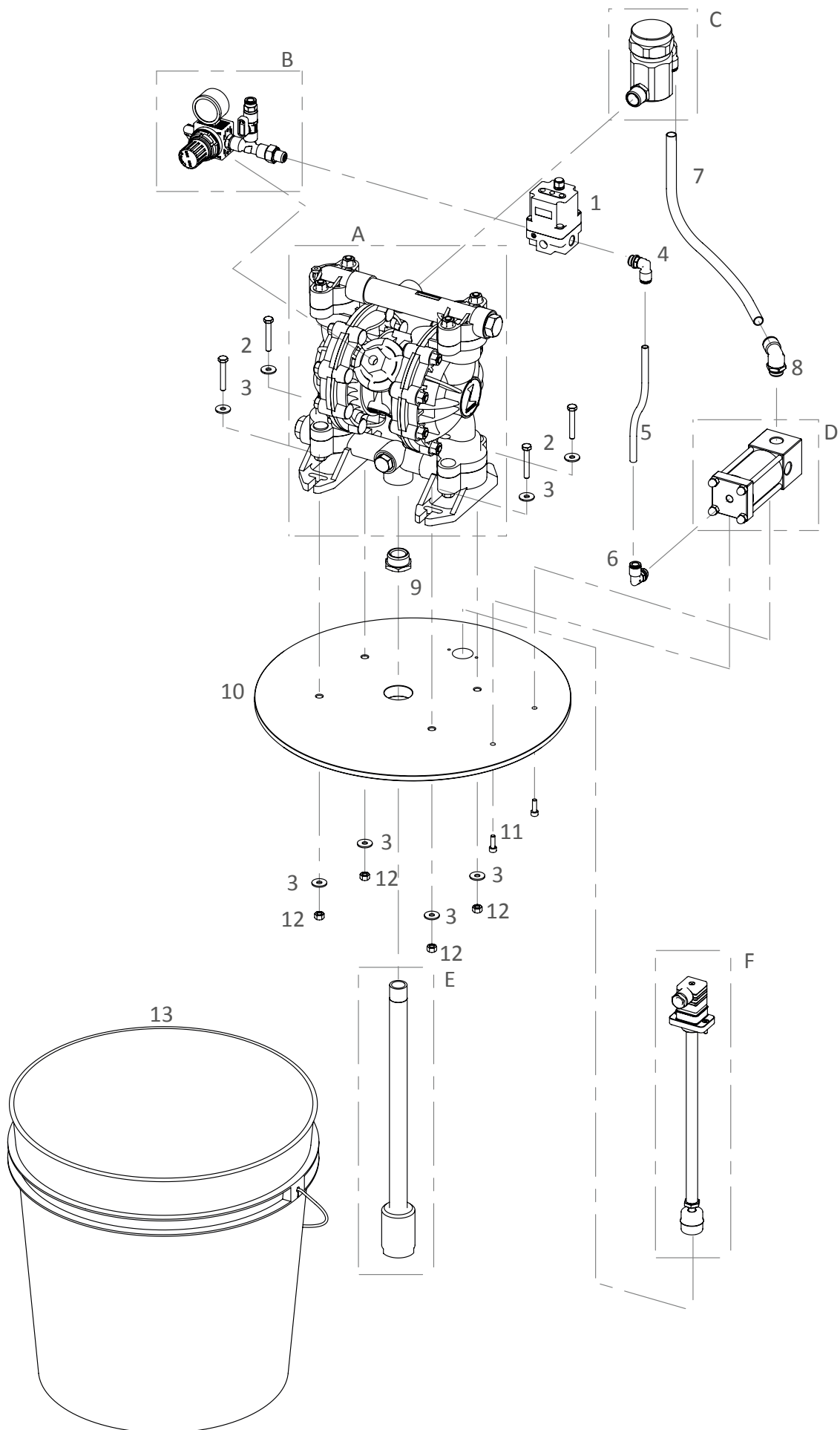
PARTS LIST

Glue feed unit

pos.	code	q.ty	description
A	PMPM0105000	1	Pump
B	ASM00104	1	Air inlet group
C	ASM00200	1	Filter Group
D	A19515100	1	Stainless steel fluid pressure regulator 1:1
E	TBC00101	1	Suction pipe complete
F	A19910000	1	Level sensor complete
1	K95451200	1	Proportional valve
2	SC43060401	4	Screw
3	WSR0106010	8	Washer
4	RRCS1153	1	Fitting
5	TBP010609	1	Pipe
6	RRCS1053	1	Fitting
7	TBP050913	1	Pipe
8	RRKC1255	1	Fitting
9	RRIQ1413	1	Fitting
10	BLD000102	1	Standard plastic lid
	BLD000104	1	Plastic lid level sensor version
11	SC00050161	2	Screw
12	NT0006010	4	Nut
13	BCK000100	1	Bucket



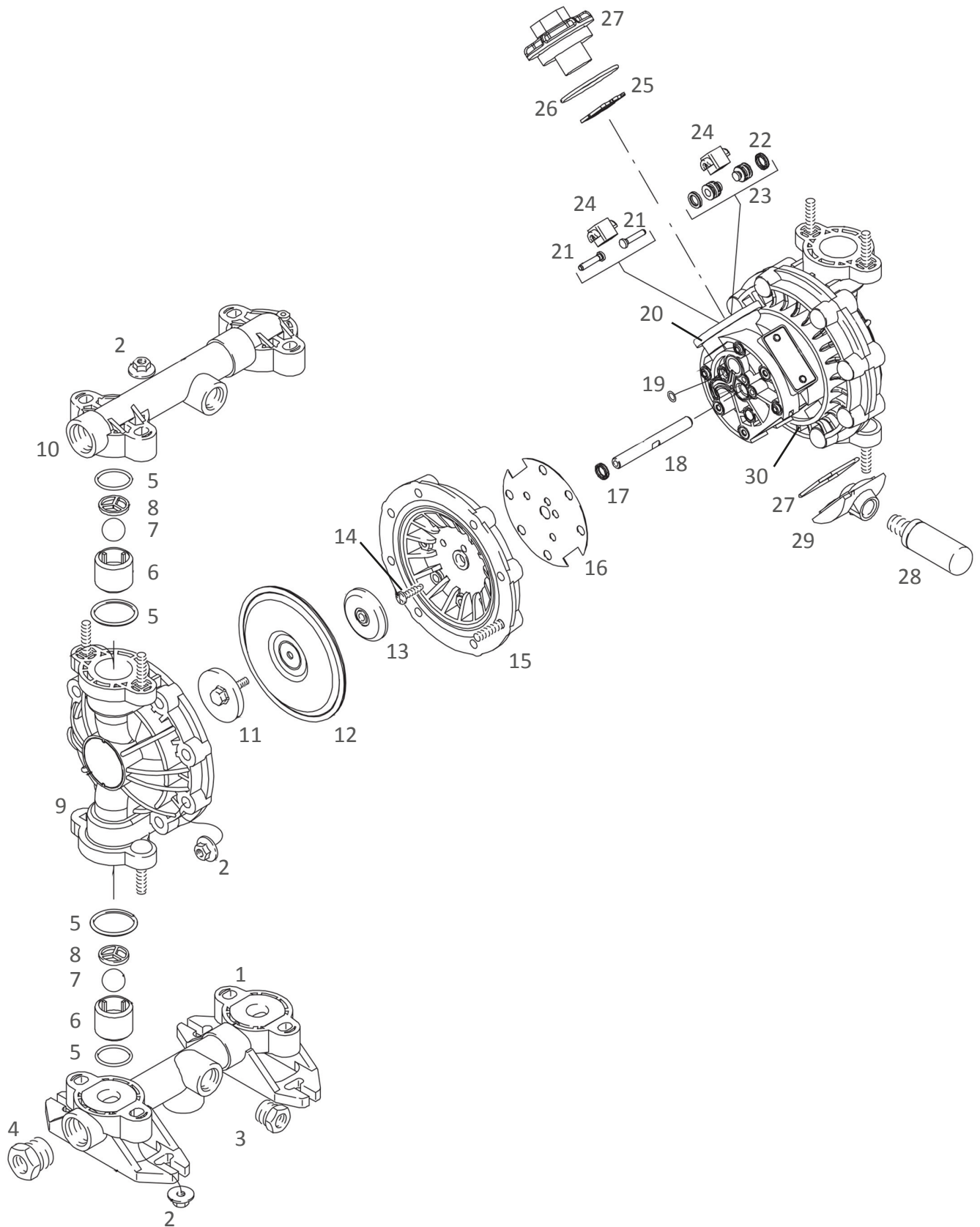
GLUE FEED UNIT A159002



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**Group A - Pump**

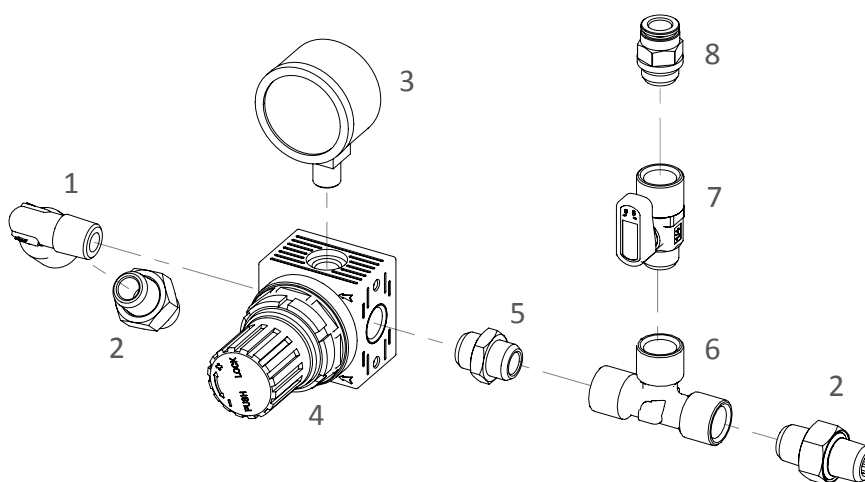
pos.	code	q.ty	description
1	192575	1	Lower manifold
2	114850	24	Nut
3	194364	2	Plug
4	194367	2	Plug
5	114849	8	O-ring
6	186776	4	Guide
7	112946	4	Ball
8	186777	4	Stop
9	192558	2	Pump body
10	192566	1	Upper manifold
11	187712	2	Plate diaphragm fluid
12	189536	2	Diaphragm
13	195025	2	Plate diaphragm air
14	114882	12	Screw
15	192600	1	Left air cover
16	192765	2	Gasket
17	108808	2	Gasket
18	192601	1	Shaft diaphragm
19	114866	2	O-ring
20	192602	1	Housing center
21	192596	2	Pin
22	108808	2	Gasket
23	15Y825	2	Piston
24	192595	2	Carriage
25	194269	1	Valve plate
26	162942	2	O-ring
27	192597	1	Cover valve chamber
28	112933	1	Muffler
29	194247	1	Cover exhaust
30	192599	1	Right air cover





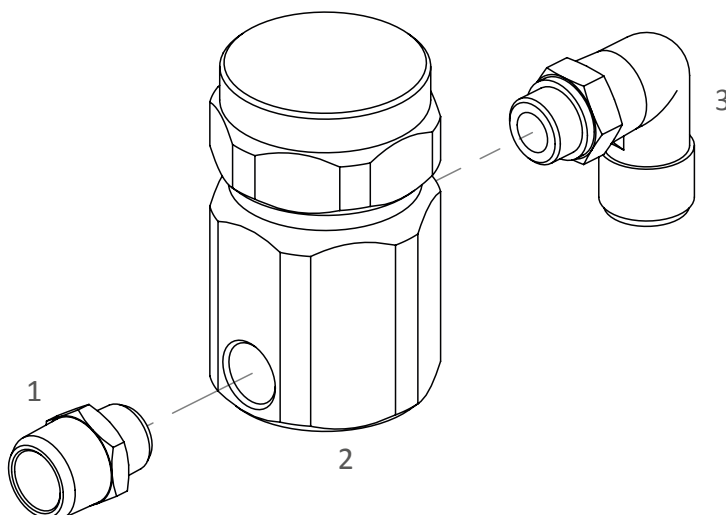
Group B - Air inlet group

pos.	code	q.ty	description
1	RRFC1100	1	Fitting
2	RRFO1100	2	Fitting
3	PGGR418210	1	Manometer
4	RROA1100	1	Air pressure regulator
5	RRFM1100	1	Fitting
6	RRFF1100	1	Fitting
7	RRMC1100	1	Ball valve
8	RRBZ1153	1	Fitting



Group C - Filter group

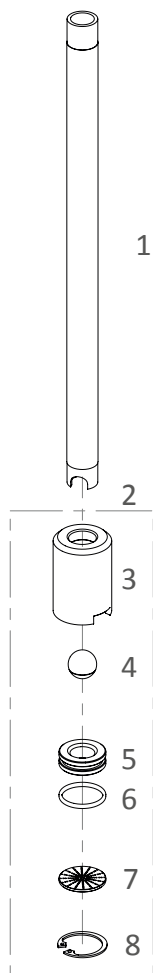
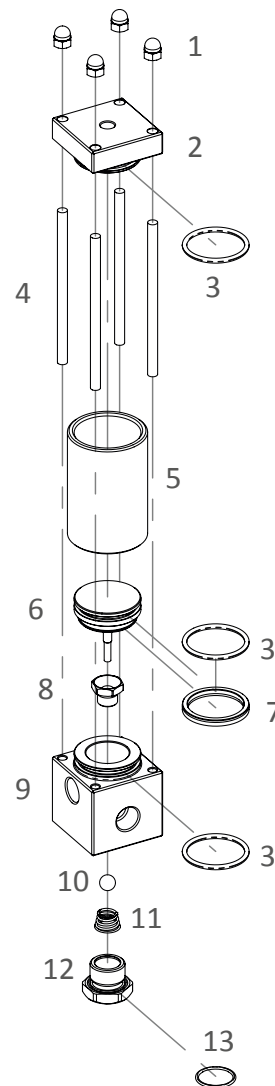
pos.	code	q.ty	description
1	RRIL1312	1	Fitting
2	MZF1138S	1	Stainless steel filter
3	RRKC1255	1	Fitting





Group D - Automatic fluid pressure regulator

pos.	code	q.ty	description
1	NT2006010	4	Nut
2	BG000066	1	Upper plug
3	K92013301	3	O-ring
4	SC74061051	4	Threaded rod
5	BG000065	1	Cylinder
6	PST000019	1	Piston
7	K92214001	1	Variseal
8	BST000011	1	Ball seat
9	BG000063	1	Regulation pressure fluid body
10	BLL0950601	1	Ball
11	CCS000008	1	Spring
12	SGR000008	1	Lower plug
13	K92012003	1	O-ring



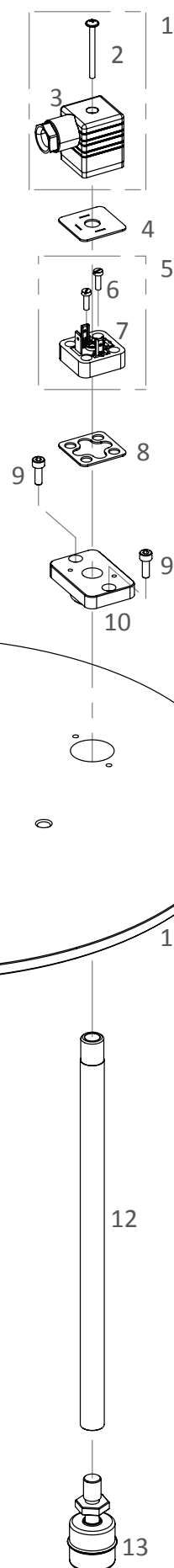
Group E - Complete suction pipe

pos.	code	q.ty	description
1	TBN00101	1	Pipe
2	BG000096	1	Bottom valve complete
3	BG000062	1	Bottom valve body
4	BLL2000401	1	Ball
5	BST000010	1	Ball seat
6	K92012401	1	O-ring
7	FLT000010	1	Filter
8	SGG000008	1	Seeger



Group F - Level sensor complete

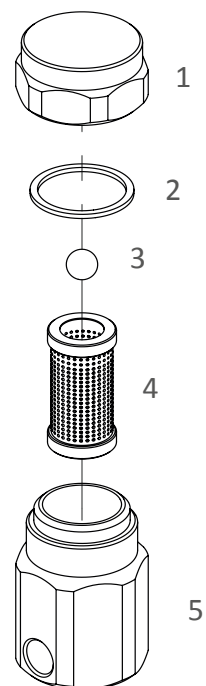
pos.	code	q.ty	description
1	CNN000038	1	Female connector complete
2	SC84030351	1	Screw
3	CNN000025	1	Female connector
4	GSK000016	1	Gasket
5	CNN000039	1	Male connector complete
6	SC01030101	2	Screw
7	CNN000026	1	Male connector
8	GSK000017	1	Gasket
9	SC00040121	2	Screw
10	BG000068	1	Flange
11	BLD000104	1	Plastic lid level sensor version
12	TBN00200	1	Pipe
13	GLG000002	1	Floating





Filter

pos.	code	q.ty	description
1	BG000070	1	Filter cap
2	GSK000018	1	Gasket
3	BLL1270401	1	Ball
4	FLC01150	1	Filter cartridge
5	BG000072	1	Filter body



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Datasheet
A159002_v01

OCTOBER 2020

