

A158001

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, 1:1 manual stainless steel pressure regulator, 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. 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

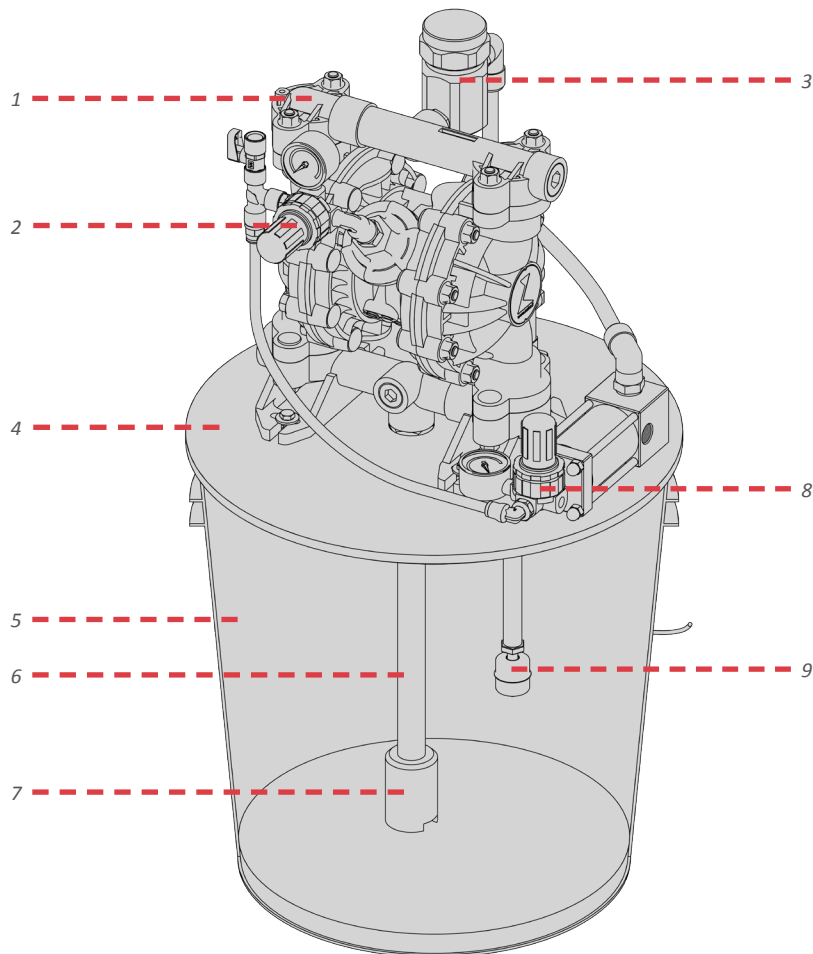
technical data

Pump ratio	1:1
Line air supply	max 6 bar
Air inlet connection	G1/4"
Maximum fluid viscosity	~ 1.000 mPa·s
Working pressure	from 1 to 6 bar
Fluid outlet connection	G3/8"
Weight (tare)	10 Kg
Bucket capacity	28 liters

FUNCTIONS AND COMPONENTS

The glue feed unit A158001 is indicated to supply low viscosity glues, adhesives and fluids. It is composed mainly of:

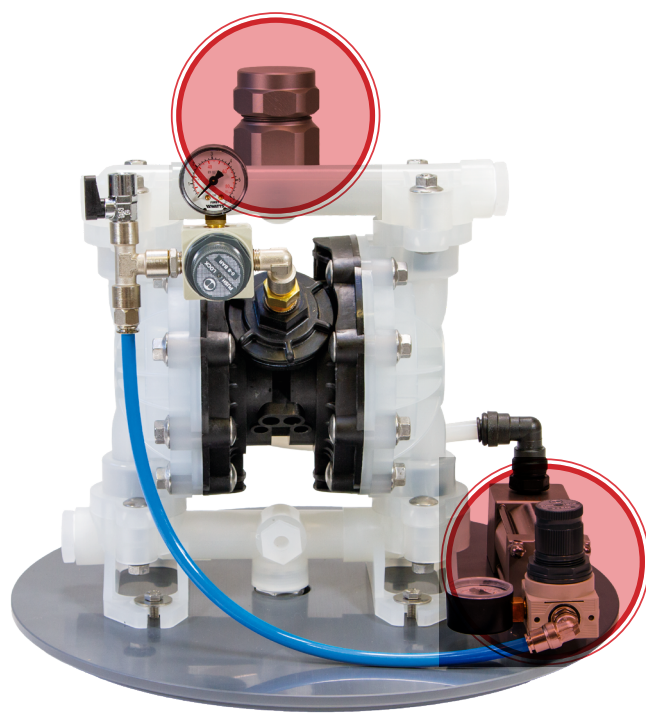
1. **Double diaphragm pump** with 1:1 ratio and anti-stall pneumatic control valve;
2. **Air pressure regulator** with manometer (inlet);
3. Stainless steel **filter/pulsation dampener**;
4. **Lid** made of PVC fixed to the pump;
5. **Bucket** made of HDPE for the storage of the fluid;
6. **Suction pipe**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





MODELS

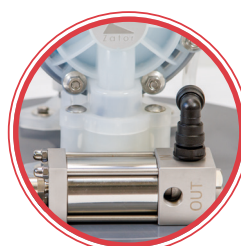
code	description
A158001	Diaphragm pump feed unit: double diaphragm polypropylene pump, polypropylene seats, santoprene diaphragms and spheres. Bucket with lid, suction pipe with filter, bottom valve, stainless steel filter/pulsation dampener and manual stainless steel pressure regulator.



Double diaphragm



Stainless steel filter
with interchangeable
cartridge



Manual stainless steel
pressure regulator



Bottom valve
with filter



Float level sensor kit
A19910000

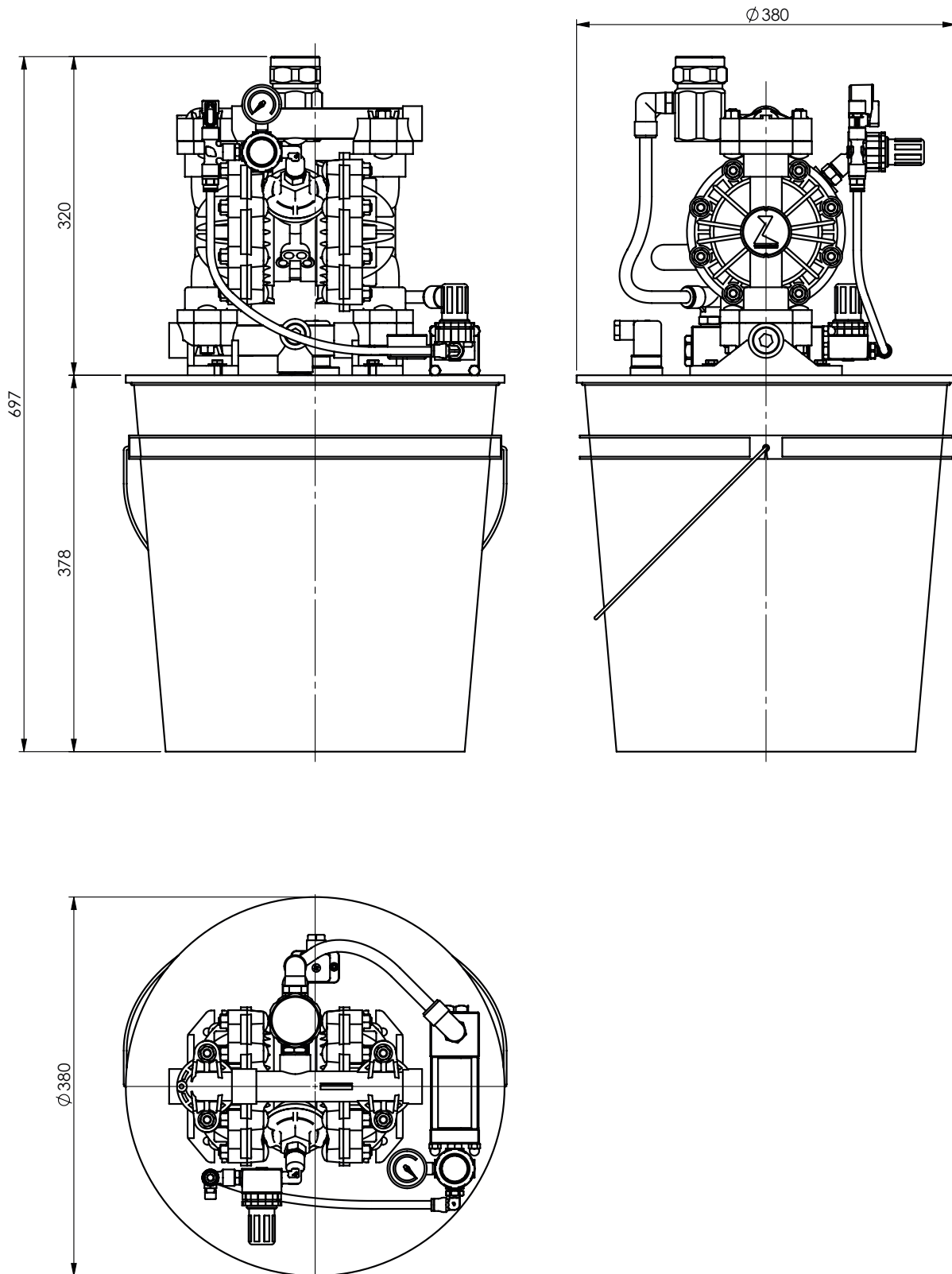


Stand

Available
optionals



DIMENSIONS





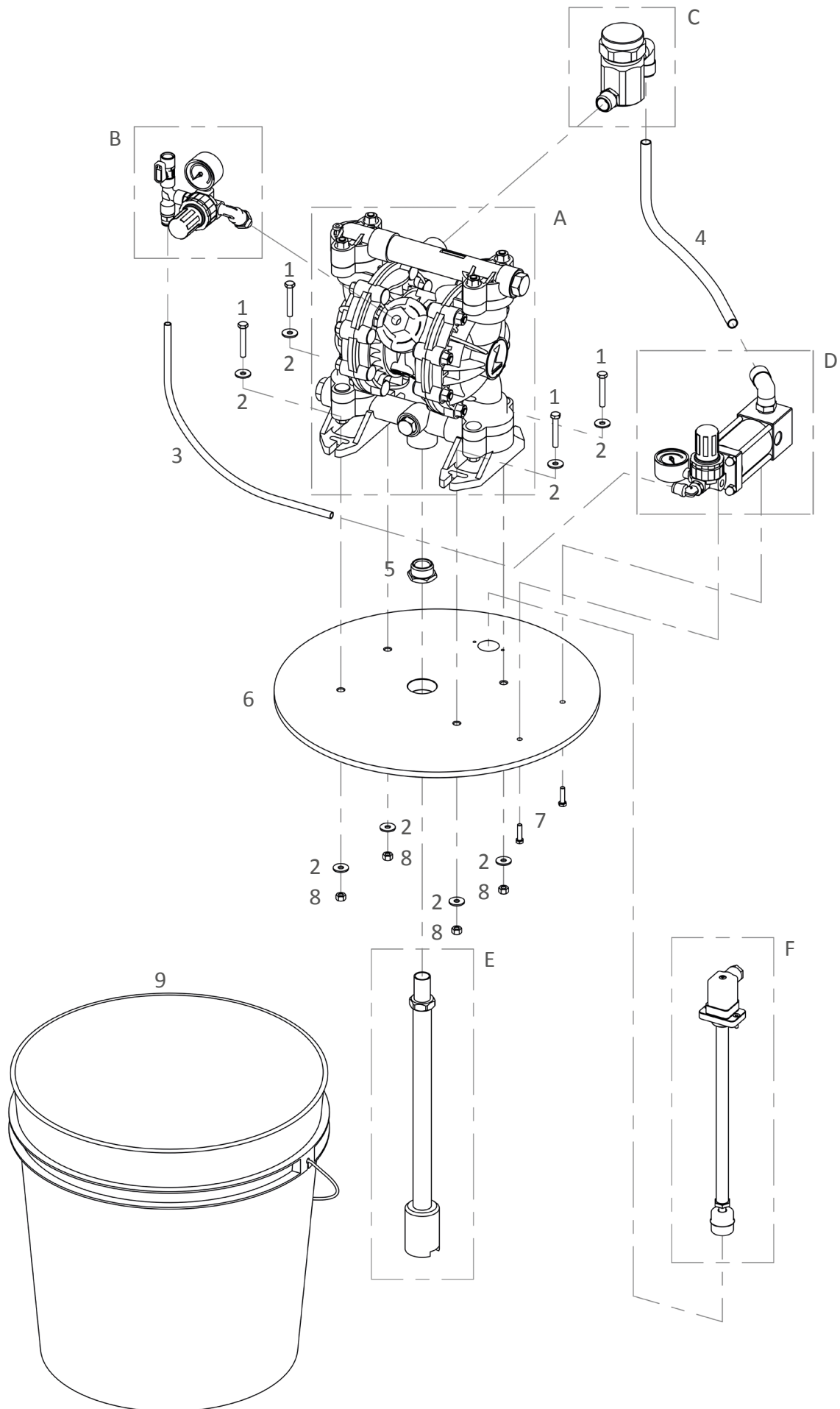
PARTS LIST

Glue feed unit

pos.	code	q.ty	description
A	PMPM0105000	1	Pump
B	ASM00103	1	Air inlet group
C	ASM00200	1	Filter group
D	ASM00303	1	Manual fluid outlet group
E	TBC00101	1	Suction pipe complete
F	A19910000	1	Level sensor complete
1	SC43060401	4	Screw
2	WSR0106010	8	Washer
3	TBP010609	1	Pipe
4	TBP050913	1	Pipe
5	RRIQ1413	1	Fitting
6	BLD000102	1	Standard plastic lid
	BLD000104	1	Plastic lid level sensor version
7	SC00050161	2	Screw
8	NT0006010	4	Nut
9	BCK000100	1	Bucket



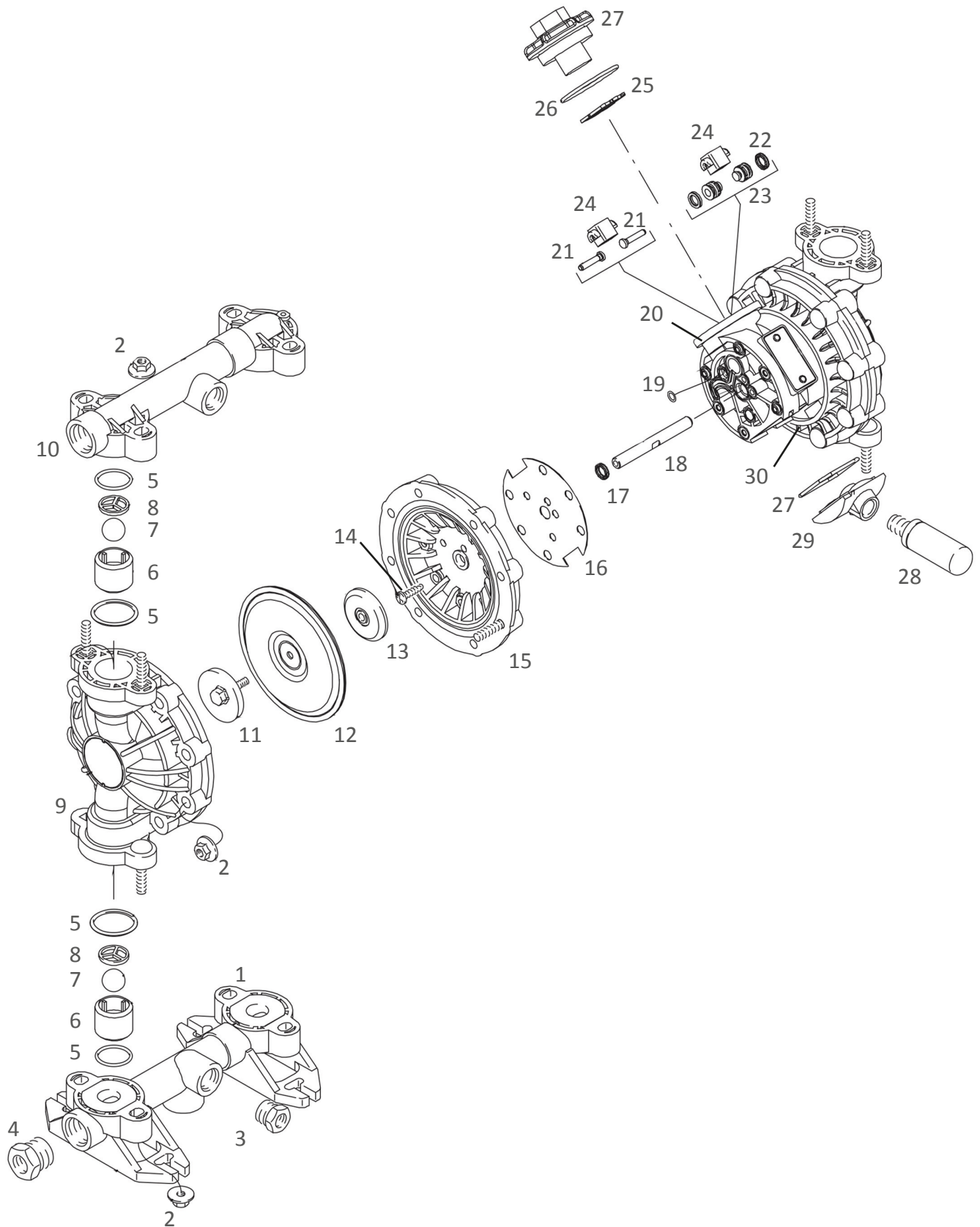
GLUE FEED UNIT A158001



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**Group A - Pump**

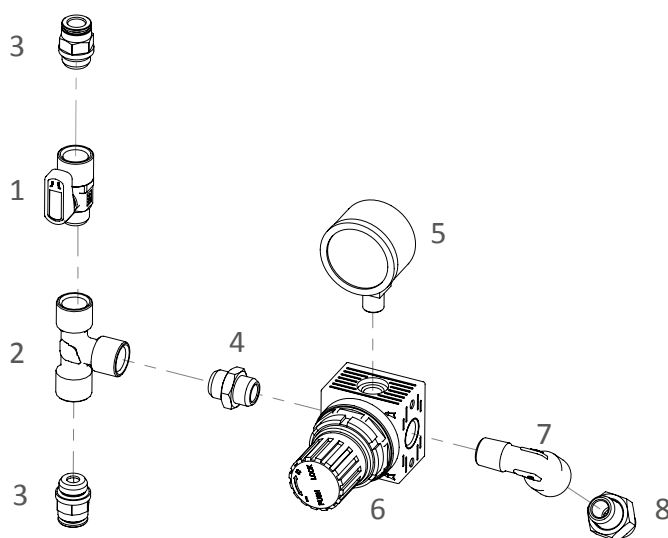
pos.	code	q.ty	description
1	192575	1	Lower manifold
2	114850	24	Nut
3	194364	2	Plug
4	194367	2	Plug
5	114849	8	O-ring
6	186776	4	Guide
7	112946	4	Ball
8	186777	4	Stop
9	192558	2	Pump body
10	192566	1	Upper manifold
11	187712	2	Plate diaphragm fluid
12	189536	2	Diaphragm
13	195025	2	Plate diaphragm air
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





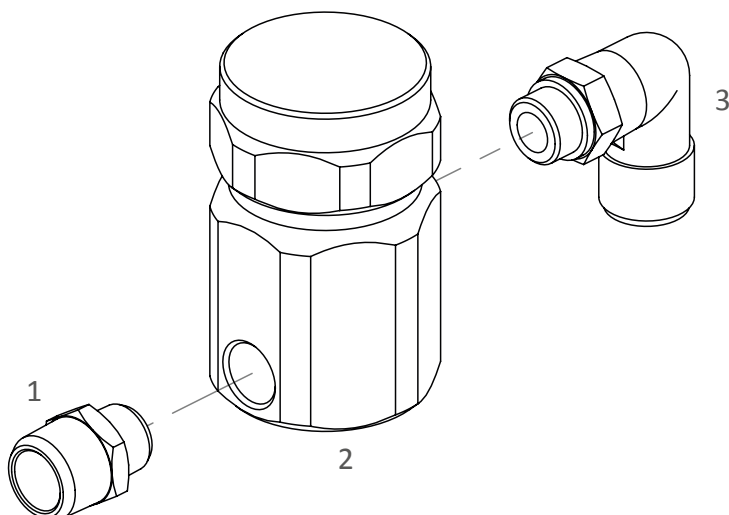
Group B - Air inlet group

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



Group C - Filter group

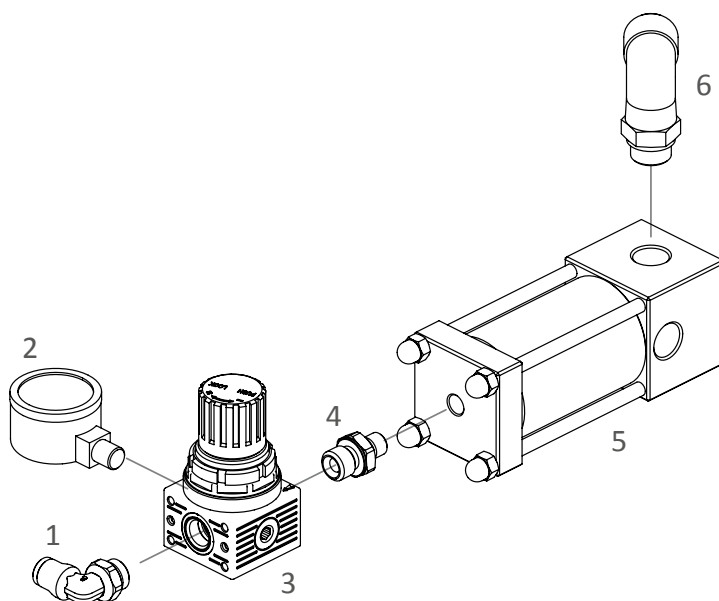
pos.	code	q.ty	description
1	RRIL1312	1	Fitting
2	MZF1138S	1	Stainless steel filter
3	RRKC1255	1	Fitting





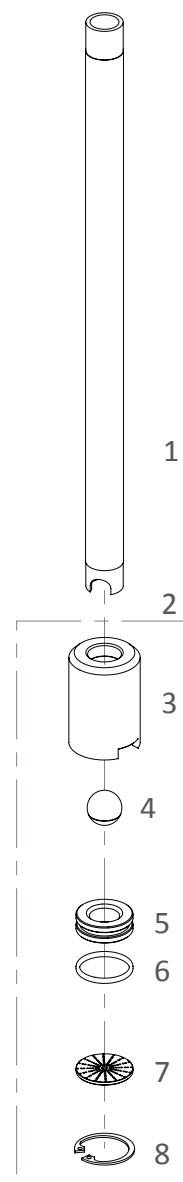
Group D - Manual fluid outlet group

pos.	code	q.ty	description
1	RRCS1153	1	Fitting
2	PGGR418210	1	Manometer
3	RROA1100	1	Air pressure regulator
4	RRFL1110	1	Fitting
5	A19515100	1	Stainless steel fluid pressure regulator 1:1
6	RRKC1255	1	Fitting



Group E - Complete suction pipe

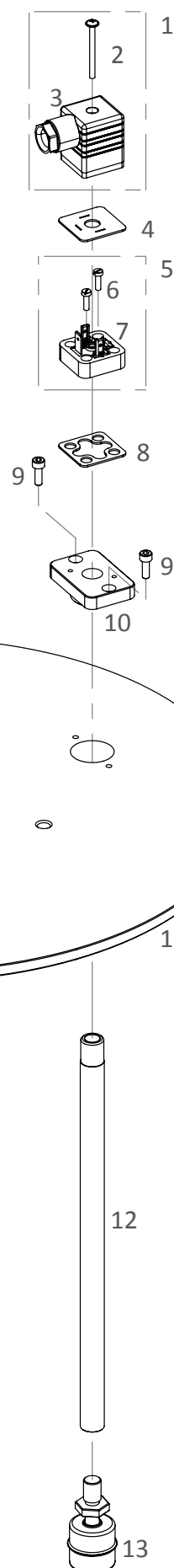
pos.	code	q.ty	description
1	TBN00101	1	Pipe
2	BG000096	1	Bottom valve complete
3	BG000062	1	Bottom valve body
4	BLL2000401	1	Ball
5	BST000010	1	Ball seat
6	K92012401	1	O-ring
7	FLT000010	1	Filter
8	SGG000008	1	Seeger





Group F - Level sensor complete

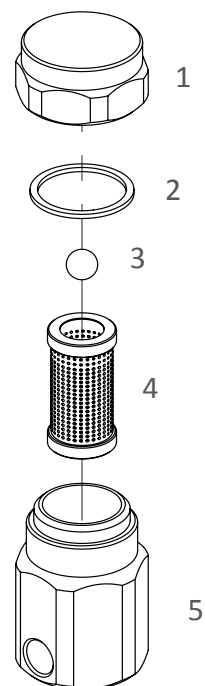
pos.	code	q.ty	description
1	CNN000038	1	Female connector complete
2	SC84030351	1	Screw
3	CNN000025	1	Female connector
4	GSK000016	1	Gasket
5	CNN000039	1	Male connector complete
6	SC01030101	2	Screw
7	CNN000026	1	Male connector
8	GSK000017	1	Gasket
9	SC00040121	2	Screw
10	BG000068	1	Flange
11	BLD000104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





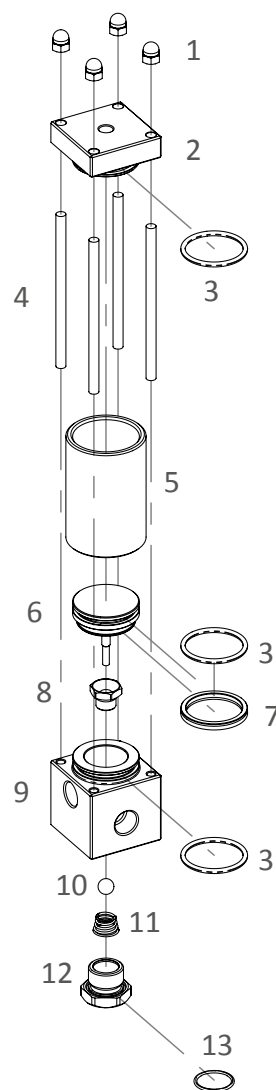
Filter

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



Manual 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



ZATOR SRL

Via Galvani, 11
20095 Cusano Milanino (MI)
Italy

Tel. +39 02 66403235
Fax +39 02 66403215

info@zator.it
www.zator.it



Datasheet
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