

A171001

glue feed unit



Zator
gluing solutions

DATASHEET





TECHNICAL DESCRIPTION

Glue feed unit with pneumatic piston pump 5:1 ratio equipped with: suction pipe with filter and bottom valve, 5:1 automatic stainless steel pressure regulator, proportional valve for automatic control of fluid flow, 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 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
- greases
- paint
- mastics
- low viscosity fluids

TECHNICAL DATA

technical data

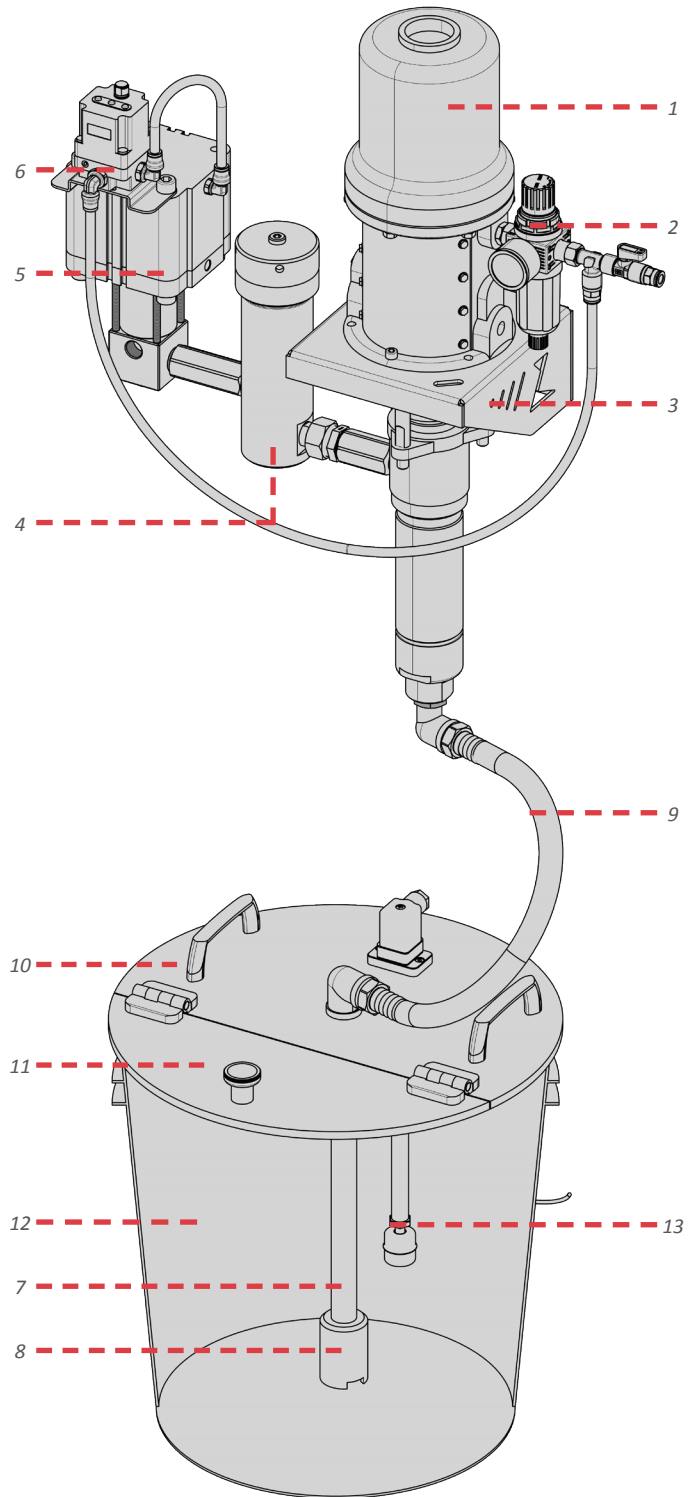
Pump ratio	5:1
Line air supply	max 6 bar
Air inlet connection	G1/4"
Maximum fluid viscosity	~ 4.000 mPa·s
Working pressure	from 1 to 30 bar
Fluid outlet connection	G1/2"
Weight (tare)	25 Kg
Bucket capacity	28 liters



FUNCTIONS AND COMPONENTS

The glue feed unit A171001 is composed mainly of:

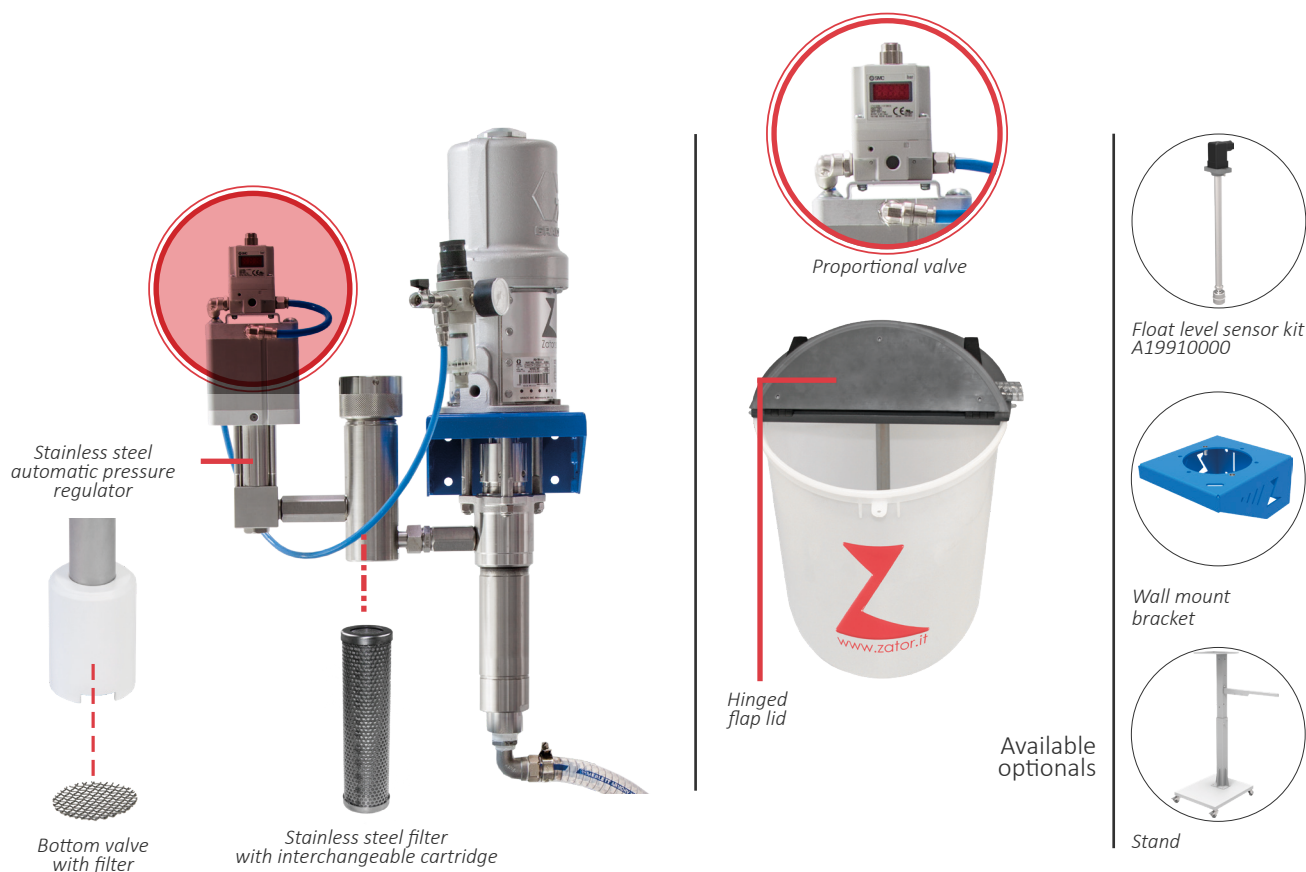
1. **Double effect pneumatic piston pump** with 5:1 ratio. All components in contact with fluid are made of stainless steel to avoid the oxidation. The air side is separated from the fluid side thanks to a chamber with oil to avoid, in case of leakage, the transfer of the fluid in the air side;
2. **Air pressure regulator** with manometer and anti-condensation filter (inlet);
3. **Bracket** for piston pump;
4. Stainless steel **Filter/pulsation dampener**;
5. **5:1 Automatic stainless steel fluid pressure regulator** (outlet);
6. **Proportional valve** for automatic control of the fluid flow;
7. **Suction pipe** of the fluid;
8. **Bottom valve** with filter;
9. **Flexible connection pipe** for pump and suction pipe;
10. **Lid** made of PVC with handles;
11. Hinged **flap lid** with knob;
12. **Bucket** made of HDPE for the storage of the fluid;
13. **Float Level sensor** (optional) to indicate the minimum fluid level into the bucket.





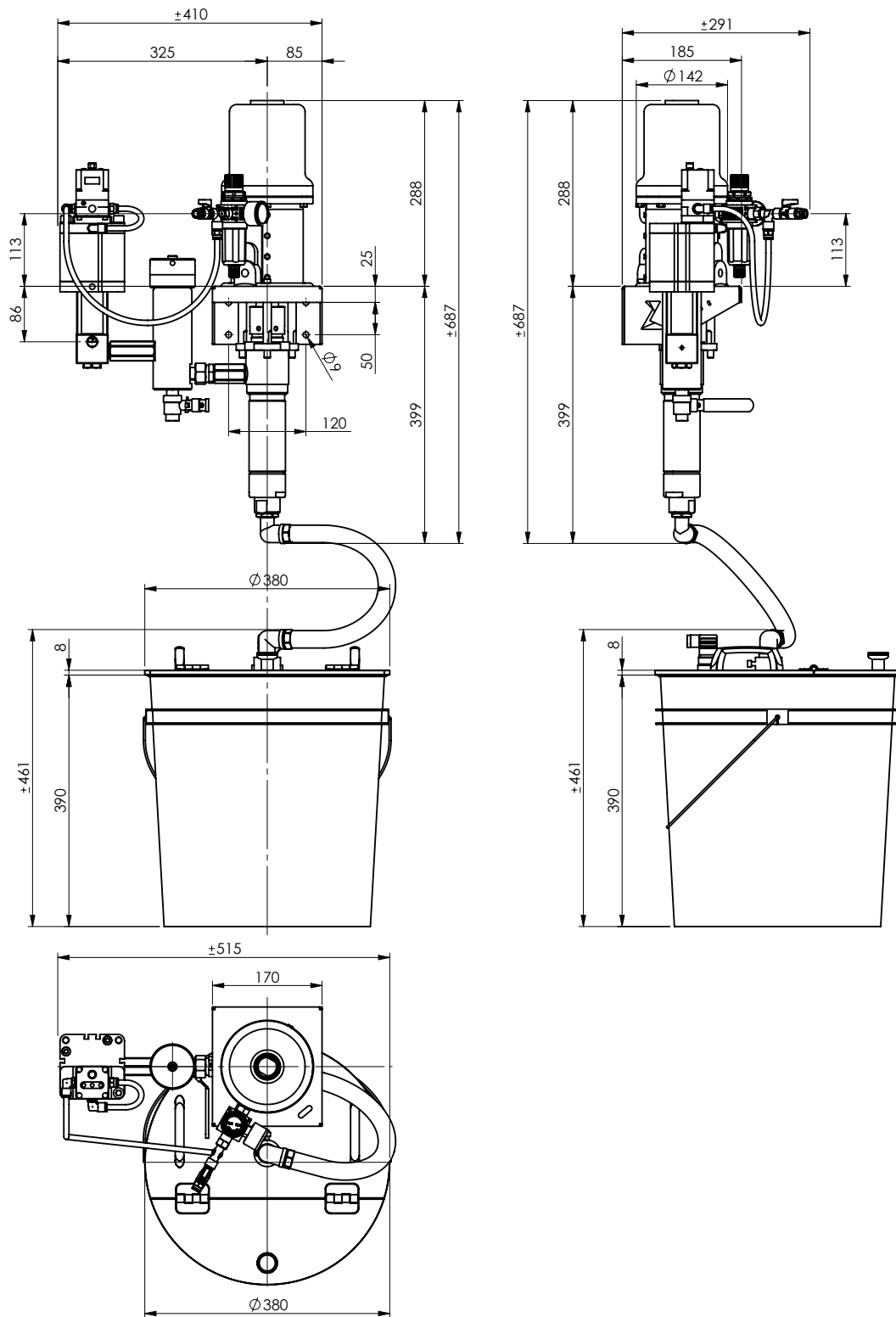
MODELS

code	description
A171001	Glue feed unit with piston pump, available with wall mount bracket (optional) or stand on wheels (optional). Stainless steel piston pump 5:1 ratio. Bucket with lid, suction pipe with filter, bottom valve, proportional valve, stainless steel filter/pulsation dampener and 5:1 automatic stainless steel pressure regulator





DIMENSIONS





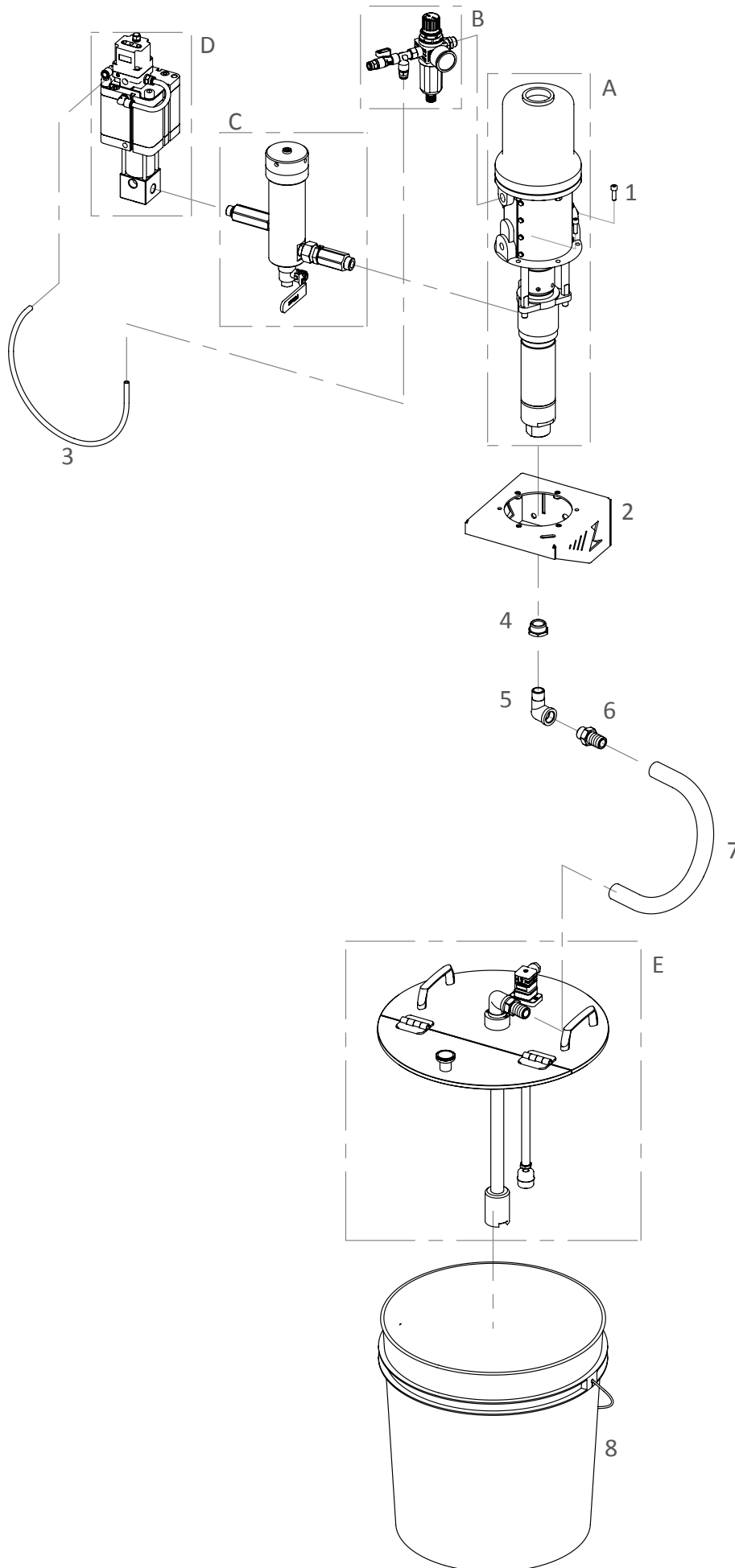
PARTS LIST

Glue feed unit

pos.	code	q.ty	description
A	PMPP0505000	1	Pump
B	ASM00102	1	Air inlet group
C	ASM00204	1	Filter group
D	ASM00301	1	Automatic fluid outlet group
E	BLA000201	1	Standard lid assembly
	BLA000202	1	Lid assembly level sensor version
1	SC00060201	2	Screw
2	SP20001	1	Pump bracket
3	TBP010609	1	Pipe
4	RRIQ1413	1	Fitting
5	RRIC1300	1	Fitting
6	RRJF1361	1	Fitting
7	TBP082419	1	Pipe
8	BCK000100	1	Bucket



GLUE FEED UNIT A171001

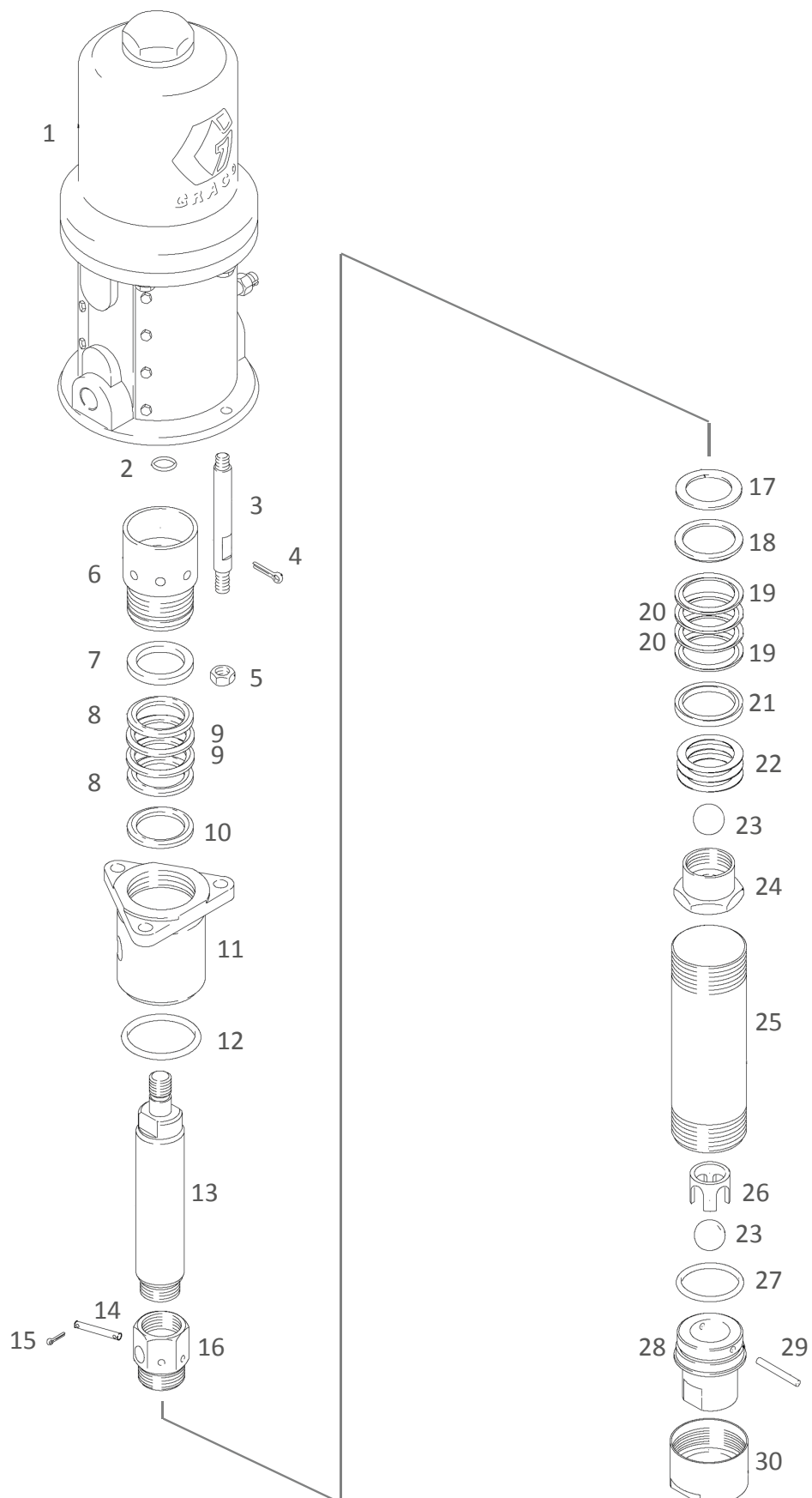


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Group A - Pump

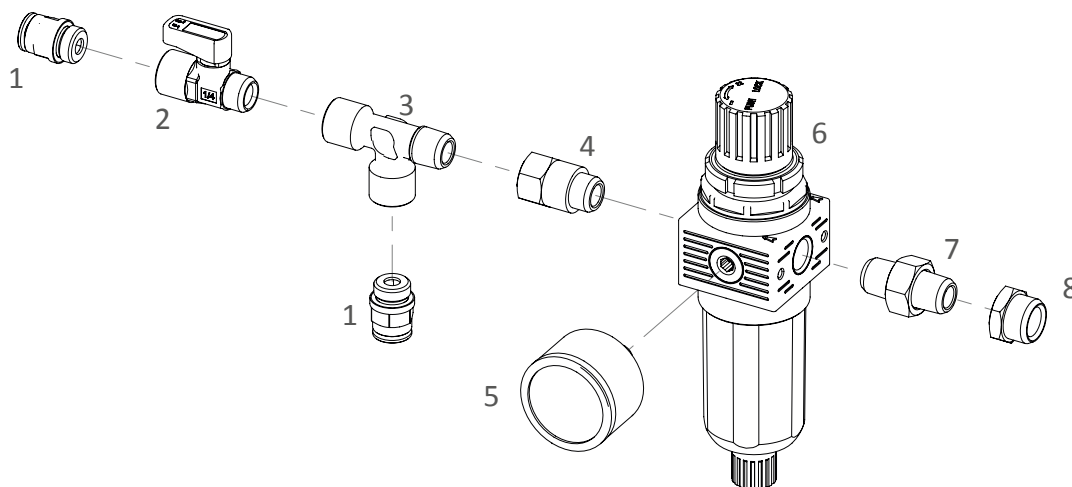
pos.	code	q.ty	description
1	205997	1	Air motor
2	156082	1	O-ring
3	24B289	3	Tie rod
4	101946	1	Pin
5	102021	3	Nut
6	186995	1	Gasket cup
7	186988	1	Gland
8	176639	2	Gasket
9	162866	2	Gasket
10	186987	1	Gland
11	205999	1	Pump body
12	164782	1	O-ring
13	24C506	1	Rod
14	176637	1	Pin
15	100063	2	Pin
16	176644	1	Stud
17	176634	1	Washer
18	186990	1	Gland
19	176638	2	Gasket
20	176635	2	Gasket
21	186989	1	Gland
22	190484	3	Gasket
23	101917	2	Ball
24	186993	1	Stud
25	24C505	1	Cylinder
26	164679	1	Guide
27	164846	1	O-ring
28	186992	1	Valve body
29	162947	1	Pin
30	164630	1	Nut
	224401	1	Repair kit





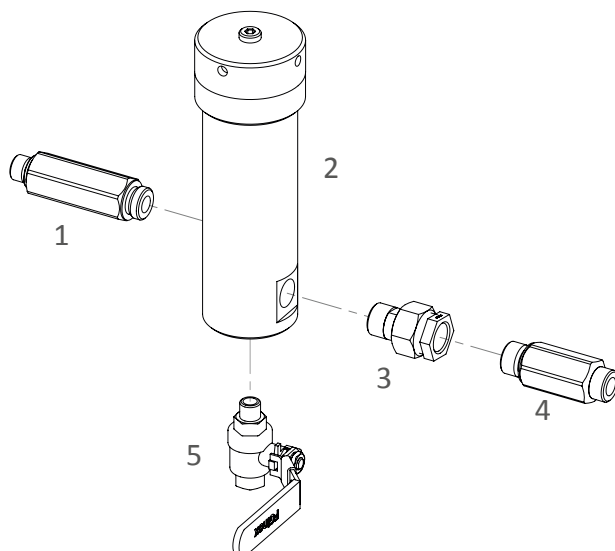
Group B - Air inlet group

pos.	code	q.ty	description
1	RRBZ1153	2	Fitting
2	RRMC1100	1	Ball valve
3	RRFH1100	1	Fitting
4	RRGA1100	1	Fitting
5	PGGA418210	1	Manometer
6	RROB1100	1	Air pressure regulator with filter
7	RRFO1100	1	Fitting
8	RRFQ1211	1	Fitting



Group C - Filter group

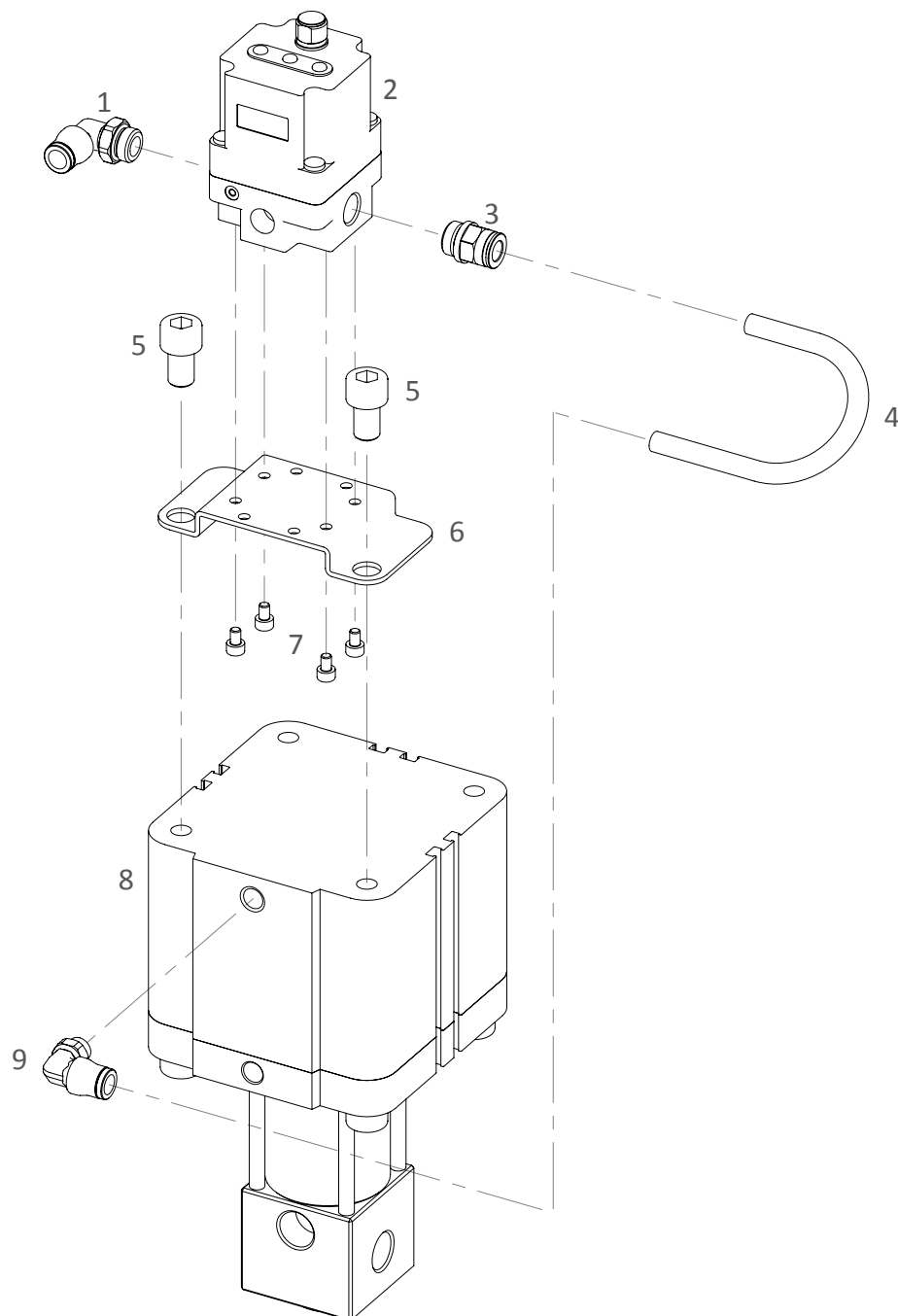
pos.	code	q.ty	description
1	RRZA1312	1	Fitting
2	K95518601	1	Stainless steel filter
3	RRJJ1300	1	Fitting
4	RRZA1383	1	Fitting
3	RRNC1100	1	Ball valve





Group D - Manual fluid outlet group

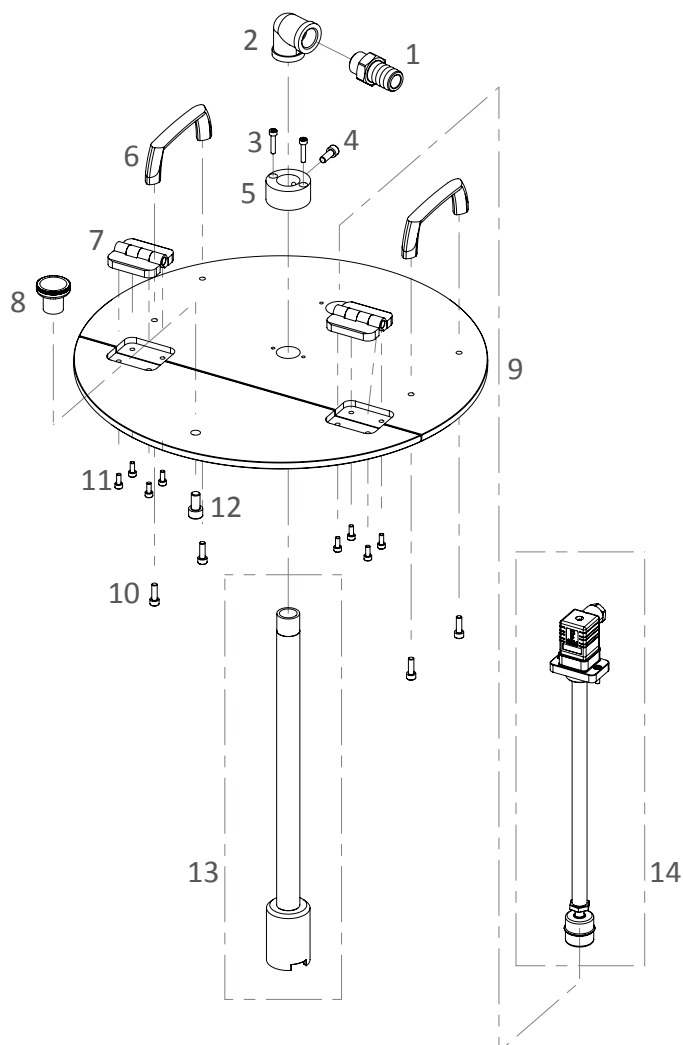
pos.	code	q.ty	description
1	RRCS1153	1	Fitting
2	K95451200	1	Proportional vale
3	RRBZ1153	1	Fitting
4	TBP010609	1	Pipe
5	SC00100161	2	Screw
6	SP20200	1	Proportional valve support
7	SC00040061	4	Screw
8	A19517200	1	Fluid stainless steel pressure regulator 5:1
9	RRCS1053	1	Fitting





Group E - Lid assembly

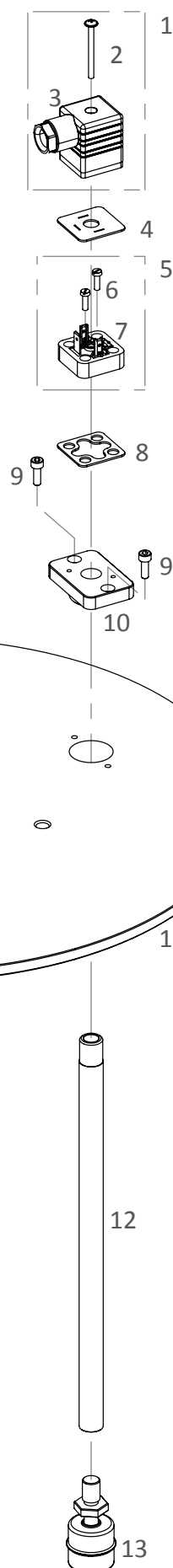
pos.	code	q.ty	description
1	RRJF1361	1	Fitting
2	RRIB1300	1	Fitting
3	SC00040201	2	Screw
4	SC00060161	1	Screw
5	BSH000021	1	Lock bush
6	HDL000001	2	Handle
7	HNG000001	2	Hinge
8	KNB000001	1	Knob
9	BLA000211	1	Standard plastic lid
	BLA000222	1	Plastic lid level sensor version
10	SC00050161	4	Screw
11	SC00040101	8	Screw
12	SC00080161	1	Screw
13	TBC00100	1	Suction pipe complete
14	A19910000	1	Level sensor complete





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



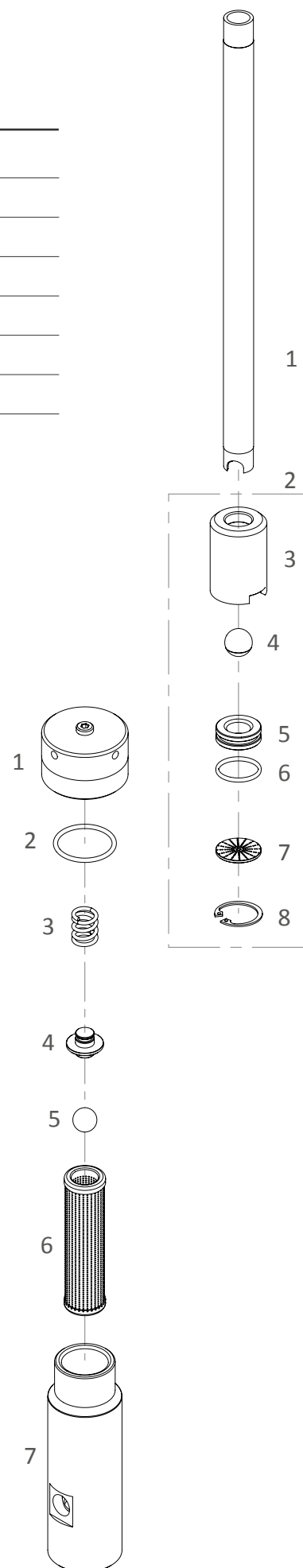


Suction pipe complete

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

Filter

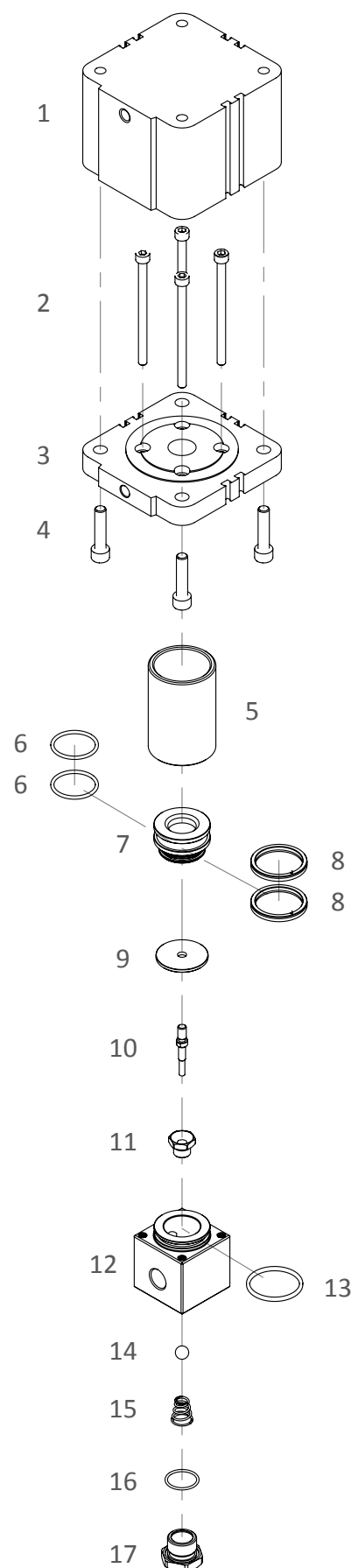
pos.	code	q.ty	description
1	BG000077	1	Filter cap
2	K92610372	1	Gasket
3	CCS000011	1	Spring
4	BST000012	1	Spring plate
5	BLL2000401	1	Ball
6	FLC03050	1	Filter cartridge
7	BG000076	1	Filter body





Automatic fluid pressure regulator

pos.	code	q.ty	description
1	BG000079	1	Pneumatic piston block
2	SC00060901	4	Screw
3	BG000078	1	Pneumatic piston plate
4	SC00080201	4	Screw
5	BG000065	1	Cylinder
6	K92012802V	2	O-ring
7	PST000020	1	Piston
8	K92214001	2	Gasket
9	WSH000015	1	Washer
10	NST007600	1	Piston rod
11	BST000011	1	Ball seat
12	BG000063	1	Fluid pressure regulator body
13	K92013301V	1	O-ring
14	BLL0950601	1	Ball
15	CCS000008	1	Spring
16	K92012003	1	O-ring
17	SGR000008	1	Plug



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Datasheet
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