

# GFUP02011

glue feed unit



**Zator**  
gluing solutions

**DATASHEET**





## TECHNICAL DESCRIPTION

Glue feed unit with pneumatic piston pump 2:1 ratio equipped with: suction pipe with filter and bottom valve, 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 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

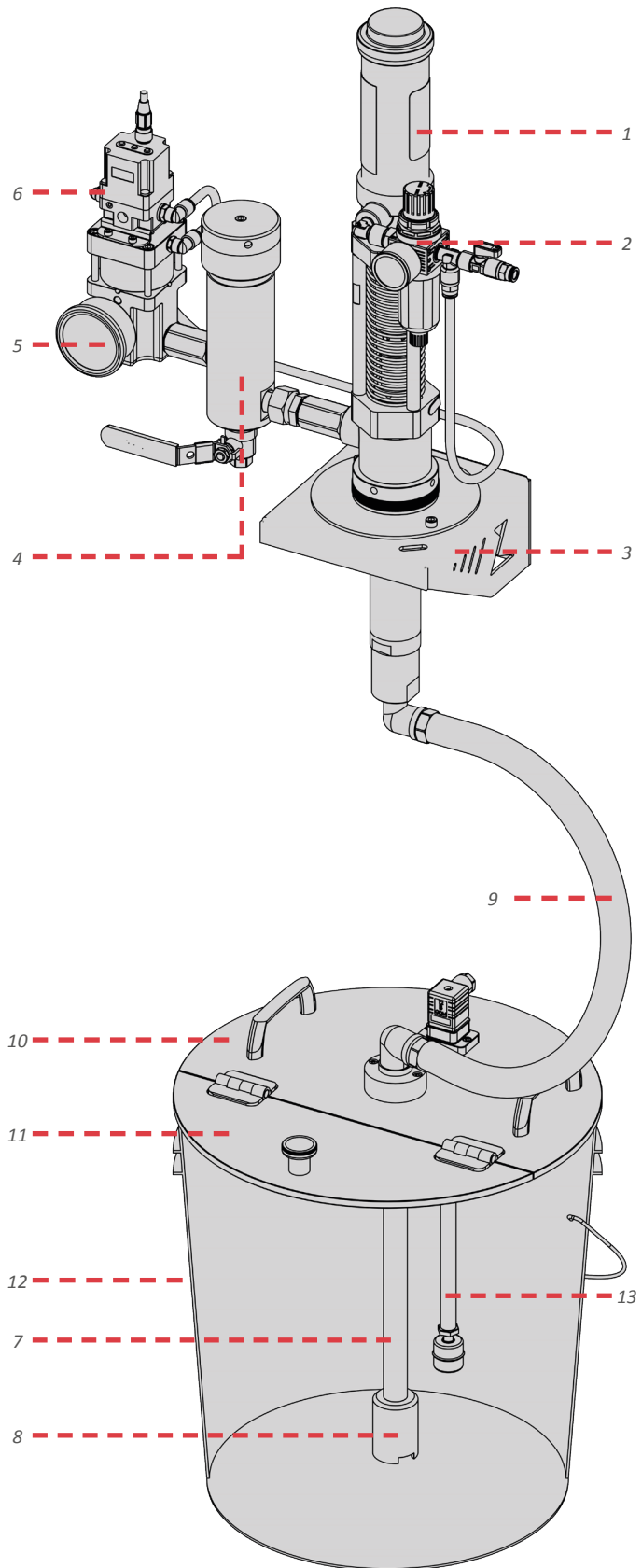
### technical data

|                         |                  |
|-------------------------|------------------|
| Pump ratio              | 2:1              |
| Line air supply         | max 6 bar        |
| Air inlet connection    | G1/4"            |
| Proportional valve      | 0-20 mA          |
| Maximum fluid viscosity | ~ 2.500 mPa·s    |
| Working pressure        | from 1 to 12 bar |
| Fluid outlet connection | G1/2"            |
| Weight (tare)           | 21 Kg            |
| Bucket capacity         | 28 liters        |

# FUNCTIONS AND COMPONENTS

The glue feed unit GFUP02011 is composed mainly of:

1. **Double effect pneumatic piston pump** with 2:1 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.





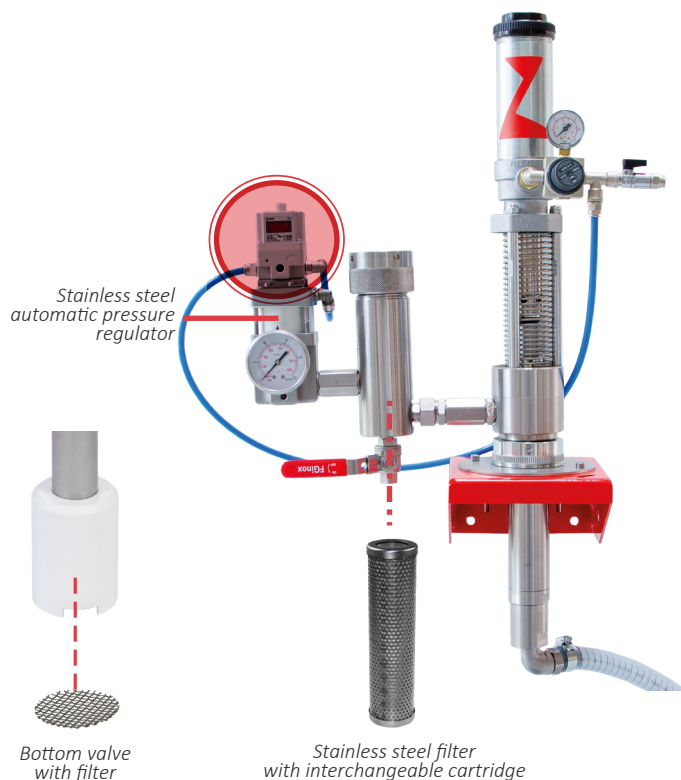
# MODELS

## code

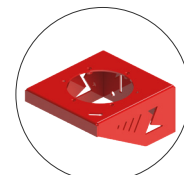
## description

GFUP02011

Glue feed unit with piston pump, available with wall mount bracket (optional) or stand on wheels (optional). Stainless steel piston pump 2:1 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



Float level sensor kit



Wall mount bracket

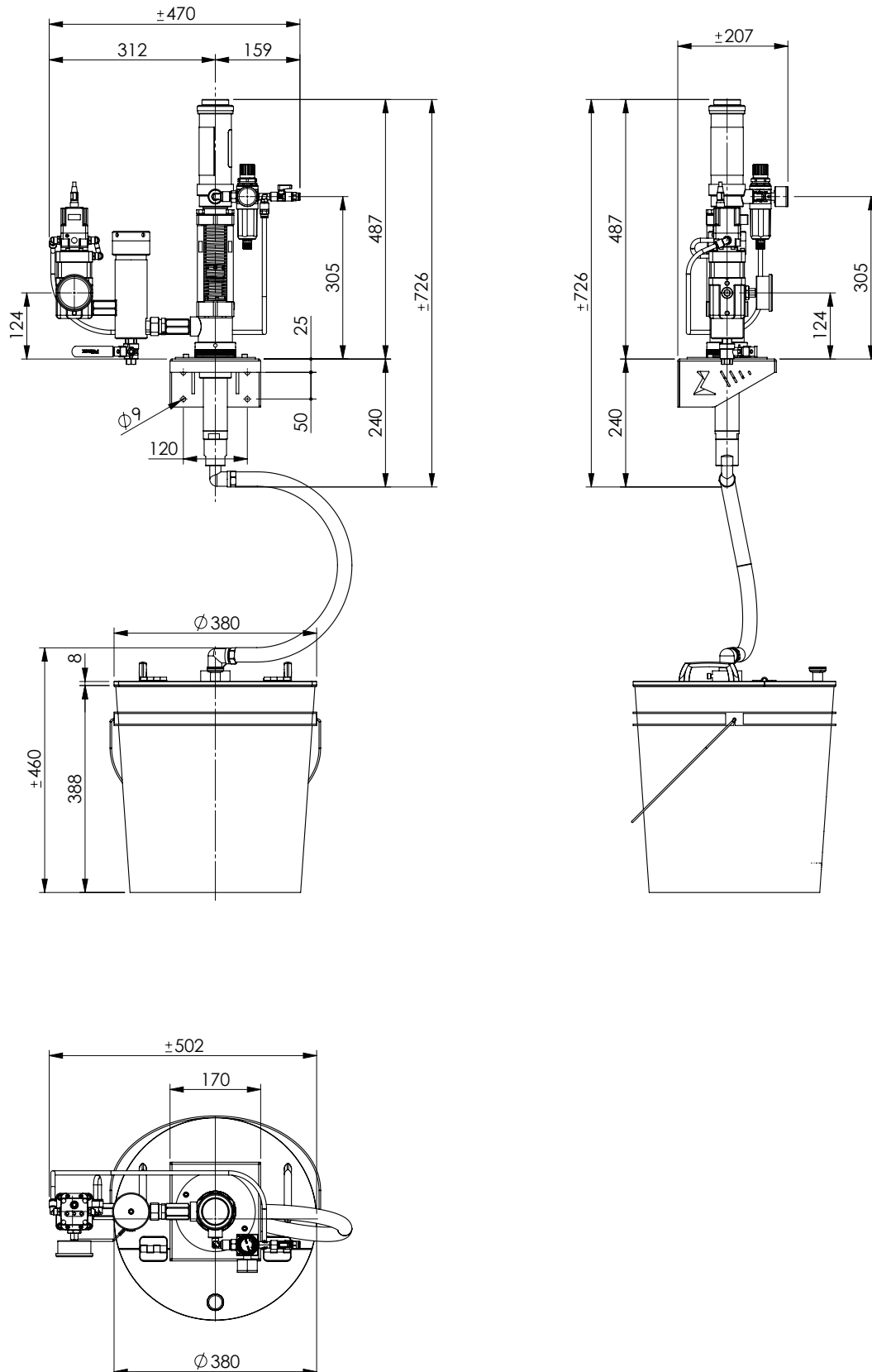


Stand

Available options



# DIMENSIONS





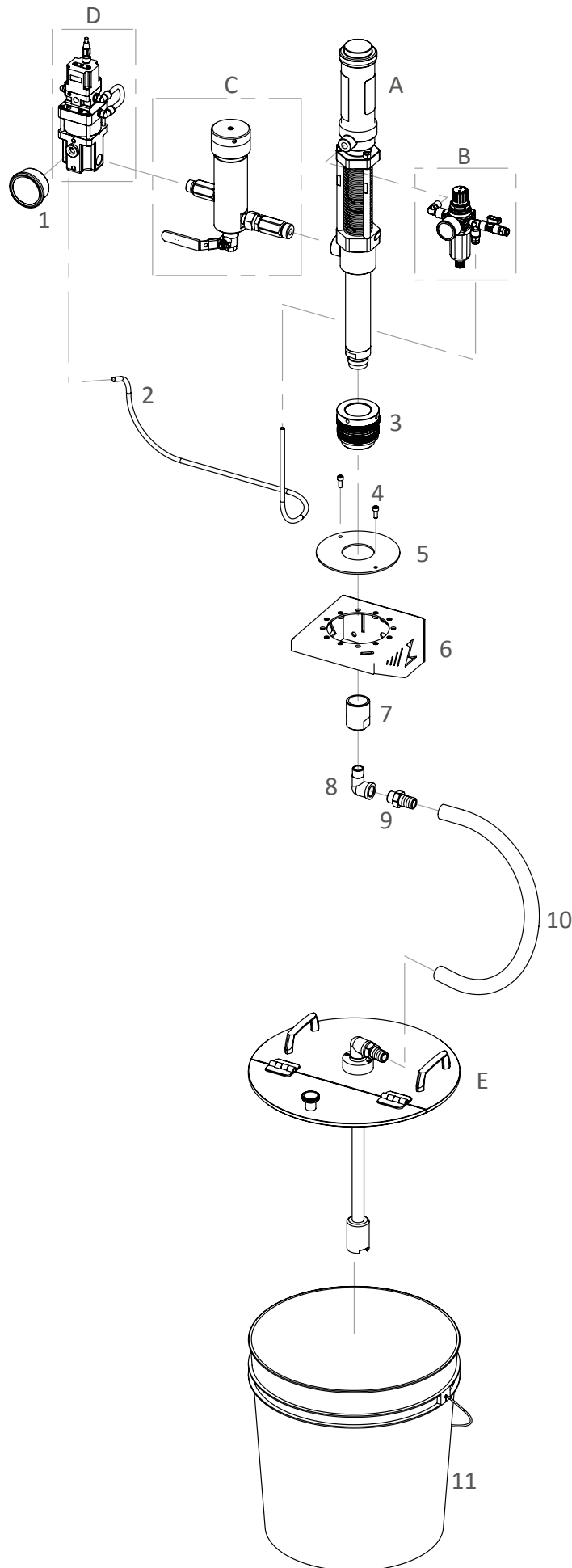
# PARTS LIST

## Glue feed unit

| pos. | code       | q.ty | description                       |
|------|------------|------|-----------------------------------|
| A    | PMPP02070  | 1    | Pump                              |
| B    | GRI020021  | 1    | Air inlet group                   |
| C    | GRF150501  | 1    | Filter group                      |
| D    | GRO105051  | 1    | Automatic fluid outlet group      |
| E    | BLA000201  | 1    | Standard lid assembly             |
|      | BLA000202  | 1    | Lid assembly level sensor version |
| 1    | PGGA614521 | 1    | Manometer                         |
| 2    | TBP010609  | 1    | Pipe                              |
| 3    | BSG001050  | 1    | Lock nut                          |
| 4    | SC00060161 | 2    | Screw                             |
| 5    | SP10104    | 1    | Flange                            |
| 6    | SP20001    | 1    | Pump bracket                      |
| 7    | RRIT1309   | 1    | Fitting                           |
| 8    | RRIC1300   | 1    | Fitting                           |
| 9    | RRJF1361   | 1    | Fitting                           |
| 10   | TBP082419  | 1    | Pipe                              |
| 11   | BCK000100  | 1    | Bucket                            |



# GLUE FEED UNIT GFUP02011



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## Group A - Pump

pos. code q.ty description

|    |      |   |                           |
|----|------|---|---------------------------|
| 1  | 3301 | 1 | Cylinder plug             |
| 2  | 3303 | 1 | Upper spring              |
| 3  | 3302 | 2 | Plug gasket <sup>1</sup>  |
| 4  | 3304 | 1 | Motor cylinder            |
| 5  | 3621 | 1 | Motor piston <sup>1</sup> |
| 6  | 3312 | 1 | Washer                    |
| 7  | 3313 | 1 | Lower spring              |
| 8  | 3638 | 1 | Plug                      |
| 9  | 3624 | 1 | Upper rod                 |
| 10 | 3634 | 1 | Spring                    |
| 11 | 3635 | 1 | Muffler                   |
| 12 | 3314 | 1 | Gasket <sup>1</sup>       |
| 13 | 3623 | 1 | Motor housing             |
| 14 | 3417 | 1 | Nut                       |
| 15 | 3852 | 1 | Inox washer               |
| 16 | 3435 | 1 | V-pack gasket             |
| 17 | 3645 | 1 | O-ring                    |
| 18 | 3647 | 1 | Pin                       |
| 19 | 3854 | 1 | Lower rod                 |
| 20 | 3637 | 3 | Nut                       |
| 21 | 3636 | 3 | Tie rod                   |
| 22 | 3606 | 1 | Protection spring         |

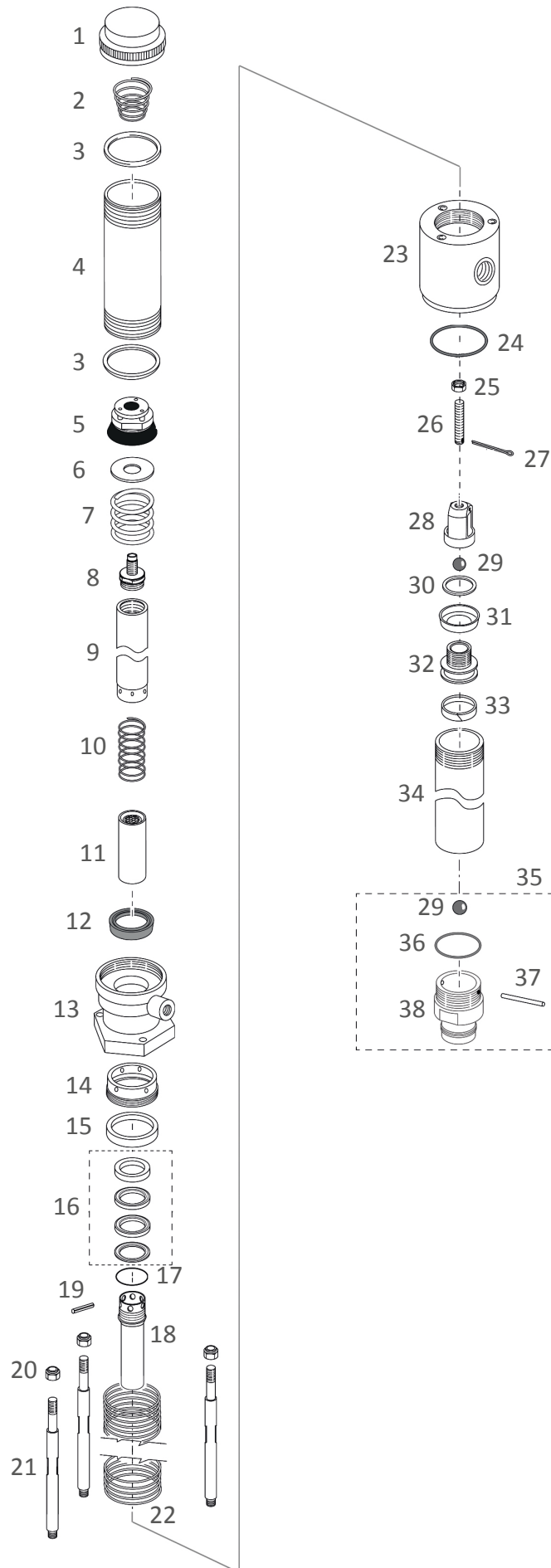
pos. code q.ty description

|    |       |   |                         |
|----|-------|---|-------------------------|
| 23 | 3855  | 1 | Pump body               |
| 24 | 3421  | 1 | O-ring                  |
| 25 | 3862  | 1 | Nut                     |
| 26 | 3867  | 1 | Tie rod                 |
| 27 | 3805  | 1 | Pin                     |
| 28 | 3859  | 1 | Upper piston            |
| 29 | 98053 | 2 | Ball                    |
| 30 | 3860  | 1 | Washer                  |
| 31 | 3752  | 1 | Gasket                  |
| 32 | 3861  | 1 | Lower piston            |
| 33 | 3756  | 1 | Ring guide              |
| 34 | 3866  | 1 | Material cylinder       |
| 35 | 3868  | 1 | Bottom valve            |
| 36 | 3429  | 1 | O-ring                  |
| 37 | 3863  | 1 | Pin                     |
| 38 | 3869  | 1 | Bottom valve body       |
|    | 40025 | 1 | Repair kit <sup>1</sup> |



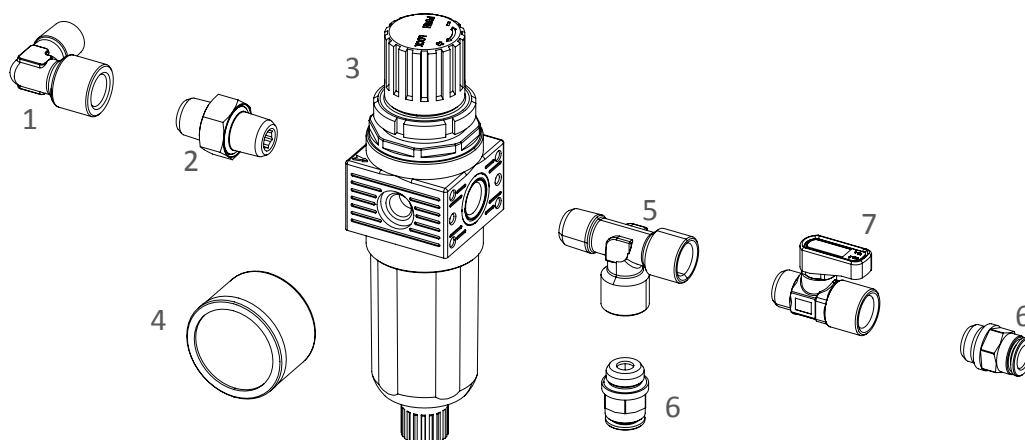


# GLUE FEED UNIT GFUP02011



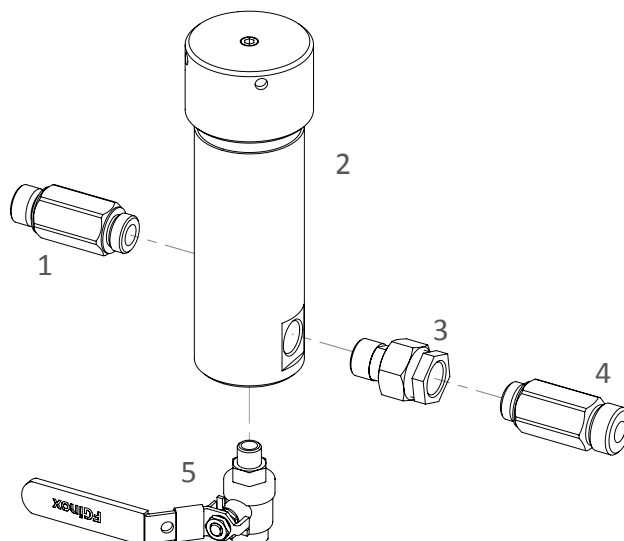
## Group B - Air inlet group

| pos. | code       | q.ty | description                        |
|------|------------|------|------------------------------------|
| 1    | RRFC1100   | 1    | Fitting                            |
| 2    | RRFO1100   | 1    | Fitting                            |
| 3    | RROB1100   | 1    | Air pressure regulator with filter |
| 4    | PGGA418210 | 1    | Manometer                          |
| 5    | RRFH1100   | 1    | Fitting                            |
| 6    | RRBZ1153   | 2    | Fitting                            |
| 7    | RRMC1100   | 1    | Ball valve                         |



## Group C - Filter group

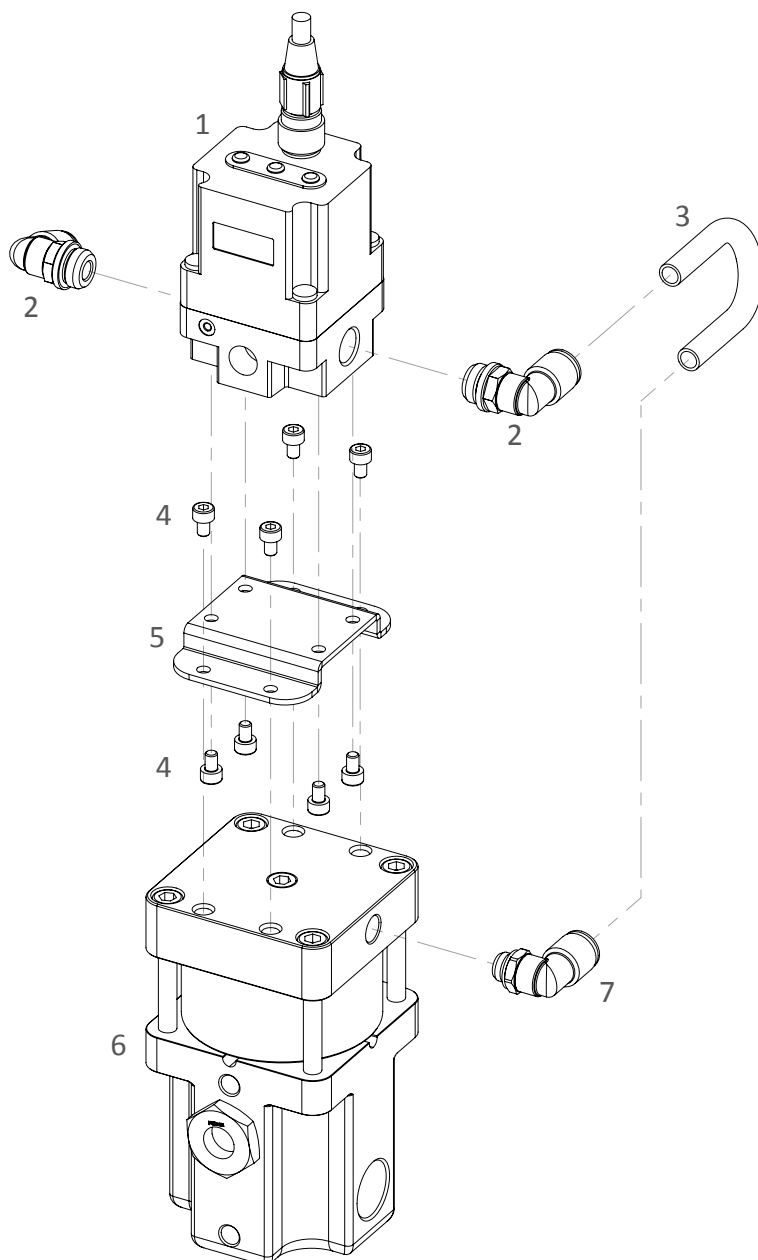
| pos. | code      | q.ty | description            |
|------|-----------|------|------------------------|
| 1    | RRZA1313  | 1    | Fitting                |
| 2    | K95518600 | 1    | Stainless steel filter |
| 3    | RRJJ1300  | 1    | Fitting                |
| 4    | RRZA1413  | 1    | Fitting                |
| 5    | RRNC1100  | 1    | Ball valve             |





## Group D - Automatic fluid outlet group

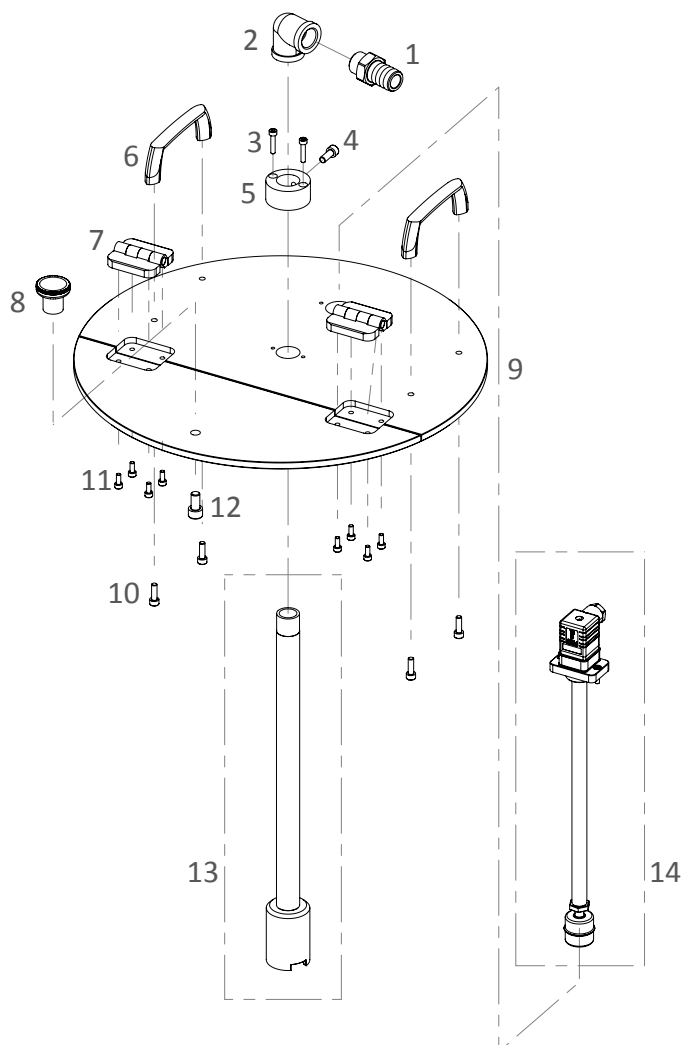
| pos. | code       | q.ty | description                                  |
|------|------------|------|----------------------------------------------|
| 1    | K95451200  | 1    | Proportional valve                           |
| 2    | RRCS1153   | 2    | Fitting                                      |
| 3    | TBP010609  | 1    | Pipe                                         |
| 4    | SC00040061 | 8    | Screw                                        |
| 5    | BRC001001  | 1    | Proportional valve support                   |
| 6    | FPR105050  | 1    | Fluid stainless steel pressure regulator 5:1 |
| 7    | RRCS1053   | 1    | Fitting                                      |





## Group E - Lid assembly

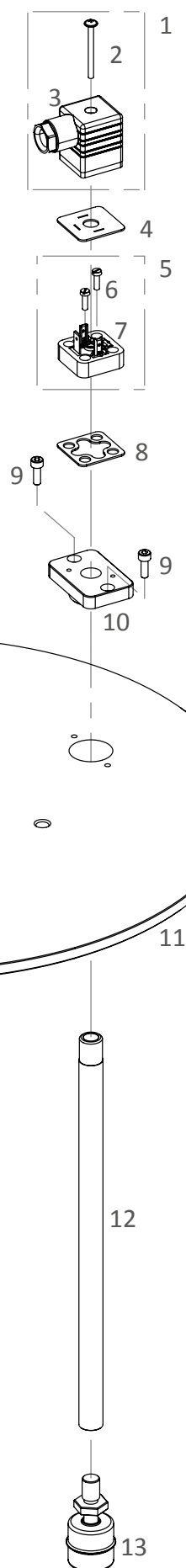
| pos. | code       | q.ty | description                      |
|------|------------|------|----------------------------------|
| 1    | RRJF1361   | 1    | Fitting                          |
| 2    | RRIB1300   | 1    | Fitting                          |
| 3    | SC00040201 | 2    | Screw                            |
| 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    | CNN220F00  | 1    | Female connector complete        |
| 2    | SC84030351 | 1    | Screw                            |
| 3    | CNN220F01  | 1    | Female connector                 |
| 4    | GSK000016  | 1    | Gasket                           |
| 5    | CNN230M00  | 1    | Male connector complete          |
| 6    | SC01030101 | 2    | Screw                            |
| 7    | CNN230M01  | 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                         |



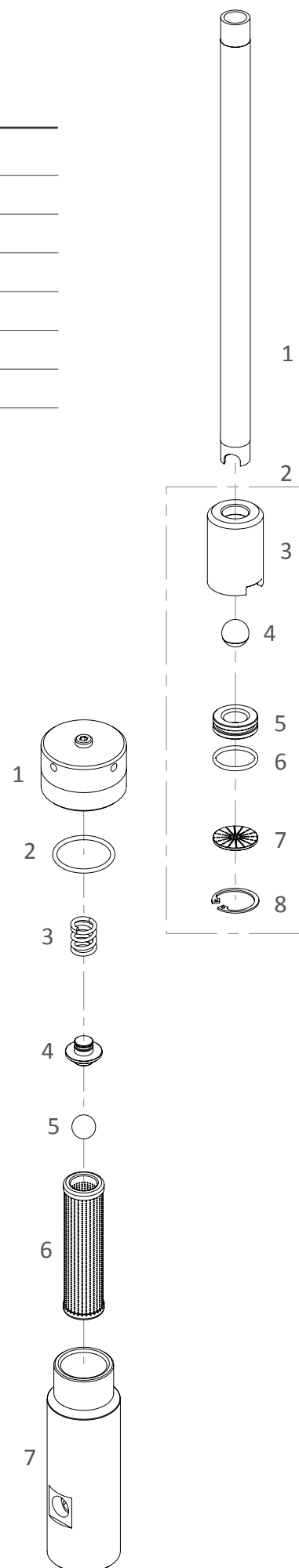


## Suction pipe complete

| 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    | RNG000120E | 1    | O-ring                |
| 7    | FLT000010  | 1    | Filter                |
| 8    | SGG503201  | 1    | Seeger                |

## Filter

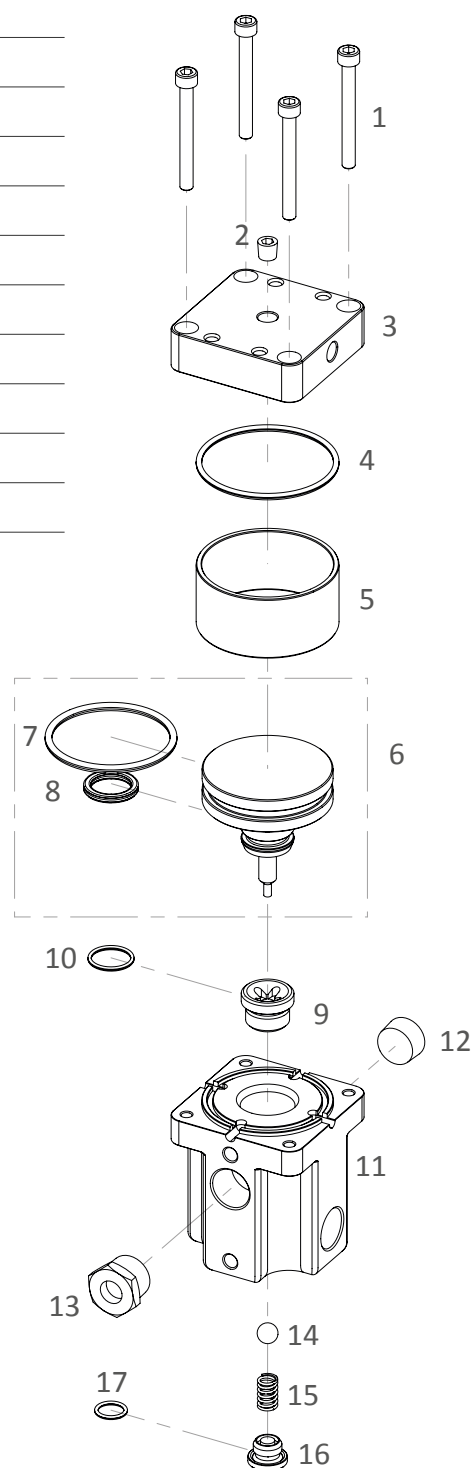
| pos. | code       | q.ty | description      |
|------|------------|------|------------------|
| 1    | BG000077   | 1    | Filter cap       |
| 2    | RNG440X35E | 1    | Gasket           |
| 3    | CCS000011  | 1    | Spring           |
| 4    | BST000012  | 1    | Spring plate     |
| 5    | BLL2000401 | 1    | Ball             |
| 6    | FLC030050  | 1    | Filter cartridge |
| 7    | BG000076   | 1    | Filter body      |





## Automatic fluid pressure regulator

| pos. | code       | q.ty | description           |
|------|------------|------|-----------------------|
| 1    | SC04060551 | 4    | Screw                 |
| 2    | RRIX1000   | 1    | Plug                  |
| 3    | BG001001   | 1    | Upper regulator block |
| 4    | RNG000142E | 1    | O-ring                |
| 5    | BG001004   | 1    | Cylinder              |
| 6    | PST001001  | 1    | Piston complete       |
| 7    | RNG000833E | 1    | O-ring                |
| 8    | QRN000210E | 1    | X-ring                |
| 9    | BST001000  | 1    | Ball seat             |
| 10   | RNG000017E | 1    | O-ring                |
| 11   | BG001000   | 1    | Lower regulator block |
| 12   | RRIX1300   | 1    | Plug                  |
| 13   | RRIP1311   | 1    | Fitting               |
| 14   | BLL0950601 | 1    | Ball                  |
| 15   | CCS000401  | 1    | Spring                |
| 16   | SGR001000  | 1    | Plug                  |
| 17   | RNG000013V | 1    | O-ring                |



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