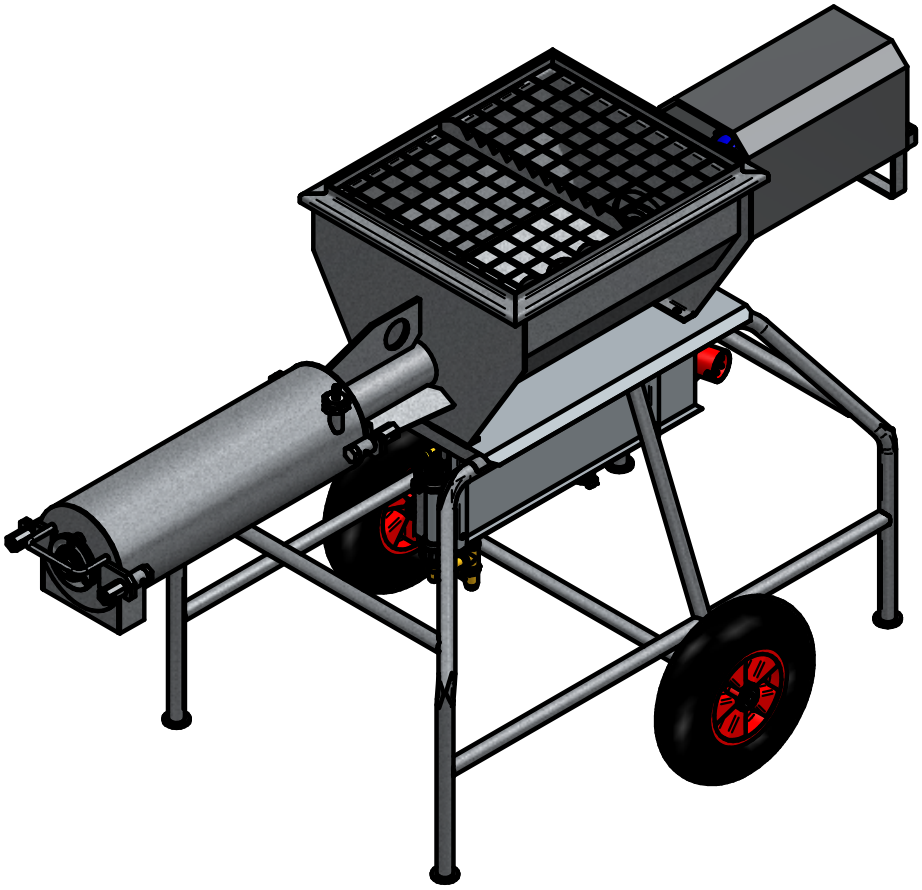

SPR 40
OPERATION MANUAL

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The continuous mixer SPR 40 is designed for mixing plaster mixes with a maximum particle size of 3 – 4 mm. The mixer can be used with materials that do not require double mixing. It can be mounted on plaster sprayers SPR 50 and SPR 75 or on a separate frame.

The mixer requires a connection to a water system (minimum pressure 3 bar). The water control valve on the device allows for maintaining consistent water pressure and adjusting the amount of water as needed.

There is a cutting edge on top of the container for opening plaster bags. Mixing of plaster occurs in the mixer's mixing tube. The premixed mixture flows into the plaster sprayer's container. The SPR 40 continuous mixer is easily disassembled for cleaning.

Technical data

Motor	4 kW
Supply voltage	380 V, 3 phase
Fuse	25 A
Capacity	40 l/min
Speed	270 r/min
Water requirement	Hose ID 16, pressure min 3 bar
Filling height	1,15 m
Measures	2200 x 970 x 1250 mm
Weight	150 kg

1. Safety Requirements

1.1. The device may only be operated by personnel who have received proper training and are familiar with this manual.

1.2. During operation, no unauthorized persons should be near the device.

1.3. It is prohibited to operate the device without the container guard.

1.4. Use proper electrical cables and regularly check the electrical system's condition.

1.5. Always disconnect the device from the power supply before cleaning or maintenance work.

1.6. To clean the mixer’s output, stop the mixer and disconnect it from the power supply.

2. Preparing the Device for Operation and Starting

2.1. Place the device on a horizontal and level surface. Find the most convenient and appropriate position for the mixer in relation to the plaster sprayer. The mixer output must be aligned with the center of the plaster sprayer's container.

2.2. Remove the wheels. Loosen the wing bolts on the axle tube, lift the rear end of the device, and pull the wheels along with the axle out of the axle tube.

2.3. Connect the water hose to the coupling (part no. 1, figure 3), recommended internal diameter 16mm. The water system must provide sufficient water volume and pressure (3 bar).

2.4. Connect the power cable to the device plug (part no. 2, figure 2).

2.5. Check the correct rotation direction of the mixer shaft. If you stand behind the device (motor side), the shaft should rotate counterclockwise. By pressing the green MOTOR ON button on the

electric switch (part no. 5, figure 2), the device starts. By pressing the red MOTOR OFF button (part no. 5, figure 2), the motor stops. To change the rotation direction of the shaft, stop the device. Disconnect the power cable from the plug (part no. 2, figure 2). The wall socket on the electric shield is reversible. Using a screwdriver, change the phase sequence if necessary, which will change the rotation direction of the mixer shaft.

2.6. Check the water system for functionality. First, turn all taps to the closed position. Disconnect one end of the short hose (part no. 25, figure 1) going to the mixer tube . Open the water system's input valve (part no. 6, figure 3) and slightly open the water quantity regulating gate valve (part no. 11, figure 3). Connect the power cable to the device. By pressing the green WATER VALVE button (part no. 3, figure 2), water should come out from the water system output. During operation, water supply will start automatically when the reduction motor is activated. The water quantity can be adjusted with the gate valve (part no. 11, figure 3).

2.7. Connect the short water hose to the mixer tube (part no. 24, part no. 25, figure 1). Fully open the water quantity regulating gate valve (part no. 11, figure 3).

2.8. Place a mix bag onto the mixer protective grid cover and cut it with the cutter. Empty 4-5 bags into the container.

2.9. Start the device by pressing the green MOTOR ON button on the switch (part no. 5, figure 2).

2.10. After a moment, the mixture will begin to flow out of the mixer tube. Adjust the mixture's viscosity with the water quantity regulating wedge valve.

2.11. Regularly load the container with dry mix.

2.12. To stop the device, press the MOTOR OFF button (part no. 5, figure 2). In case of an emergency, press the EMERGENCY STOP button (part no. 4, figure 2). To reset the EMERGENCY STOP, turn the button slightly clockwise.

2.13. After completing the work, clean the device immediately.

3. Cleaning the Device

3.1. Disconnect the device from the power supply.

3.2. Loosen the nuts (part no. 4, figure 1) on the mixer tube end plate and remove the end plate (part no. 20, figure 1).

3.3. Remove the container protective grid (part no. 16, figure 1).

3.4. Remove the mixer shaft scraper pins and remove the scraper (part no. 19, figure 1).

3.5. Pull the mixer axle (part no. 14, figure 1) out of the device.

3.6. Loosen the nuts securing the mixer tube and remove the mixer chamber (part no. 13, figure 1).

3.7. Open the locking device on the motor flange (part no. 7, figure 1) and move the motor aside. Clean the container bottom of dry mix.

3.8. Use pressurized water and a brush to clean the mixer shaft and mixer tube.

3.9. After washing the parts, reassemble the device. First, rotate the reduction motor back to its working position and lock it. Then install the mixer chamber (part no. 13, figure 1), mixer axle (part no. 14, figure 1), and end plate (part no. 20, figure 1). Ensure that the nuts (part no. 4, figure 1) are tightened securely. Install the scraper (part no. 19, figure 1) and the container protective grid (part no. 16, figure 1).

3.10. Cover the dry mix container to prevent water from entering the container.

3.11. Clean the electrical components and the water system externally.

3.12. In case of freezing temperatures, the water system of the device must be emptied of water. To do this, open the valves (part no. 3, 6, 10, figure 3).

4. Maintenance

4.1. Clean the device thoroughly daily, lubricate the threads with waterproof grease.

4.2. Use a grease gun to inject grease into the sealing housing (part no. 3, figure 1) of the drive shaft of the gearbox .

4.3. Regularly check the electrical system for proper function.

4.4. Clean the axle tube openings and the axle shafts.

5. Recommendations

5.1. Always start water quantity regulation with a larger amount.

5.2. It takes some time for changes in mixture viscosity to take effect.

5.3. If the device is used outdoors, cover the container during rain.

5.4. Proper cleaning of the device prolongs its service life.

5.5. Contact the manufacturer for troubleshooting.

6. Warranty

The manufacturer provides a 1 (one) year warranty from the date of sale. The warranty covers defects caused by manufacturing errors. The warranty does not cover:

- Parts that wear out due to abrasion (mixer shaft, scraper)
- Mechanical damages
- Malfunctions caused by improper cleaning of the device
- Damage caused by foreign objects entering the container
- Freezing damage
- Other malfunctions caused by non-compliance with the instructions by the user

Device Serial Number:

Date of Sale:

Figure 1

Continuous mixer SPR 40

Part no	Item no	Description	Quantity
1	40.00.001	Driven shaft	1
2	40.00.002	Fixing ring	1
3	40.00.003	Housing	1
4	40.00.004	Nut	4
5	40.00.008	Wiper 55 x 70 x 7/10	1
6	40.00.009	Simmerling 55 x 72 x 8	1
7	40.00.010	Gearmotor SK25F-112M/4	1
8	40.00.011	Bearing	1
9	40.01.000	Container	1
10	40.02.000	Frame	1
11	40.02.100	Axle	2
12	10602	Wheel	2
13	40.03.000	Mixer chamber	1
14	40.04.000	Mixel axle	1
15	40.05.000	Flange	1
16	40.06.000	Protection grid	1
17	40.07.000	Fixing handle	1
18	40.08.000	Motor cover	1
19	40.09.000	Scraper	1
20	40.10.000	Plate	1
21	40.10.100	Mixer axle support	1
22	40.11.000	Electrical system	1
23	40.12.000	Water system	1
24	40.12.001	Coupling 1/2"	2
25	40.12.015	Coupling 16 mm	1

Figure 1

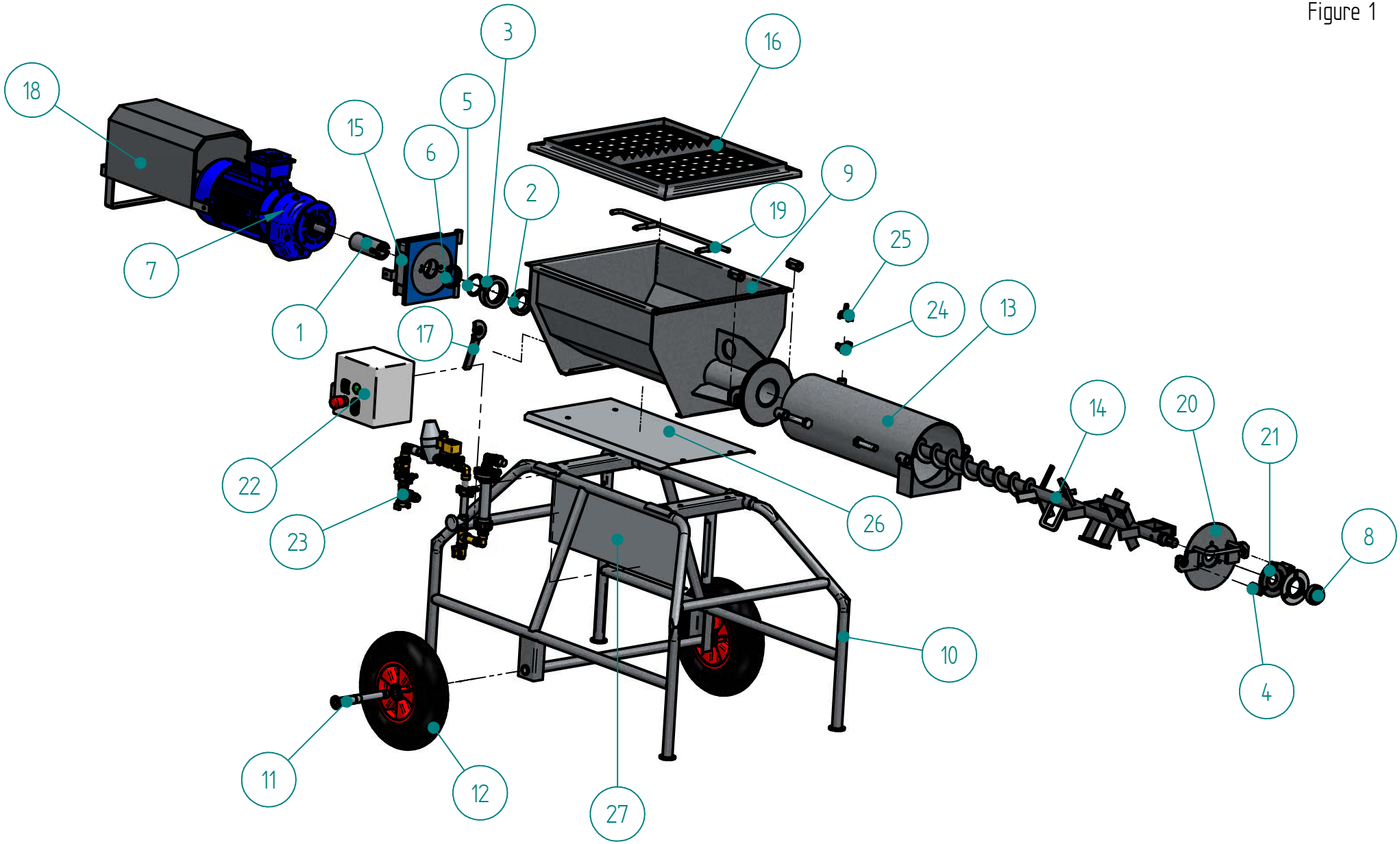
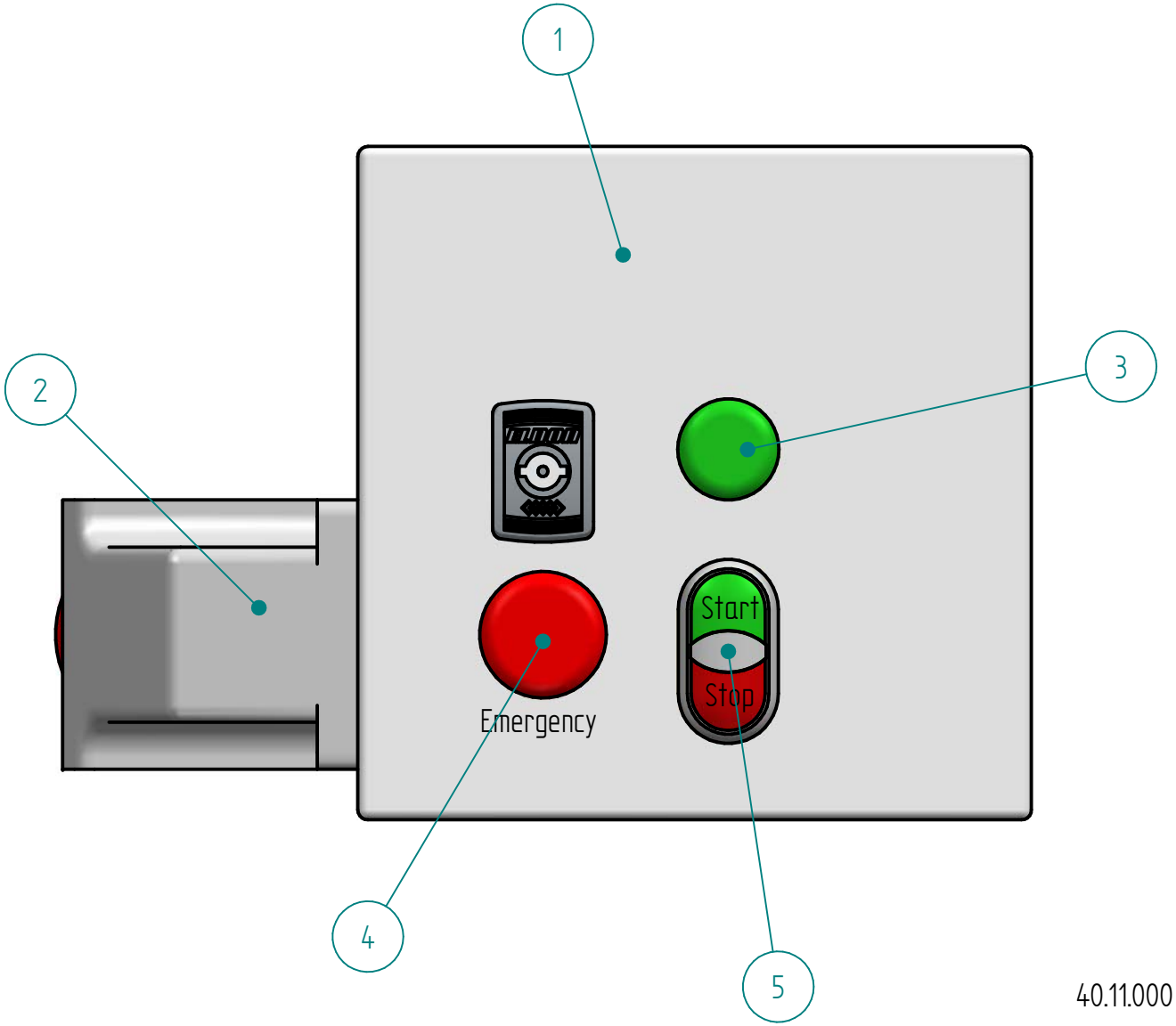


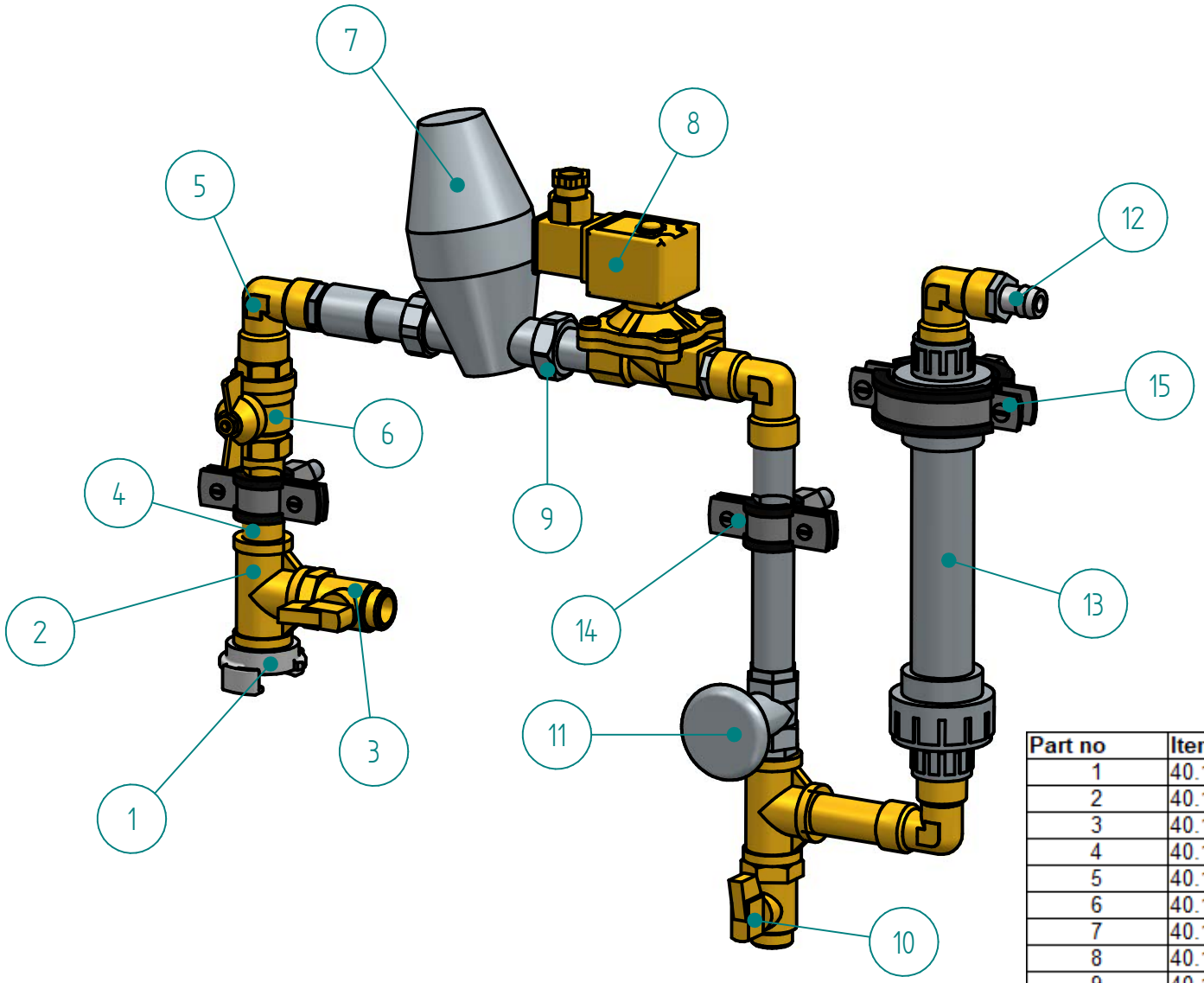
Figure 2



40.11.000 Electrical box

Part no	Item no	Description	Quantity
1	40.11.001	Electrical box	1
2	40.11.003	Phase switch receiver plug 16A 400V	1
3	10427	Green lamp	1
4	10426	Emergency STOP button	1
5	40.11.004	START – STOP switch	1

Figure 3



40.12.000 Water system

Part no	Item no	Description	Quantity
1	40.12.001	Coupling 1/2"	2
2	40.12.002	Three way 1/2"	2
3	40.12.003	Valve 1/2"	1
4	40.12.004	Nipple 1/2" 65 mm	2
5	40.12.005	Elbow coupling 1/2"	4
6	40.12.006	Valve 1/2"	1
7	40.12.009	Pressure reducing valve	1
8	40.12.010	Solenoid valve	1
9	40.12.011	Nut	1
10	40.12.012	Valve mini 1/2"	1
11	40.12.013	Gate valve	1
12	40.12.014	Coupling 1/2" 16 mm	1
13	40.12.025	Flow meter	1
14	40.12.020	Clamp 20-26 mm	2
15	40.12.022	Clamp 54-62 mm	1