

1. Installation

1.1 Preparation for installation

Take the device out of the packaging and inspect for damage.

A number of accessories can be found in the upper part of the packaging of the device:

- Connecting hose
- Renegite
- Safety booklet

Read the safety booklet.

At least you need the following:

- Electronic scales
- Two jugs (minimum 1 litre)

The installation procedure contains two calibration programs, flow and temperature.

Do not interrupt these programs.

The device heats the water twice to a set temperature, this will take some time.

Below is a time *indication* (the temperature variables of the tap water and the device are not included).

Heating during calibration	SGH		SGL		TWH		TWL	
	230V	400V	230V	400V	230V	400V	230V	400V
1 st heating time (fig. 17 - 18)	18 min.	13 min.	13 min.	9 min.	38 min.	28 min.	27 min.	20 min.
2 nd heating time (fig. 52 - 55)	31 min.	29 min.	30 min.	28 min.	53 min.	50 min.	51 min.	49 min.

1.2 Begin installation

The first program is a single state where you can set the user settings and execute temperature and flow calibration.

An operator / service engineer can configure all settings at once.

The standard boiler fill and heating control are disabled.

The next values are configured during the first start program (see page 2):

- Volume unit type*
- Temp unit type*
- Water filter flow threshold*
- Water filter age threshold*
- Descale threshold* (see also page 6)
- Cleaning threshold*
- Desired language*
- Actual date
- Actual time

Buttons

With the buttons, you can navigate through the menus of the machine.

1. Hold the M button 1 second to confirm a choice in a menu level.
Press the M button briefly to proceed to the next menu level.
2. LEFT/RIGHT button.



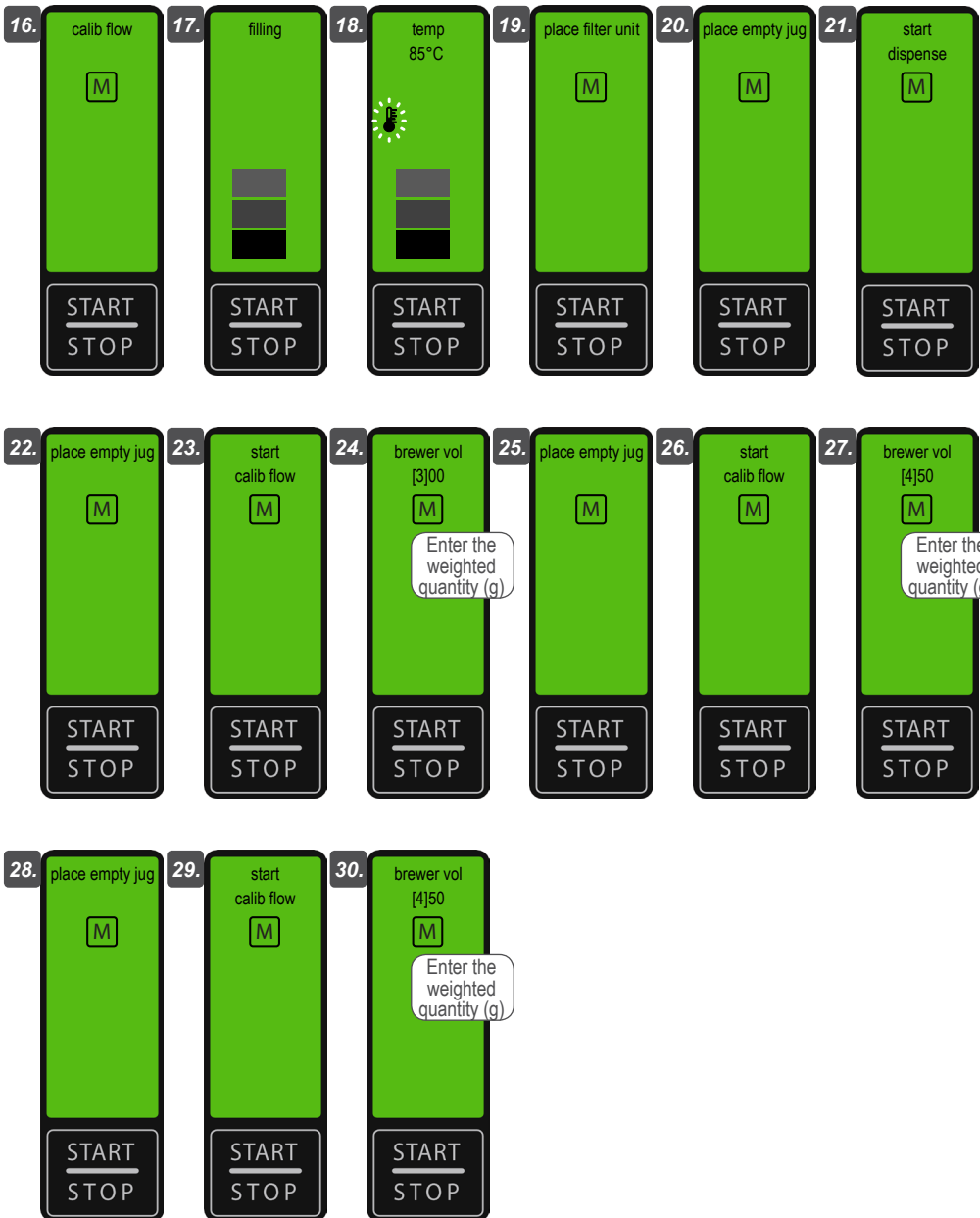
You can use an RFID card to copy the settings*

(see page 2 fig. 3, this way you skip fig. 4 to 10).

After the setup, the calibration temperature and calibration flow will start (see page 3 to 5).

1. first start menu
[M]
2. enter settings
[M]
3. place card or press M
[M]
4. language [English]
◀ [M] ▶
5. vol units [ml/L]
◀ [M] ▶
6. temp units [°C]
◀ [M] ▶
7. wfilter th [0]0000 l
◀ [M] ▶
8. wfilter th [0]00 days
◀ [M] ▶
9. descale th [1]000 l
◀ [M] ▶
10. cleaning th [0] days
◀ [M] ▶
11. year [0]000
◀ [M] ▶
12. month [0]0
◀ [M] ▶
13. set day [0]0
◀ [M] ▶
14. format [24h]
◀ [M] ▶
15. time [0]0:00
◀ [M] ▶

See page 6



31. calib cycle 2

[M]

START
STOP

32. place empty jug

[M]

START
STOP

33. place container @ HW tap

[M]

START
STOP

34. continue calib flow

[M]

START
STOP

35. press HW tap

± 600 ml
from hw-tap

START
STOP

36. release HW tap

START
STOP

37. brewer vol [3]00

[M]

Enter the weighted quantity (g)

START
STOP

38. place empty jug

[M]

START
STOP

39. place container @ HW tap

[M]

START
STOP

40. continue calib flow

[M]

START
STOP

41. press HW tap

START
STOP

42. release HW tap

START
STOP

43. brewer vol [6]00

[M]

Enter the weighted quantity (g)

START
STOP

44. place empty jug
[M]
START
STOP

45. place container @ HW tap
[M]
START
STOP

46. continue calib flow
[M]
START
STOP

47. press HW tap
START
STOP

48. release HW tap
START
STOP

49. brewer vol [4]50
[M]
Enter the weighted quantity (g)
START
STOP

50. calib temp
[M]
START
STOP

51. place filter unit
[M]
START
STOP

52. place container
[M]
START
STOP

53. start calib temp
[M]
START
STOP

54. filling
[M]
START
STOP

55. temp 39°C
START
STOP

56. Caution hot liquids 90°C
START
STOP

57. filling 97°C
START
STOP

58. filling
[M]
START
STOP

59. 5.0 l Mild roast
[M]
START
STOP

Descalc threshold

18 - 30 °dH = 32 - 55 °TH	250 L.	66 Gal.
12 - 18 °dH = 22 - 32 °TH	500 L.	132 Gal.
8 - 12 °dH = 15 - 22 °TH	1000 L.	264 Gal.
4 - 8 °dH = 7 - 15 °TH	1500 L.	396 Gal.
0 - 4 °dH = 0 - 7 °TH	2000 L.	528 Gal.

	°dH / dGh	°e / °Clarck	°fH / °TH	ppm	gpg	mmol/l
1 °dH / dGh	1	1.253	1.78	17.8	1.04	0.179
1 °e / °Clarck	0.798	1	1.43	14,3	0.83	0.142
1 °fH / °TH	0.560	0.702	1	10	0.58	0.1
1 ppm	0.056	0.07	0.1	1	0.058	0.01
1 gpg	0.96	1.2	1,71	17,1	1	0.169
1 mmol/l	5.6	7.02	10	100	5.85	1