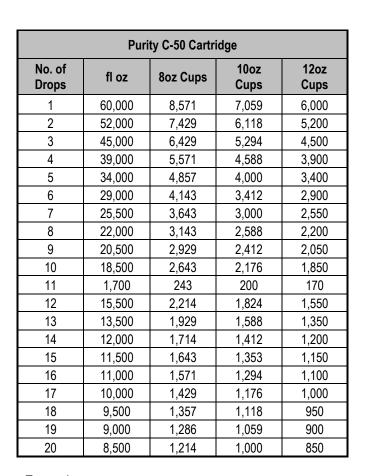


THE WATER HARDNESS TEST FOR THE NEW MAVEA PURITY C 'SCALE-FREE' WATER FILTER

IMPORTANT: To ensure that the heater tank remains scale-free the water hardness at the machine location must be determined, the degree of hardness should be noted and with the aid of the table below the filter cartridge replacement interval can be determined. **Do not use hot water to perform this test.**

- 1. Slowly fill the measuring tube with cold water from the city water supply intended for the coffee machine to the 5ml mark as indicated
- 2. Add the orange test solution to the water sample drop-by-drop and mix by shaking the tube. After the first drop the water will normally turn to a purple color. If the water immediately turns yellow, the water is soft.
- 3. If purple continue to add one drop of the test solution at a time and mixing by shaking until the water changes to a yellow color
- Count the total number of drops used to turn the water yellow and refer to the charts below to determine the capacity of the cartridge in use. The replacement interval can be determined from this.



Purity C-150 Cartridge				
No. of Drops	fl oz	8oz Cups	10oz Cups	12oz Cups
1	168,000	24,000	19,765	16,800
2	148,000	21,143	17,412	14,800
3	130,000	18,571	15,294	13,000
4	115,000	16,429	13,529	11,500
5	100,000	14,286	11,765	10,000
6	88,000	12,571	10,353	8,800
7	75,000	10,714	8,824	7,500
8	64,500	9,214	7,588	6,450
9	57,500	8,214	6,765	5,750
10	51,000	7,286	6,000	5,100
11	47,500	6,786	5,588	4,750
12	44,000	6,286	5,176	4,400
13	40,500	5,786	4,765	4,050
14	37,000	5,286	4,353	3,700
15	34,000	4,857	4,000	3,400
16	32,000	4,571	3,765	3,200
17	30,500	4,357	3,588	3,050
18	29,000	4,143	3,412	2,900
19	27,000	3,857	3,176	2,700
20	25,500	3,643	3,000	2,550

Examples:

Purity C-50 cartridge - It took 6 drops, therefore the cartridge capacity will be approximately 29,000 fl oz, equivalent to 4.143 x 8oz cups; at 200 cups/week, the cartridge will need replacing every 20 weeks.

Purity C-150 Cartridge – Given the same 6 drops & 200 x 8oz cups/wk as the above example, the cartridge will need replacing every year **(the cartridge should be replaced at least once a year!).**

Note: The chart capacities are intended as a guide only.