

4.10. Autodose - automatic dosing quantity control

Autodose

The appliances are fitted with an automatic dosage quantity adjustment from the following software versions:

Type	Software version with autodose
Talea Touch	≥ V.01.08.14
Talea Ring Plus / Ring	≥ V.02.00.08
Talea Giro e Odea Giro / Go	≥ V01.02.01

Function:

The coffee machine adjusts automatically the average coffee dose with an algorithm based on three informations that it detects via the electronic board:

1. Number of grinding pulses performed during the grinding,
2. Maximum of average values of the current consumption of the gear device during the coffee pressing,
3. Aroma selected by the customer.

The algorithm compares the maximum of the average values of the gear device's current consumption with the range defined to the selected aroma fuction in order to adjust the number of grinding pulses for the next coffee.

If the value of the current consumption is less than the minimum of the range defined for the aroma in question, the grinding pulses will be increased by 2.

If the value of the current consumption is more than the maximum of the range defined for the aroma in question, the grinding pulses will be decreased by 4.

If the value of the current consumption is within the range defined for the "Exceeded stress", the coffee will be brewed and the grinding pulses will be decreased by 10.

If the value of the current consumption is within the range defined for the "Ejection", the coffee cake will be ejected and the grinding pulses will be decreased by 10.

In the customer has selected "coffee powder" as the aroma, no adjustment will be done.

	Setting/status	Current consumption	Pulses corrected in the next grinding process	
			Exceeded by	Deficient by
		Area		
A	mild aroma	200 - 300 mA	-4	+2
B	medium aroma	301 - 450 mA	-4	+2
C	strong aroma	451 - 600 mA	-4	+2
D	Stress	601 - 800 mA	-4	
E	Exceeded stress	801 - 1,000 mA	-10	
F	Ejection of dry coffee	> 1,000 mA	-10	

This guarantees that, regardless of the coffee type used, the grinding level setting or possible wear to the grinding disc always remains constant when dosing.

Important:

The machine monitors in the area of the fields shown in green (A,B,C) during normal operation. This area is normally only left when changing the type of coffee (new bean type / fat content, new blend). Therefore when changing the type of coffee, a few dispenses may be subject to under or over dosage (until the controller has compensated for the change).

Caution: In case of overdosage, dry coffee may be ejected several times as a result. This is not a fault and can occur during first use or after a service.