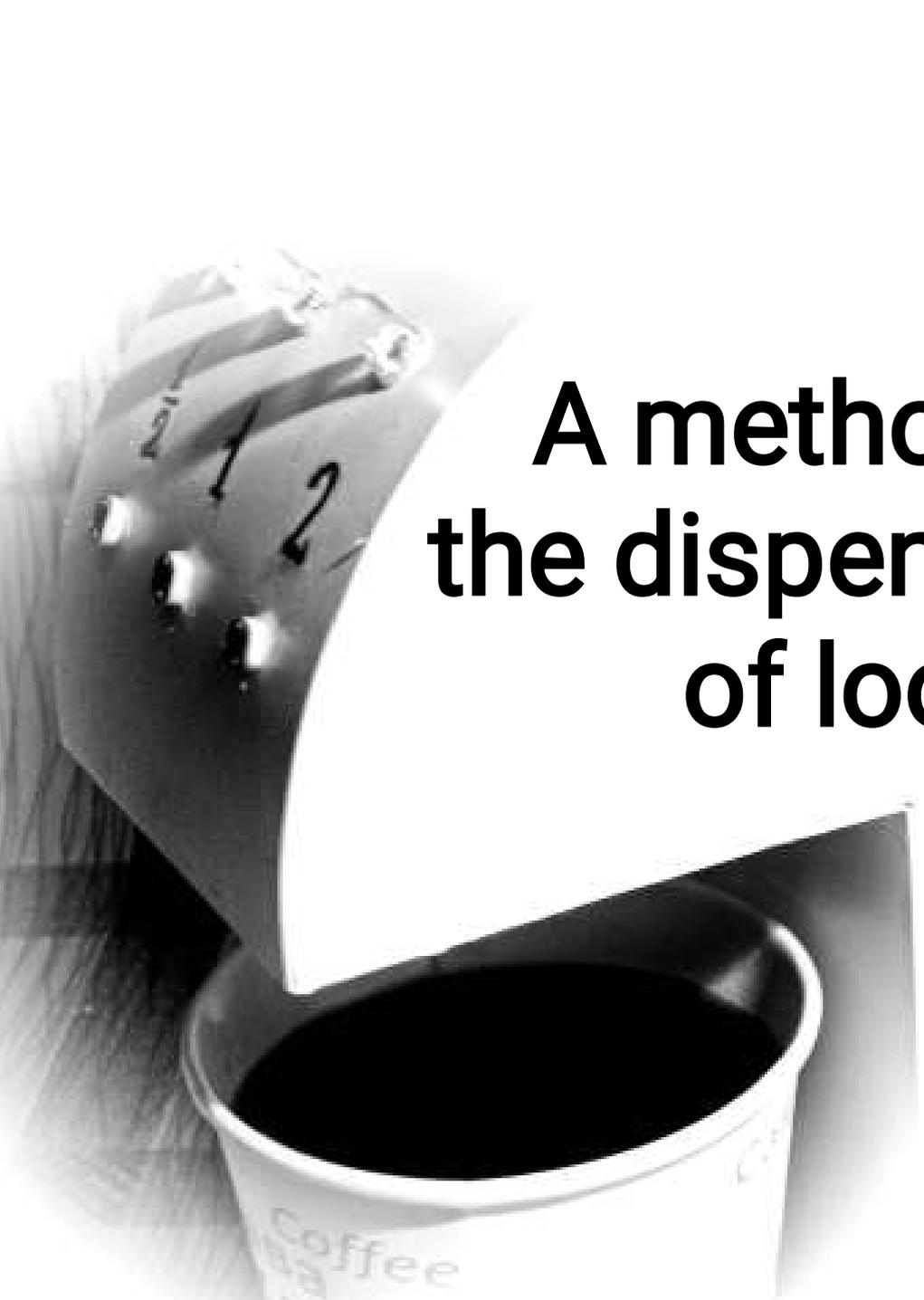




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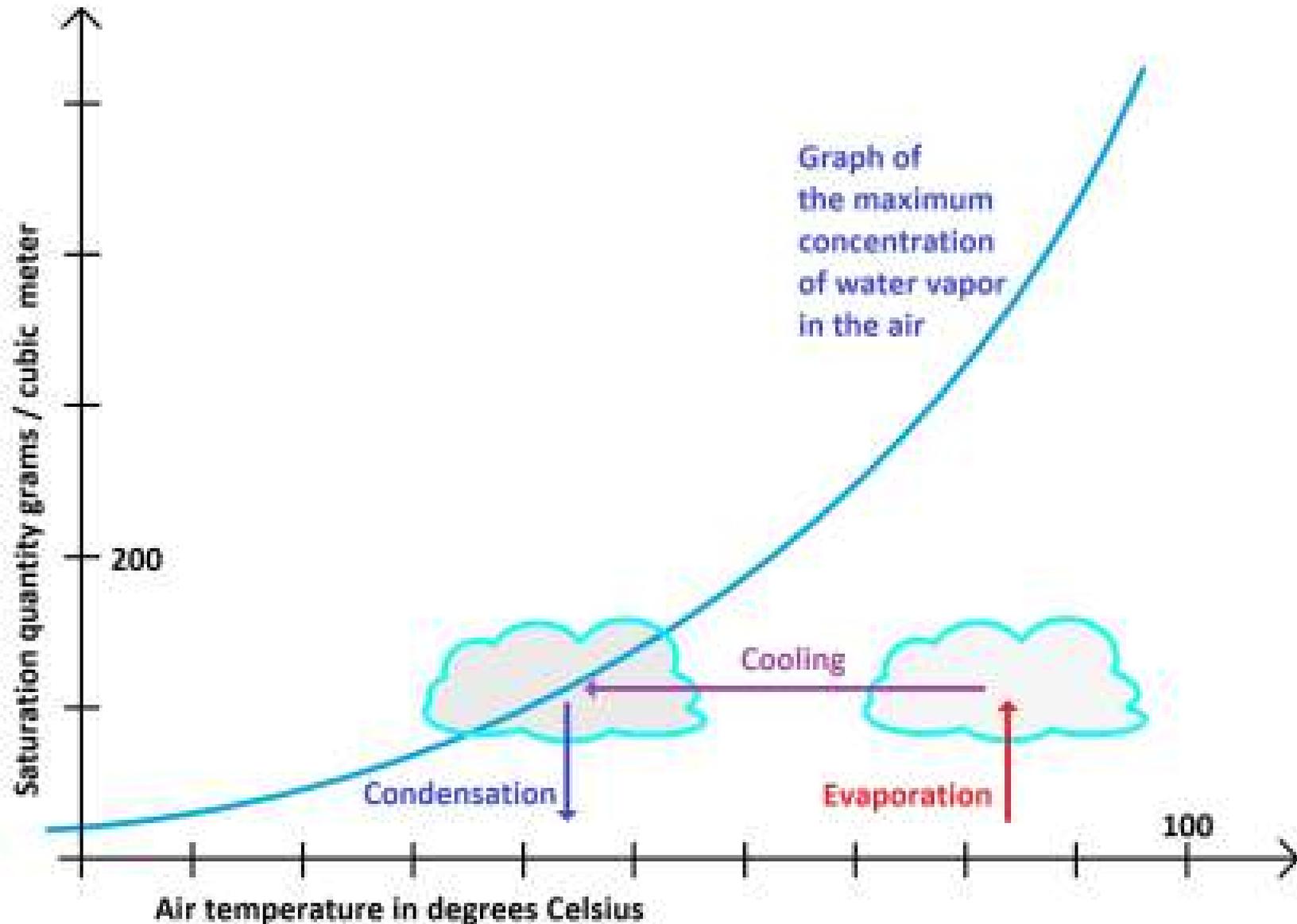
Junior Academy of Sciences
of Ukraine

A black and white photograph showing a hand holding a coffee dispenser. The dispenser has three buttons labeled "1", "2", and "3". The hand is tilted, pouring coffee into a white paper cup that has "Coffee" printed on it. The background is a plain, light surface.

A method of protecting the dispenser from sticking of loose products

Inventor: Iryna Krasovska

Problem: When the dispenser works over hot water, moisture begins to condense on it, which can sometimes cause loose products to stick together



Experiments have shown that a minimal temperature difference is sufficient for the appearance of a "dew point" , with the subsequent sticking of sugar to the dispenser



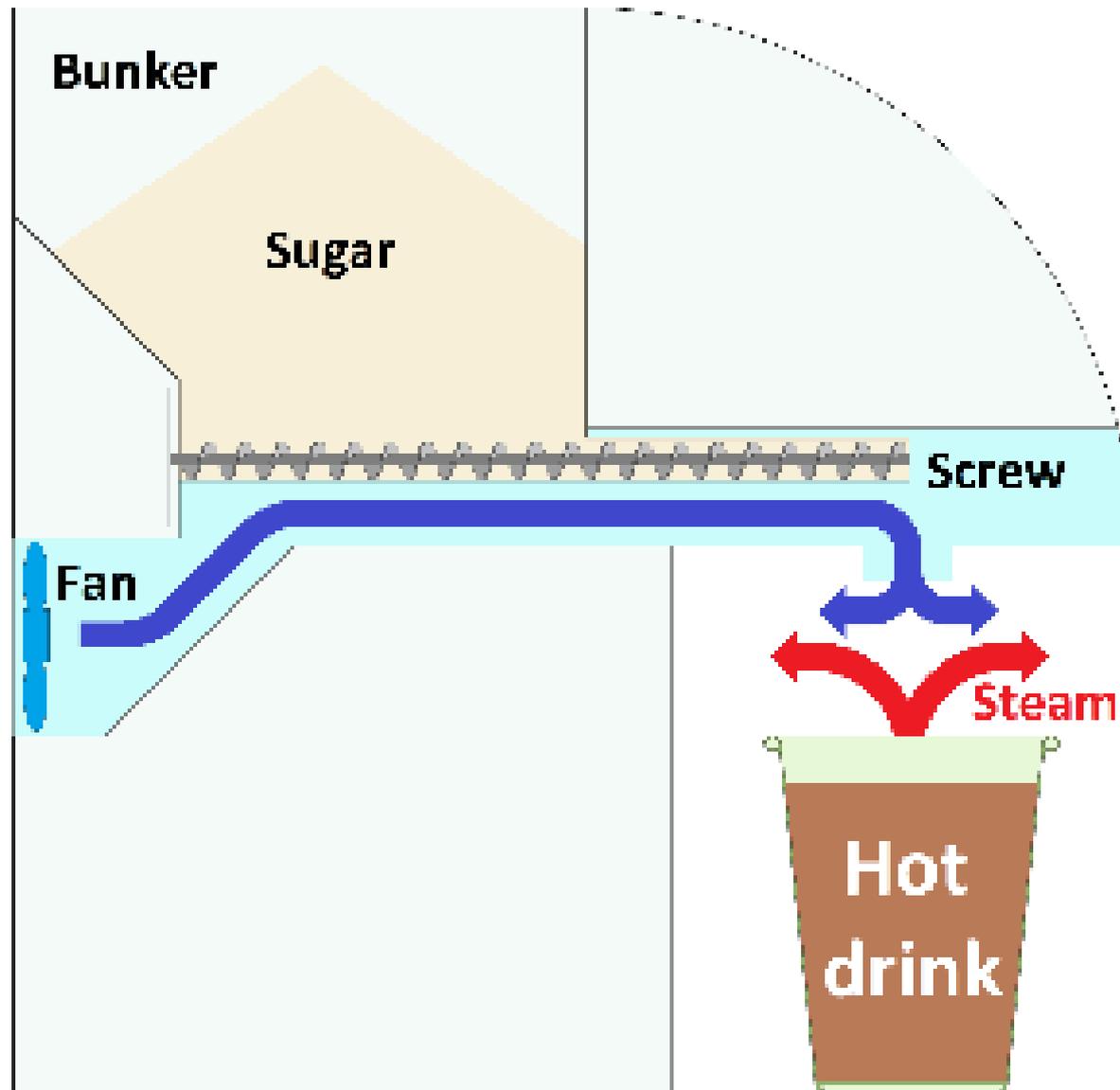
And as a result, we have the following situation - practically no household coffee maker can prepare for you coffee with sugar

The image shows a Google search results page for the query "house coffee maker machines". The search bar at the top contains the text "house coffee maker machines" and includes icons for voice search, image search, and a magnifying glass. Below the search bar, there are several suggested search terms: "pigeon", "le marzocco", "de longhi", "delonghi coffee", "pigeon coffee", "brewster coffee", "delonghi espresso", "grinder", "best espresso", "coffee grinder", and "coffee".

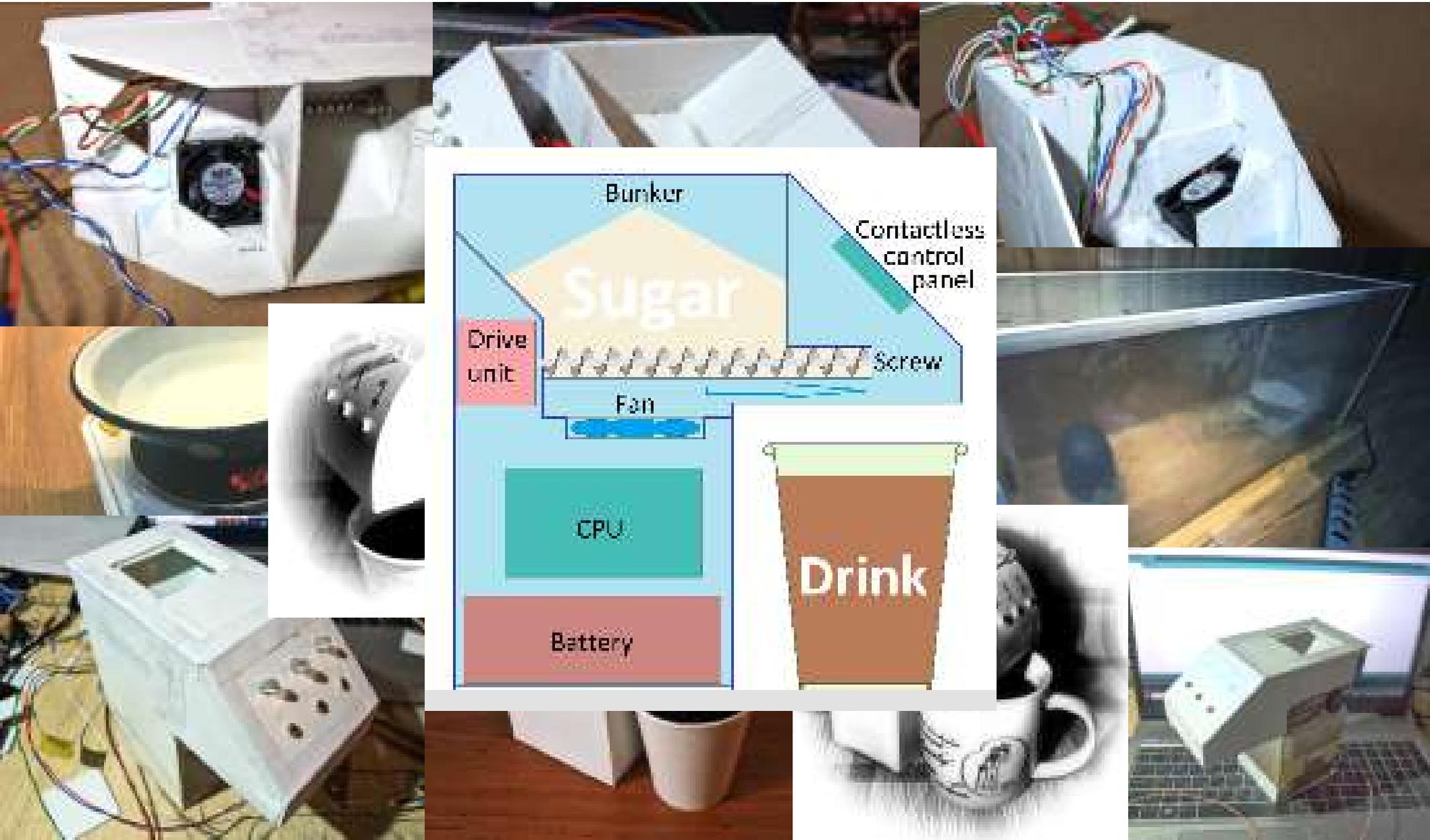
The main content area displays a grid of search results, each featuring a thumbnail image and a title. The results include:

- The New York Times**: The 4 Best Espresso Machines for Beginners...
- Forbes**: Best Espresso Machines 2023 - Forbes Vetted
- Serious Eats**: The Best Espresso Machines of 2023 | ...
- DUU Good Food**: Best coffee machines to buy...
- Match Coffee**: 12 Best Home Espresso Co...
- Real Simple**: The 6 Best Coffee Makers With Grind...
- Pinterest**: The Best Espresso Machin...
- Rolling Stone**: The Best Espresso Machines 2023, Unveile...
- Bon Appetit**: The Best Espresso Machines To...
- The New York Times**: The 4 Best Espresso Machines for Beginners for 2023 | ...
- Forbes**: Best Espresso Machines 2023 - For...
- Perfect Daily Grind**: Which Type Of Home Coffee Ma...
- Delonghi**: Coffee Maker | De'Longhi
- Food Network**: 7 Best Espresso Machi...
- 74 Coffinosa**: Best Super Automatic Espresso Machines in...
- Clive Coffee**: The 6 Best Espresso Machines You Can Buy ...
- Food Network**: 7 Best Espresso Machines 2...
- Delicious**: 6 Best Home Coffee Machines 2023 | For Bars...
- Good Housekeeping**: Best espresso coffee machines 2022: De'Longhi, Sm...
- New York Post**: 10 best espresso machines for every home bu...

Solution: The dispenser is equipped with an air curtain of dry air, which prevents its contact with local streams of humidified air or steam



A large number of experiments were conducted on the design of a sugar dispenser that does not get clogged up at high humidity



Verification - all small-sized dispensers, which were equipped with an air curtain on the working mechanism, operated without issues in a high humidity environment

