

## DW-150(-PS)/ DW-150A(-PS)

# Experimental Ultra-high Pressure Homogenizer

### Product Description

The DW-150(-PS)/DW-150A(-PS) high-pressure homogenizer launched by Drawell Scientific is a miniaturized desktop biological sample processing device. The instrument has a built-in cooling circulation system that directly cools the homogenizing head. And optional homogenizing valves for different applications are available. It has high pressure, small volume, easy operation, high processing efficiency and high output. Large sample size and other characteristics. It is a standard equipment for R&D and production in bioengineering, biopharmaceutical and other industries.



### Performance characteristics

1. High crushing efficiency: the material particle size can be uniformly refined to less than 100nm, and the crushing rate is greater than 95%
2. Multifunctional options: diamond crushing valve or Stellite emulsifying valve
3. High level of hygiene: Made of 316L stainless steel material that meets food and drug requirements
4. Temperature controllable: The inlet and outlet of the cooling joint are connected with the constant temperature bath to effectively control the temperature rise of homogeneous materials.
5. Adjustable flow: variable frequency flow control system can adjust the flow according to needs
6. Adjustable pressure: homogeneous pressure 0~1500bar can be adjusted at will
7. Online exhaust: easy to operate, automatically restores pressure adjustment after exhaust
8. Zero residue: built-in drain valve structure can drain materials
9. Invention patent: built-in cooler structural design

Specifications

Model	DW-150(150PS) /DW-150A(150APS)
Power supply	220V/50Hz /three-phase four-wire 380V/50Hz
Flow rate	6-12 L/h / 12-25 L/h
Number of puffs per minute	about 140
Maximum working pressure	1500bar
Maximum product viscosity	2000cP
Motor power	1.5KW 8- level /3.0KW 8-level
Overall dimensions	L800*W460*H450mm /L840*W620*H540mm
Maximum product temperature	90°C
Maximum steam temperature	121°C
Maximum feed particle size	<500 microns