



MEDIA PREPARATION

MEDIPREP SERIES



The MediPrep 820 series offers quick and easy preparation of up to 8 liters of dissolution media in less than 15 minutes. The MediPrep 1622 takes just 25 minutes to prepare dissolution media - three times faster than manual preparation according to USP. The media for dissolution tests can be precisely mixed, heated, degassed and gravimetrically filled into vessels in a single pass. Foaming media such as SDS (Sodium Dodecyl Sulfate) can also be used.

Filling can be carried out via the integrated dosing connection or directly into the containers using the optional remote filling hand.

Additionally, the MediPrep 1622 has two inlets for premixed media and an outlet for waste water. An automatic cleaning process is integrated to prevent cross-contamination.

With a filling accuracy of 1 % for volumes from 500 ml to 2000 ml, there are instances where measurements for 250 ml do not meet specifications. To ensure a properly filled vessel with 250 ml, we recommend adding at least one additional vessel to the MediPrep 1622 filling method. If the filling is not within the specified accuracy, the excess volume should be discarded.

FLEXIBLE DEVICE FOR DIFFERENT USE CASES

PRODUCT HIGHLIGHTS



100% USP / EP / JP Compliant

Quick preparation and filling conform to USP, EP and JP



8 Liters Media for Dissolution Tests

Preparation according to USP/EP/JP guidelines



Integrated Touchscreen Control

With features for full documentation of the media preparation



Automatic Cleaning

Automatic cleaning procedure of container and tubings



Memory Capacity

Storage capacity for up to 100 media preparation methods

OPTIONS

- | MediPrep 820 with no additional inlet for concentrate / prepared media
- | MediPrep 1622 with two additional inlets for concentrates / prepared media
- | Remote dosing hand for direct filling into dissolution tester
- | Pressure-reducing valve for direct connection of DI-water, if > 5 bar
- | MT 50 (50 liter volume net) storage container for media
- | MT 100 (100 liter volume net) storage container for media
- | Rack for 3 vessels
- | Residual oxygen measuring device
- | Calibration weight, 10.0 kg
- | Calibration weight, 2.0 kg
- | IQ / OQ documents
- | Digital thermometer, certified
- | Digital manometer, certified
- | Printer

MEDIPREP SERIES

TECHNICAL DATA

Weight	36 kg (MediPrep 820) 41 kg (MediPrep 1622)
Dimensions (H x W x D)	675 x 354 x 635 mm (MediPrep 820) 692 x 367 x 645 mm (MediPrep 1622)
Voltage	115 V or 230 V, 50/60 Hz
Interfaces	USB-A for printer, RS-232 interface for firmware
Fuses	2x15 A
Max. volume inside tank	8 liters (MediPrep 820) 16 litres (MediPrep 1622)
Min. volume inside tank	2 liters
Functions	Vacuum degassing, heating, gravimetric filling (MediPrep 820) Mixing, diluting, vacuum degassing, heating, gravimetric filling (MediPrep 1622)
Pharmacopeia conformance	USP, EP
Inlet for premixed media	1 Inlet for media from external source (MediPrep 820) 1 Inlet for media from external source, 2 inlets for concentrates (MediPrep 1622)
Outlet for residual or waste medium	yes
Remote dosing hand	Optional
Control	Touchpanel 7"
Common aqueous media at least 2 l	yes
Time needed for media preparation	≤ 15 minutes for 8 l, depending on the degassing time (MediPrep 820) ≤ 24 minutes for 16 l, depending on the degassing time (MediPrep 1622)
Mixing accuracy	Mixing not possible (MediPrep 820) ≤ 1 % with a ratio of concentrate to water 1: 9 to 1: 1 (m / m) (MediPrep 1622)
Handling of foaming media (SDS)	Up to 1 % solution at max. 6 l (MediPrep 820) Up to 1 % solution at max. 14 l (MediPrep 1622)
Dosing volume, accuracy	≤1% for 250 to 1000 ml (MediPrep 820) ≤1% for 500 to 1000 ml (MediPrep 1622)
Weighing accuracy	≤ 0,1 % at 2 kg

Heating temperature, accuracy	Max. 50 ° C, ± 0.2 ° C
Degassing pressure, accuracy	≤ 200 mbar, ±10 mbar
Product memory	Max. 100
User memory	Max. 50 users, password-protected access