

# MP

The MP Xtend™ makes preparing dissolution medium and accurately dispensing desired volumes of heated & degassed medium into vessels fast, efficient, and compliant.



SOTAX

## Media Preparation Station

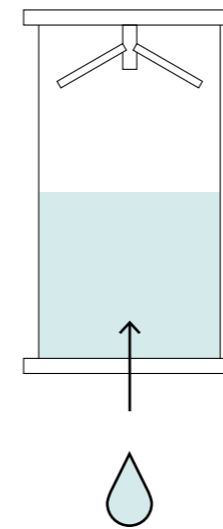


# Ensure identical conditions for your dissolution tests.

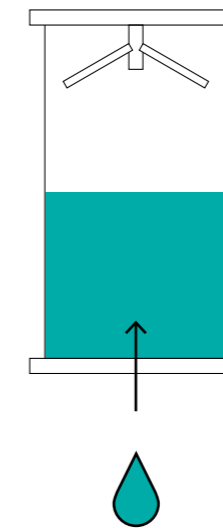


Did you know that differently prepared medium can influence dissolution results? Tasks such as mixing, heating, degassing, and vessel filling are essential to ensure identical test conditions. The MP Xtend™ eliminates potential sources of variation and assists your lab staff to efficiently prepare, de-aerate, and dispense medium the same way over and over again. For 100% traceability, all steps are automatically recorded and reported.

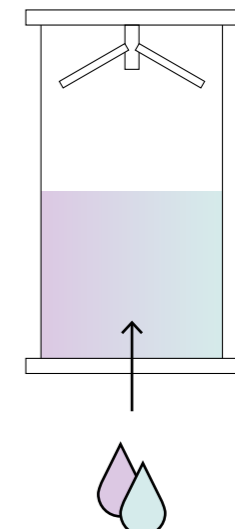
Deionized or distilled water



Conditioning of prepared medium



Prepare medium with one or two concentrates





# Fast. Precise. Compliant.



sotax.com/MP

Heat & degas dissolution  
medium or prepare using  
concentrates

Medium tank with  
16 litres capacity

Highly effective vacuum  
degassing to USP-recommended  
levels

Integrated oxygen sensor

2 media ports for concentrates

Automated self-cleaning



Prepare up to 16 litres  
of dissolution medium

Fast & Efficient

SmartFill™ for all  
vessel types

Gravimetric  
volume control

Audit trail

Intuitive user interface with  
menu-guided steps

Built-in data integrity with  
user management and audit trail

SmartFill™ dispensing head  
fits on all vessels types and  
avoids re-aeration

Precise vessel filling with  
gravimetric volume control

# For all dissolution baths in your laboratory.

Use the MP Xtend™ as a central media station on your bench or dispense directly into the vessels of all dissolution baths in your laboratory without having to remove any glassware.



Front with SmartFill™ dispensing head

Uninterruptible power supply (UPS)

3 containers with 10 or 20 litres capacity

Integrated wheels with brake



## True mobility with integrated battery power.

Electricity? Forget about having to deal with tangled power cords and finding a free socket somewhere near the bench. A robust cart turns the MP Xtend™ into a battery-powered mobile media preparation station. The integrated 16 litre tank plus up to three additional containers allow to prepare, heat, degas, and dispense a total of up to 48 litres without having to re-connect the MP Xtend™ to a conventional power source.

# SmartFill™ Ergonomics.

Designed with simplicity in mind, the universal SmartFill™ dispensing head allows operators to accurately fill multiple vessels in a short period of time.



## For all bath designs.

Flexibly dispense into different dissolution baths. The integrated SmartFill™ spiral hose flexibly extends so that operators can easily reach all vessel positions – irrespective of bath layout, instrument dimensions, and brand.



## SmartFill™ at the touch of a button.

The unique clip-on dispensing head design securely fits on different vessel types and brands. Pushing the button starts the hands-free filling process.



Directly fill vessels of any dissolution bath



Fill vessels at central media station

# Prepared for Efficiency.



## Empty.

Large tank capacity allows to prepare exactly the needed volume of fresh dissolution medium for one or more tests.



## Fill.

Filling from the bottom of the tank minimizes foam formation and prevents separation of multicomponent media.



## Heat & Degas.

Very effective and accurate degassing and heating of the medium under vacuum to USP-recommended levels.



## Dispense.

Highly accurate dispensing of heated and de-aerated medium into vessels with gravimetric volume control.



## Clean.

Intensive multi-step cleaning that can be validated prevents cross-contamination or dilution with the previous medium.



# Flexibility meets Compliance.

Correctly preparing and dispensing dissolution medium has never been easier for your laboratory staff. The MP Xtend™ eliminates typical sources of human error and automatically protocols all steps executed.



## Volume control.

Precise gravimetric volume control ensures that vessels are accurately filled with dissolution medium. Dispensed volumes are automatically protocolled and reported.



## Easy to use correctly.

Simply select a recipe and you're ready to go. Operators are intuitively guided through all processes – from tank filling to dispensing and cleaning.

## Oxygen sensor.

Need documented proof that your medium has been degassed to the required level? An optional sensor measures the level of dissolved oxygen for each preparation.

## Avoid re-aeration.

To prevent degassed medium from re-aerating, the SmartFill™ head with extendable tube ensures that dispensing is always performed along the vessel wall.





# Who did What, When, and Where?

Full compliance with 100% traceability is at the very heart of operating the MP Xtend™. An automatically generated report that can be exported provides all essential information of your medium preparation including cleaning and dispensed volumes.

## All info at a glance.

Powerful tracking capabilities allow reporting of all tasks performed – from priming to tank filling, mixing, heating & degassing, dispensing into dissolution vessels, and system cleaning.

## Calibration.

Calibrating the integrated load cell is fast and easy with menu-guided procedures – making routinely executed periodic verification a simple and efficient task. All adjustment and verification activities are tracked and reported in a separate calibration report.

## Audit trail.

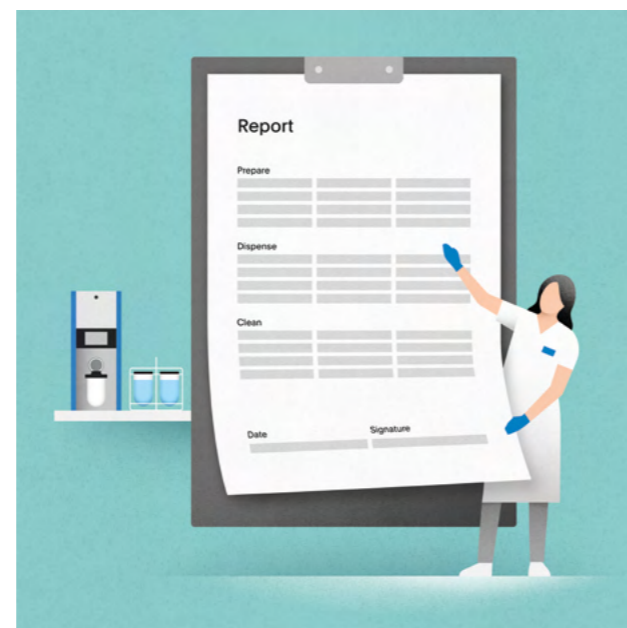
Eliminate medium preparation as a potential source of OOS dissolution results by presenting documented proof that proper procedure has been followed. The integrated audit trail ensures full traceability of all user actions with clear labels indicating the “who did what, when, and where”.

## Export.

The MP Xtend™ provides users with a straightforward method to extract and analyze valuable information. Simply select the parameters you need and export them in different file formats.

## User administration.

Make sure that only the right individuals have access to the appropriate level of system privileges – thus increasing overall lab security and compliance. A role-based user administration allows to efficiently manage users and their permissions.



## Technical Specifications

Tank volume	16 L	
Vessel filling	2'000 mL / min	
Media ports	3	
Concentrate ratio	1:2 up to 1:50	
Preparation modes	Conditioning in tank	From any of the 3 media ports
	Prepare water + 1 concentrate	From 1 media port (water is a fixed port)
	Prepare water + 2 concentrates	From 2 media ports (water is a fixed port)
Temperature range	20 – 45 °C	
Dosing range	50 mL – 1.5 L	
Dosing accuracy	+/- 1 g	
Preparation time	1 L / min	
Oxygen sensor	○	

		Benchtop	Mobile (with cart)
Dimensions	Width	305 mm (12 inch)	600 mm (23.7 inch)
	Depth	645 mm (25.4 inch)	900 mm (35.5 inch)
	Height	790 mm (31.1 inch)	1690 mm (66.6 inch)
Weight		60 kg (132.3 lbs)	110 kg (242.5 lbs)

○ optional

Technical specifications are subject to change without prior notice. Products illustrated in this brochure may include options or modifications not fitted as standard. No liability for errors and omissions.

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