

Automated  
Cleaning

# DVC 24

Robust, mobile, and easy to use, the DVC-24 is an automated dissolution vessel cleaner which is adaptable to all types of dissolution testers. It empties and effectively cleans multiple dissolution baths with a patented steam-cleaning process.



## Dissolution Vessel Cleaner

# DVC-24 — Clean the same way every time.



[sotax.com/DVC-24](http://sotax.com/DVC-24)



Fast emptying and cleaning  
of up to 24 vessels

Easy-to-use LCD touchscreen

Compatible with all USP  
dissolution vessels

Reduces water and energy  
consumption

Mobile with integrated wheels

- Robust & effective cleaning method
- 
- Fast cycle times
- 
- Compatible with different dissolution testers
- 
- Repeatable & validatable cleaning procedure
- 
- Clean in place with simple user operation

GMP-compliant clean in place

Simplified waste collection

Silent operation

# Optimize your process.

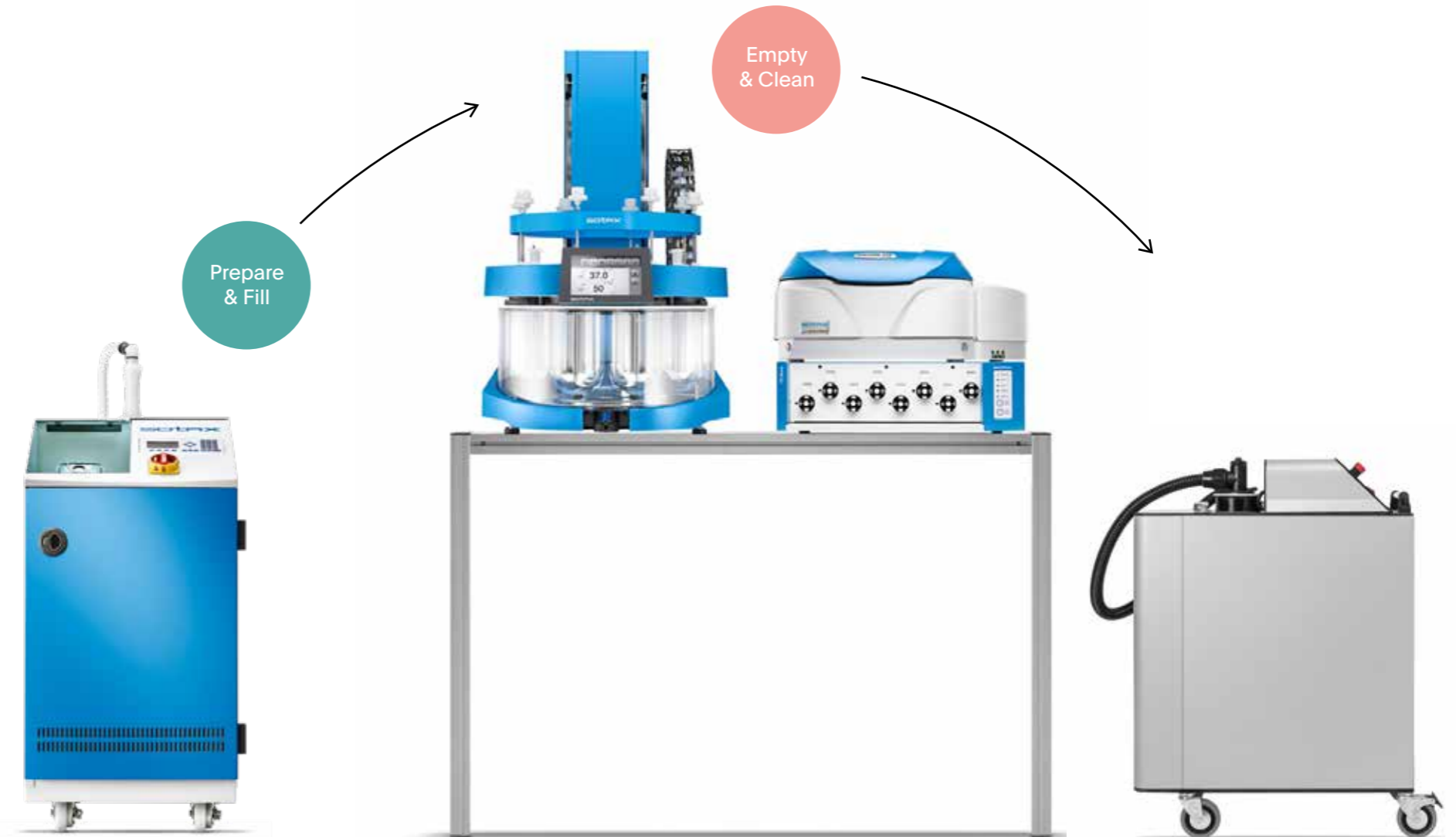
Repeatable cleaning.  
Ensured compliance.  
Reduced waste.

How do you clean vessels today? How about a little helper that does the job fast, efficient, and effective for you? Repeatable cleaning dramatically increases reliability of your existing testers. The DVC-24 cleans up to 24 vessels (4 baths) without reconditioning – only 20 seconds per vessel, 3 minutes per dissolution tester. The instrument's fast reconditioning time of only 6 minutes increases the effectiveness throughout the entire lab.

## Ecological and economical.

The DVC-24 uses only a minimum quantity of water (approx. 40 mL) reducing water and energy consumption to the max. With the unique patented water steam cleaning method no chemicals are needed to clean your vessels leaving you with even less residues: a neutralizing solution can be added for pre-treatment of waste – also reducing recycling costs.

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## Automate your dissolution process.

Eliminate tedious and error-prone manual tasks. Automatically prepare and fill dissolution vessels with the SOTAX MPS Media Preparation Station and finish your dissolution process by automatically emptying, cleaning, and drying the vessels in place after the test with the DVC-24. Fast and effective, with a validated cleaning routine. The instrument is therefore ideal for different manual & semi-automated systems.

# Cleaning procedure — 3 simple steps.



### Universal head cover.

Different vessel types are possible: plastic vessels as well as glass vessels, from 500 mL to 2 L volume – the universal vessel cover is compatible with all USP dissolution vessels. The cover design prevents any leakage or waste backflush. Once placed onto the vessel, just press the button and your vessels will be cleaned in 3 simple steps.



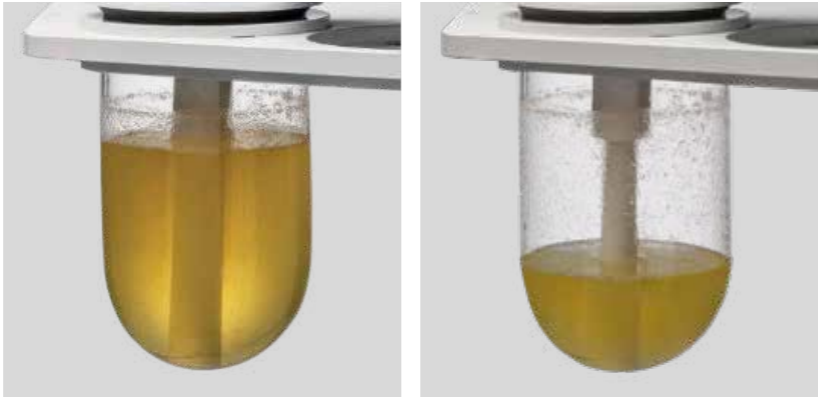
### Step 3 – Dry.

Extra vacuum force is applied to remove the cleaning agent (steam / water) and helps to dry the vessel.



### Step 1 – Empty.

A powerful vacuum pump completely removes the media from the vessel.



### Step 2 – Steam.

For cleaning, water steam is symmetrically sprayed on the inner vessel wall. This spraying process applies a thermal and mechanical force removing even sticky residue.

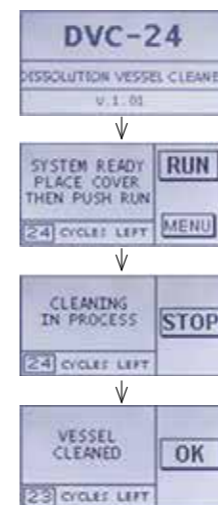
# Mobile. Robust. Easy to use.

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## Make life easier.

Vessel removal is no longer needed, therefore also avoiding the tedious back and forth trips to the sink or glassware washing procedure. The DVC-24 has integrated wheels allowing you to move it throughout the lab to different dissolution testers as needed. Avoid vessel breakage and slippery floors. Simply a convenient little helper in your daily lab routine.



## Intuitive LCD touchscreen.

The integrated LCD touchscreen is intuitive and easy to operate. It guides you step by step through all procedures, from vessel cleaning to validation.

## Ready for your applications.

Three default cleaning methods for different contamination levels and vessel types are readily available covering almost all applications. Method customization is possible but typically not required. Water steam is used as a cleaning agent for all methods – soluble, non-toxic, non-reactive with any equipment, suitable for sticky products. Simply ideal.



# Validate your cleaning routine.



## Proven efficiency. Validated effectivity.

With the fully GMP-compliant DVC-24 you can benefit from fast and repeatable cleaning – a procedure that can be validated: The instrument is proven to assure a cleanliness effectivity better than 99.8% with less than 2 ppm of residue present after running a standard cleaning method using validation standards that are representative of common dosage units.

## DVC-24 Technical Specifications

Cleaning Cycles	24 (based on 1 L vessel)	
Cleaning Programs	3 pre-defined programs; customized if required	
Start-up Time	(from cold start)	< 7 minutes
Reconditioning Time	(after 24 cycles)	Approx. 6 minutes
Cleaning Time	18 – 25 seconds per vessel (depending on program chosen)	
Cleaning Agent	Purified water	
Vessels	Standard	1 L SOTAX® vessels
	Optional	Other manufacturers, 2 L vessels, 500 mL vessels, plastic vessels
Residue Treatment	Neutralized in waste tank before draining	
User Interface	LCD touchscreen	
Noise Level	< 65 dB	
Power Supply	115 – 230 V / 50 – 60 Hz	
Weight	(ready to use)	50 kg
Dimensions	Width	395 mm
	Depth	695 mm
	Height	975 mm

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.

## Full validation package.

A full documentation package is available that provides evidence of cleaning effectiveness, i.e. it proves that your dissolution equipment is homogeneously cleaned within defined acceptance limits prior to its use.



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