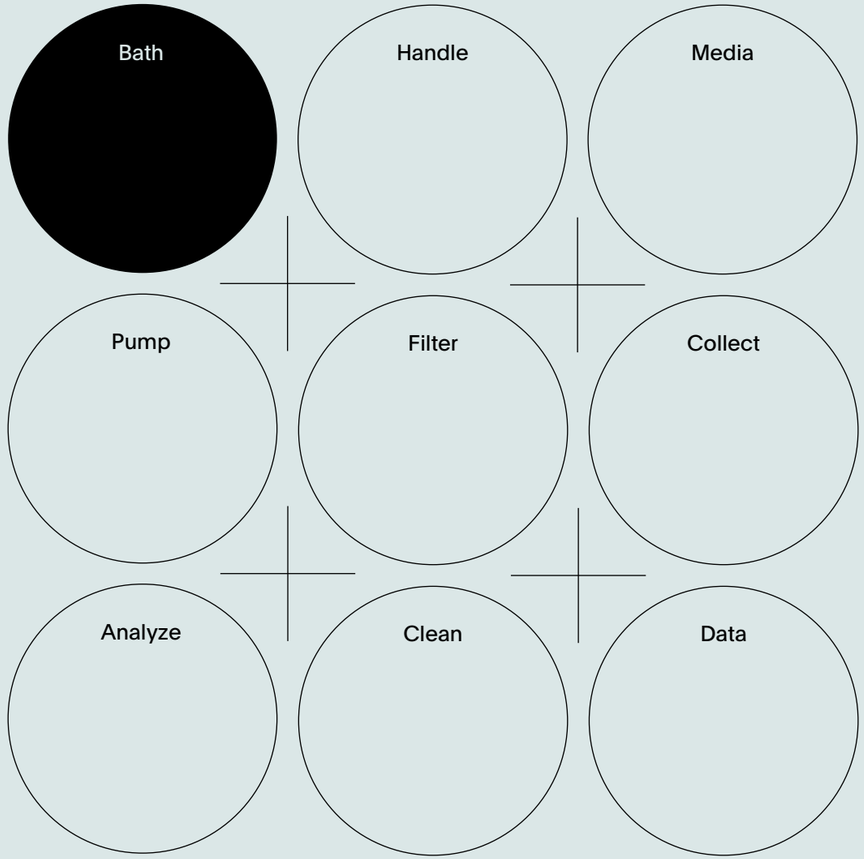
Xtend™ Modules

USP
1/2/5/6

sotax

Xtend™ Modules — Configure your system.

Thanks to its modular design, all Xtend™ components that are in contact with your product are always 100 % identical – irrespective of your system's automation level. Use the same dissolution method for different configurations and flexibly handle changing workloads. From qualification to writing SOPs: keep in place what is already used, described, and validated.



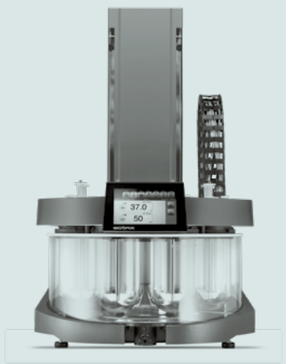
Baths

AT bath

Circular dissolution bath for manual and semi-automated benchtop systems.

M S

sotax.com/AT



- Take samples manually or integrate with other Xtend™ modules for unattended sampling and filtration
- Sample withdrawal with AutoLift™, HollowShaft™, or resident probes
- Use tip filters, membrane filters, or syringe filters for optimal filtration
- Protocol individual temperatures of all vessels
- Stand-alone operation with intuitive EasyTouch™ user interface

Automation-ready.

The AT dissolution bath can be integrated into differently automated systems. Flexibly add functionalities such as multi-temperature monitoring, automated tablet drop, motorized closing mechanism, tube heating, or CenterView™ video monitoring as needed and configure the bath to your individual requirements.

AutoCompliance™

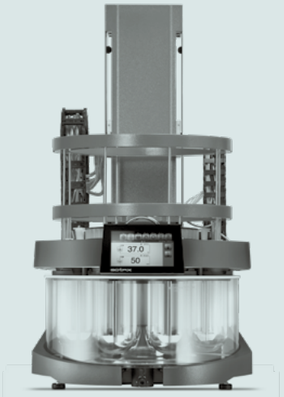
Forget about error-prone adjustments of the shaft height by operators. SOTAX dissolution baths have been designed to meet regulatory requirements out-of-the-box with self-centering vessels, fixed shaft height, and the lowest wobble rating in the industry.

AT-F bath

High-end dissolution bath for fully automated operation in ATF Xtend™ systems.

F

sotax.com/AT-F



- Integrated multi-function heads to automatically fill, empty, and spray-clean all vessels
- SmartAdd™ magazine to automatically introduce dosage forms for a series of unattended dissolution tests
- Degassed medium is carefully dispensed down the vessel wall to avoid re-aeration
- In-vessel volume monitoring with contact-free sensor technology

Multi-function heads.

Pre-configured for 100 % unattended operation, the F-version of the AT bath features multi-function heads that seamlessly integrate with other built-in modules of the ATF Xtend™. All steps of the dissolution process from vessel filling to sample withdrawal, filtration, collection, analysis, and self-cleaning are supported.

Self-cleaning.

At the end of a test, the AT-F bath performs a fully automated self-cleaning routine. Vessels are emptied and spray-cleaned according to pre-programmed washing cycles that can be configured individually. No operator action required as the system prepares itself for the next dissolution test.

Xtend™ Modules
Baths

		AT Bath	AT-F Bath
Xtend™	Module type	Benchtop	Integrated
# Vessels		6 / 7 / 8	7
Stirring speed	Range	10 – 250 rpm	10 – 250 rpm
	Accuracy	± 1 rpm	± 1 rpm
Temperature	Range	ambient + 5 °C to 55 °C (optionally up to 70 °C)	ambient + 5 °C to 55 °C (optionally up to 70 °C)
	Accuracy	± 0.1 °C	± 0.1 °C
Temperature monitoring	Mobile probe	●	●
	In-vessel monitoring[1]	○	●
Monitoring	CenterView™ video monitoring	○	○
	In-vessel volume	–	○
Evaporation	(in vessel)	< 1 % per 24 h at 37 °C[2]	< 1 % per 24 h at 37 °C[2]

[1] Requires installed AutoLift™ for lift-in / out
[2] In-vessel evaporation of DI water, with sampling ports closed

Opening / Closing	Manual	●	–
	Automated	○	●
Dosage form introduction	Tablet drop, manual	●	–
	Tablet drop, automated	○	●
	SmartAdd™ magazine	–	●
	Inlet dimension	15 × 30 mm	15 × 30 mm
Sampling	HollowShaft™	○	○
	AutoLift™	○	○
	Resident probes	○	–
	Pipette	○	–
Bath capacity		16.5 litres (optionally 23.5 litres for 2 L vessels)	16.5 litres
Methods	Basket (USP 1)	○	○
	Paddle (USP 2)	○	○
	Paddle over disk (USP 5)	○	–
	Rotating cylinder (USP 6)	○	–
Vessel filling		Manual / with MPS	Automated
Media handling	Sample Replacement and Media Addition[1]	○	○
	Media selector (4 ports)[1]	○	○
	Closed system (return line)	○	●
Cleaning	Automated emptying of vessels	–	●
	Automated vessel cleaning	–	●
	Automated tube cleaning	●	●

[1] Requires installed media valve

		AT Bath	AT-F Bath
EasyTouch™	7" touch screen, capacitive	●	●
	Program capacity	> 100 active methods[1]	unlimited with q-doc®
	User administration	●	●
Interfaces[2]	Ethernet	●	●
	USB	●	●
	CAN	●	●
	RS-232 serial	●	●
Noise emission		< 70 dB	< 70 dB
Power supply		115 – 230 V, 50 – 60 Hz	115 – 230 V, 50 – 60 Hz
Dimensions	Width	560 mm	560 mm
	Depth	770 mm	770 mm
	Height	940 mm	940 mm
Weight		56 kg	66 kg

[1] Unlimited program capacity with q-doc® / WinSOTAX® plus
[2] For internal communication between Xtend™ modules within a system

		CenterView™
# Channels		16
Cameras	Individual per vessel	●
	Resolution	HD resolution (1080 px)
	Focal distance adjustment	●
	Height adjustment	●
Indirect light	(integrated LED)	●
Storage capacity[1]	(of recorder)	HDD 4 TB (optionally up to 2 × 8 TB)
Output format	(per channel)	.avi / integrated viewer
Connection[1]	Recorder	HDMI, VGA, USB, Ethernet
	Cameras	BNC
Power supply[1]		115 – 230 V / 50 – 60 Hz
Dimensions	Width	395 mm
	Depth	430 mm
	Height	80 mm

[1] External recorder

● included / required
○ 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.

Pumps

CP piston pump

S F

sotax.com/CP

Fast and powerful piston pump to push through filters and allow for short sampling intervals.

- Universally deployable
- Accurately delivers small to large volumes
- Easily handles different media types including foaming media with surfactants
- Pushes through filters with minimum porosities down to 0.2 microns
- Allows for extremely short sampling intervals of less than one minute
- Valve-free and self-priming ceramic piston head design requires only minimum maintenance
- Stackable with other Xtend™ modules to save bench space

Faster. Stronger. Better.

Immediately reaching up to 40 mL/min without priming, the CP accurately delivers small to large volumes. Powerful and precise, the piston pump pushes through filters down to 0.2 microns. Short timepoint intervals, high accuracy, the ability to handle foaming media, and its robustness make the CP the preferred choice for all environments.

Integrated CP-F

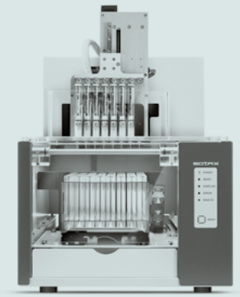
Using identical components, the CP-F is a built-in module of the ATF Xtend™. Its versatility and precision paired with superior robustness make the piston pump ideal for demanding conditions such as fully automated operation.

SP syringe pump

S

sotax.com/SP

Space-saving syringe pump for offline systems. Mounted directly on the SAM sample manager.



- Save bench space
- For semi-automated Offline systems with SAM sample manager
- Precise delivery of sampling volumes with single motor drive for up to 8 syringes
- An economic alternative for products with limited filtration requirements / high-porosity filtration
- Can be operated in combination with piston pump for dilution and quenching

IPC peristaltic pump

S

sotax.com/IPC

Economic alternative for semi-automated UV Online testing of less demanding products.

- Simple and robust
- For semi-automated UV Online systems
- Designed for pumping in circulation with limited accuracy requirements
- Planetary drive with eight actively driven stainless-steel rollers for low pulsation
- An economic alternative for less demanding UV-Vis methods using high-porosity filtration

		CP Piston Pump	CP-F Piston Pump
Xtend™	Module type	Benchtop	Integrated
# Channels		6 / 7 / 8	7
Pumping	Simultaneously on all channels	●	●
	Pump forward (push)	●	●
	Pump backward (pull)	●	●
Self-priming		●	●
Flow rate	Range	1 – 40 mL / min	1 – 40 mL / min
	Standard setting	25 mL / min	25 mL / min
	Accuracy	± 2 % at 20 – 30 mL / min	± 2 % at 20 – 30 mL / min
	Strokes	0 – 400 strokes / min	0 – 400 strokes / min
Max. pressure		5 bar	5 bar
Push through filters	(max. porosity)	0.2 microns	0.2 microns
Control modes	Manual (with integrated panel)	●	–
	Remote control[1)]	●	●
Interfaces[2)]	USB	●	●
	CAN	●	●
	RS-232 serial	●	●
Power supply		115 – 230 V / 50 – 60 Hz	115 – 230 V / 50 – 60 Hz
Dimensions	Width	550 mm	
	Depth	290 mm	
	Height	160 mm	

[1)] Different control modes possible depending on system configuration
[2)] For internal communication between Xtend™ modules within a system

● included / required
○ 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.

		IPC Peristaltic Pump	SP Syringe Pump
Xtend™	Module type	Benchtop	Integrated in SAM sample collector
# Channels		8	6 / 7 / 8
Pumping	Simultaneously on all channels	●	●
	Pump forward	●	●
	Pump backward	–	●
Self-priming		●	●
Flow rate	Range	1 – 44 mL / min	0.1 – 40 mL / min
	Standard setting	16 mL / min	15 mL / min
	Accuracy	± 5 % at 20 – 30 mL / min	± 1 %
	Strokes	–	–
Max. pressure		–	–
Push through filters	(max. porosity)	–	–
Control modes	Manual (with integrated panel)	●	–
	Remote control1)	●	●
Interfaces[2)]	USB	–	–
	CAN	–	–
	RS-232 serial	●	–
Power supply		115 – 230 V / 50 – 60 Hz	115 – 230 V / 50 – 60 Hz
Dimensions	Width	175 mm	
	Depth	220 mm	
	Height	130 mm	

[1)] Different control modes possible depending on system configuration
[2)] For internal communication between Xtend™ modules within a system

● included / required
○ 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.

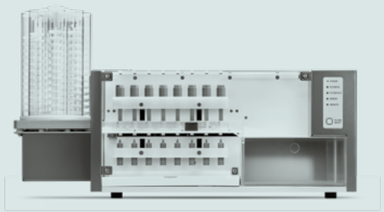
Filter Station

FS filter station

Automatically exchange syringe filters at multiple timepoints during dissolution runs.

S F

sotax.com/FS



- Avoid saturation or clogging of filters
- Ideal for delayed release (DR) and modified release (MR) methods with multiple timepoints
- Handles standard 25 mm syringe filters with various porosities
- Easily execute filter studies to compare different style filters
- Robust and reliable filtration on 6 – 8 channels simultaneously
- Stackable with other Xtend™ modules to save bench space

Reproducible filtration.

Automatically changing filters increases reproducibility as it prevents saturation and clogging. The modular station can be programmed to always change filters before sampling – or only at selected timepoints if filter saturation permits multiple use. For methods that do not require any filtration, no change of the overall system setup or tubing is required.

Integrated FS-F

Using identical components, the FS-F is a built-in module of the ATF Xtend™. Filters are changed automatically before each test. To allow for an entire series of unattended test runs, the FS-F comes with a high-capacity filter magazine.

		FS Filter Station	FS-F Filter Station
Xtend™	Module type	Benchtop	Integrated
# Channels		6 / 7 / 8	7
Filter	Type	25 mm syringe filter	25 mm syringe filter
	Max. porosity	0.2 microns[1)]	0.2 microns[1)]
Capacity		120 / optionally 450	120 / optionally 450
Control modes	Manual (with integrated panel)	●	–
	Remote control[2)]	●	●
Interfaces[3)]	USB	●	●
	CAN	●	●
Power supply		115 – 230 V / 50 – 60 Hz	115 – 230 V / 50 – 60 Hz
Dimensions	Width	707 mm	
	Depth	284 mm	
	Height	407 mm	

[1)] Only in combination with CP / CP-F piston pump pushing through filters
[2)] Different control modes possible depending on system configuration
[3)] For internal communication between Xtend™ modules within a system

● included / required
○ optional

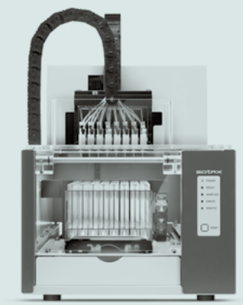
Sample Collectors

SAM SR

Single-rack sample manager for standard collection requirements of semi-automated systems.

S

sotax.com/SAM-SR



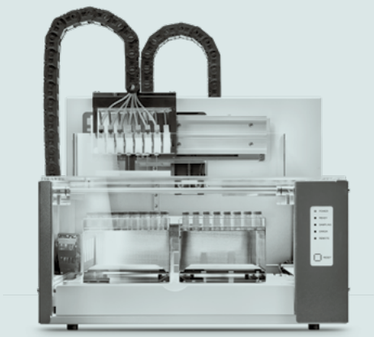
- Single rack (standard) or up to three wellplates for capped LC vials
- 15 timepoints with standard racks (glass tubes / capped LC vials)
- Up to 18 timepoints with LC wellplates
- Inject samples directly into your liquid chromatography system
- Stackable with other Xtend™ modules to save bench space

SAM S

Dual-rack sample manager for double systems, fully automated systems, and increased capacity demands.

S F

sotax.com/SAM-S



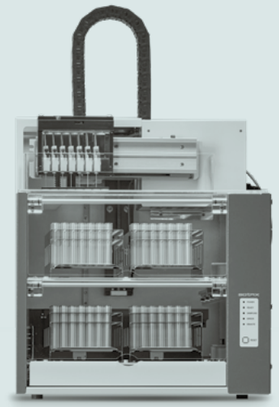
- Simultaneous collection from two baths in separate racks possible
- Two racks (standard) or up to six wellplates for capped LC vials
- 30 timepoints with standard racks (glass tubes / capped LC vials)
- 36 timepoints with LC wellplates
- Stackable with other Xtend™ modules to save bench space
- Collect different sampling volumes for all vessels in standard glass tubes

SAM M

High-capacity sample manager with maximum storage space for hundreds of dissolution samples.

S F

sotax.com/SAM-M



- Four racks (standard) or up to 12 wellplates for capped LC vials
- 60 timepoints with standard racks (glass tubes / capped LC vials)
- 72 timepoints with LC wellplates
- Stackable with other Xtend™ modules to save bench space

Glass tubes.

Collect samples in standard glass tubes for subsequent analysis. From small to large sampling volumes.

Capped LC vials.

Guided needle piercing for closed LC caps. Sample into standard HPLC vials with 2 mL, 4 mL, or 6 mL volumes.

LC wellplates.

Avoid manual re-racking and collect samples in LC wellplates that can be directly inserted into your HPLC.

Sample Collectors

Sample management.
Replace withdrawn sample volumes to maintain a constant dissolution volume in the system. The SAM sample manager can be used to add or replace media, dilute, and/or inject samples into an LC or a UV-Vis spectrophotometer.

Automated LC injection.
Equipped with an additional single needle, the SAM automatically injects collected samples one-by-one into your liquid chromatography system (HPLC / UPLC) while regular sampling and collection continues. Reducing time-to-result to an absolute minimum, the unattended process allows to run your system over night.

Cooling.
Avoid degradation of collected samples by adding optional cooling to your SAM sample manager. Particularly useful for your most delicate products – either for offline collection or cooling of buffered samples with LC On-/ Offline systems.

Double systems.
Configure your SAM S or SAM M with two sampling modules for simultaneous collection from two dissolution baths. Samples are stored in separate racks.

Automation.
The SAM has been designed for use in benchtop dissolution systems and for integrated operation with fully automated ATF Xtend™ solutions. Available in different capacities, the SAM can be flexibly configured to meet your specific automation needs.

Xtend™ Modules
Sample Collectors

		SAM SR	SAM S	SAM M
Xtend™	Module type	Universal	Universal	Universal
# Channels		6 / 7 / 8	6 / 7 / 8	6 / 7 / 8
SOTAX racks	# Racks	1	2	4
	Timepoints (single system)	15	30	60
	Timepoints (double system)	–	15	30
	Glass tubes (12 mL / 20 mL)	○	○	○
	LC vials (2 mL / 4 mL / 6 mL)	○	○	○
Waters™ LC wellplates (48 wells)	# Wellplates	3	6	12
	Timepoints (single system)	18	36	72
	Timepoints (double system)	–	18	36
	Max. sampling volume	2 mL	2 mL	2 mL
Agilent® LC wellplates (54 wells)	# Wellplates	3	6	12
	Timepoints (single system)	18	36	72
	Timepoints (double system)	–	18	36
	Max. sampling volume	2 mL	2 mL	2 mL
Whatman® LC wellplates (96 wells)	# Wellplates	2	4	6
	Timepoints (single system)	24	48	96
	Timepoints (double system)	–	24	48
	Max. sampling volume	2 mL	2 mL	2 mL
Whatman® LC wellplates (48 wells)	# Wellplates	2	4	6
	Timepoints (single system)	12	24	48
	Timepoints (double system)	–	12	24
	Max. sampling volume	5 mL	5 mL	5 mL
Sample outlet	Cannula (Ø 1.47 mm)	○	○	○
	Needle (Ø 1.07 mm)	○	○	○
LC options	Single needle[1)]	–	○	○
	Needle wash	–	○	○
	Single syringe[2)]	–	○	○
	Injection valve[3)]	–	○	○

[1)] Single needle to take sample from individual vials (requires single syringe pump)
[2)] Single syringe (1.5 / 2.5 / 5 / 10 mL) mounted on SAM to take sample from vial and to fill loop of HPLC (pull) or SAM (push)
[3)] Injection valve (5'000 / 10'000 / 15'000 psi) mounted on SAM to push to HPLC

Interfaces[1)]	USB	●	●	●
	CAN	●	●	●
Power supply		115 – 230 V / 50 – 60 Hz	115 – 230 V / 50 – 60 Hz	115 – 230 V / 50 – 60 Hz
Dimensions	Width	400 mm	600 mm	600 mm
	Depth	800 mm	800 mm	800 mm
	Height	650 mm	650 mm	950 mm

[1)] For internal communication between Xtend™ modules within a system

● included / required
○ 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.

Handling Station

RS robotic station

Automated basket exchange and sinker retrieval for ATF Xtend™ fully automated systems.

F

sotax.com/RS

- Unattended exchange of baskets for USP 1 dissolution tests
- Safe and protected basket storage for up to 32 dissolution batches
- Automated sinker retrieval for paddle methods (USP 2)
- Retrieve different types of sinkers from small to large including Japanese sinkers
- Used baskets and sinkers are collected in a separate container for cleaning
- Retrofittable with ATF Xtend™ fully automated systems

Basket exchange.

Automate your basket placements during USP 1 methods for a series of dissolution tests. The baskets containing the dosage form are safely stored on the RS awaiting their transfer to the ATF Xtend™. In standard configuration, the system capacity can be anywhere from a single batch to 32 unattended runs.

Sinker retrieval.

The RS robotic station automatically removes sinkers from vessels upon test completion – allowing for unattended execution of multiple dissolution runs with and without sinkers.

		RS Robotic Station
Xtend™	Module type	Add-on
Robot	Type	4-axis sample handler with servo gripper
Gripper	for baskets	●
	for sinkers	○
Basket loading	Rack capacity	4 × 6 baskets
	Max. # of racks	8
	Batch runs	32
Disposal tray	For used baskets / sinkers	●
	Fillable with liquid for pre-cleaning	●
	Drop detection	●
Interface[1)]		10 / 100 Mbps Ethernet port
Power supply		115 – 230 V / 50 – 60 Hz
Dimensions	Width	637 mm
	Depth	761 mm
	Height	1'586 mm
Weight		108 kg

[1)] For internal communication between Xtend™ modules within a system

● included / required
○ optional

Media Stations

MPS

Mobile media preparation station to heat, degas, and dispense into the vessels of multiple baths.

M S

sotax.com/MPS

- Brings up to 20 liters of prepared dissolution medium to your baths
- Robust unit that can be easily moved
- Reproducible degassing at USP and FDA recommended levels
- Fill vessels with the exact volume of dissolution medium
- Eliminate waiting times by dispensing accurately heated and degassed medium into vessels
- Documented evidence that proper procedure has been followed

MP-F

Integrated media preparation station for ATF Xtend™ fully automated dissolution systems.

F

sotax.com/MP-F

- Conditioning of media coming from external containers
- Preparation of media with 1 – 2 concentrates
- Highly effective vacuum degassing for complete and cost-efficient deaeration
- Gravimetric confirmation of delivered volumes
- All media types including foaming media with surfactants
- Self-cleaning media tank with power-washing routines

		MPS
Module type		Stand-alone
Tank volume		20 litres
Vessel filling	Single-channel pump	max. 1'500 mL / min
Media ports		2
Dosing accuracy		50 – 80 mL ± 0.8 mL 80 – 1'000 mL ± 1%
Preparation time		ca. 800 mL / min. (for 10 L approx. 12 min.)
Temperature range		20 – 45 °C
Concentrate ratio		1:2 up to 1:20
Power supply		115 – 230 V / 50 – 60 Hz
Dimensions	Width	500 mm
	Depth	800 mm
	Height	1'200 mm
Weight		ca. 90 kg

		MP-F
Xtend™	Module type	Integrated
# Channels		7
Tank volume		10 litres
Vessel filling	Single-channel pump[1]	2'000 mL / min
	Muilti-channel pump[2]	300 mL / min (parallel filling)
Sample replacement		Simultaneously on all channels[2]
Media ports		6
Concentrate ratio		1:2 up to 1:50
Medium addition	Multi-channel pump[2]	300 mL / min
	Medium valve[2]	25 mL / min
Preparation modes	Conditioning in tank	From any of the 6 media ports
	Prepare water + 1 concentrate	From 1 media port (water is a fix port)
	Prepare water + 2 concentrates	From 2 media ports (water is a fix port)
	Direct from port to vessel[3]	From any of the 6 media ports

[1] sequential filling
[2] parallel filling
[3] only with multi-channel pump

● included / required
○ optional

Analytical Devices

Specord® UV-Vis

S F

sotax.com/Specord

High performance double beam spectrophotometer for integration with single & double systems.

- Cell changer for single (6 – 8 vessels) and double (12 – 16 vessels) systems
- Immediate performance without any warm-up phase required
- Two temperature-controlled detectors for outstanding long-term stability
- Internal holmium oxide filter for automatic wavelength calibration and optimized accuracy
- Quartz-coated high-end optics with full encapsulation

UV7 UV-Vis

S F

sotax.com/UV7

Compact and very fast diode array spectrophotometer for integration with UV Online systems.

- Full spectrum scan in less than 1 second with 2048 channel CCD array detector
- Robust space-saving design with minimum footprint requirements
- Quartz glass fibers guarantee excellent signal to noise ratio with optimal light guidance and yield
- Long-life pulsed Xenon flash lamp for stable and repeatable measurements
- Open sample area with automated cell changer for 6 – 8 channels

HPLC / UPLC

S F

sotax.com/HPLC

Direct injection of dissolution samples into any liquid chromatography system (HPLC / UPLC).

- Integration of all liquid chromatography systems / brands possible
- Automatically fill the injection loop of your HPLC / UPLC
- Reduce time-to-result to an absolute minimum for your most critical products
- No more re-racking of collected dissolution samples
- Run dissolution tests including automated LC injection over night

EmpowerLink™

Link protocolled test conditions of your samples to chromatography results. Automatically create HPLC / UPLC run lists in Waters™ Empower software to streamline testing and analysis tasks in your lab while maintaining full data integrity of the complete process.

LC wellplates.

Avoid manual re-racking with your offline methods and collect samples in LC wellplates that can be directly inserted into your liquid chromatography system.

		Specord® 200 Plus	Specord® 210 Plus
Spectral	Bandwidth	1.4 nm	0.2 / 0.5 / 1 / 2 / 4 nm
	Resolution	1.6 – 1.8 (toluene in hexan)	2.3 – 2.5 (toluene in hexan)
Wavelength	Range	190 – 1'100 nm	190 – 1'100 nm
	Accuracy	± 0.5 nm (Holmiun filter)	± 0.5 nm (Holmiun filter)
Photometric	Range	± 3 Abs	± 3 Abs
	Accuracy VIS	± 0.003 Abs	± 0.003 Abs
	Accuracy UV	± 0.01 Abs	± 0.01 Abs
Stray light	198 nm (KCl)	≤ 0.3 % T	≤ 0.3 % T
	220 nm (NaI)	≤ 0.03 % T	≤ 0.03 % T
	240 nm (NaI)	≤ 0.03 % T	≤ 0.03 % T
	340 nm ($NaNO_2$)	≤ 0.02 % T	≤ 0.01 % T
Light source		Deuterium and tungsten lamps	Deuterium and tungsten lamps
Optics	Double beam	●	●
Channels	Single system[1)]	●	●
	Double system[2)]	●	●
Dimensions	Width	590 mm	590 mm
	Depth	690 mm	690 mm
	Height	290 mm	290 mm
Weight		22 kg	22 kg

[1)] Requires cell changer
[2)] Requires two cell changers

		UV7
Optics	Single beam	Fast Track™ Technology
	Type	In-plane aberration corrected grating spectograph
Light source		Xenon lamp
Detector		2'048 pixel CCD array detector
Measuring range		190 – 11'100 nm
Wavelength accuracy		< ± 0.8 nm
Measurement duration		Typical 5 s, min 1 s
Data intervals		0.2 nm
Photometric accuracy		< ± 0.01 A (Potassium dichromate)
Stray light		> 2 A at 198 nm (Potassium chloride)
Resolution		> 1.9 toluene in hexane
Dimensions	Width	194 mm
	Depth	129.5 mm
	Height	56.7 mm

● included / required
○ 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.

Apparatus Types

Basket
(USP 1)

Basket
(USP 1)

Paddle
(USP 2)

Paddle
(USP 2)

Rotating cylinder
(USP 6)

Rotating cylinder
(USP 6)

China paddle

Mini paddle

Intrinsic
dissolution

Paddle over disk
(USP5)

Paddle over disk
(USP5)

Vessel Types

Glass vessel
(1 liter)

Polycarbonate vessel
(1 liter)

UV-protected vessel
(1 liter)

Glass vessel
(2 liters)

Mini vessel

Peak vessel

China vessel

MB10047EN_01

SOTAX Worldwide.

Europe

Switzerland (HQ Europe)
Aesch / Basel
P Tech Support +41 61 487 5460
P Office +41 61 487 5454
info@sotax.com

Czech Republic
Prague
P Tech Support +41 61 487 5460
P Office +420 246 039 260
sotaxCZ@sotax.com

France
Saint-Louis
P Tech Support +41 61 487 5460
P Office +33 3 8970 0846
info@sotax.com

Germany
Lörrach
P Tech Support +41 61 487 5460
P Office +49 7621 16 5635
info@sotax.com

Great Britain
Foston, Derbyshire
P Tech Support +44 1332 981 571
P Office +44 1332 981 303
sotaxGB@sotax.com

Italy
Milan
P Tech Support +41 61 487 5460
P Office +39 02 8363 2641
sotaxitalia@sotax.com

Ireland
Longford, Co. Longford
P Tech Support +353 43 334 7779
P Office +353 43 334 7779
sotaxIE@sotax.com

Americas

USA (HQ Americas)
Westborough, MA
P Tech Support +1 508 544 4040
P Office +1 508 417 1112
sotaxUSA@sotax.com

Canada
Westborough, MA
P Tech Support +1 508 544 4040
P Office +1 508 417 1112
sotaxcanada@sotax.com

Asia-Pacific

Thailand (HQ Asia-Pacific)
Bangkok
P Tech Support +91 99 202 11 211
P Office +66 20 02 71 15
sotaxasia@sotax.com

India
Mumbai
P Tech Support +91 99 202 11 211
P Office +91 22 4295 0191
sotaxindia@sotax.com

sotax.com