

ASX Sampler Information



Sample Probe Kits for all ASX Sampler



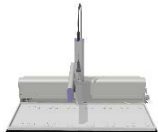

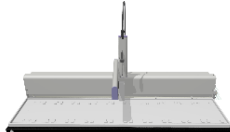
PTFE coated (Kit with Ferrule and Nut)	p/n
0.75 mm	168+B965-02
1.0 mm	168+B965-03
1.5 mm	168+B965-04

Steel (Kit with Ferrule and Nut)	p/n
0.5 mm	168+B965-11
0.8 mm	168+B965-12

Number of Pumps and installed Pump Heads

Probe Mode	Pump 1 (number of pump heads)	Pump 2 (number of pump heads)	Pump 3 (number of pump heads)
Single	2 x Wash	1 x Drain	---
Dual	2 x Wash	1 x Drain	---
Triple	2 x Wash	1 x Wash	1 x Drain
Quadruple	2 x Wash	2 x Wash	1 x Drain



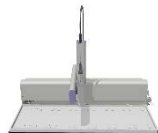

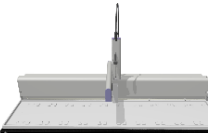
ASX Sampler Standard (Hardware Specification)

SEAL AutoSampler	AS2	AS4	AS6	AS8	AS10
Photo					
Base plate size (W x D) <i>(with cables and tubing)</i>	440 mm x 470 mm	680 mm x 470 mm	920 mm x 470 mm	1160 mm x 470 mm	1400 mm x 470 mm
Height <i>(with Z-drive and tubing)</i>	660 mm				
Net Weight <i>(without racks and cups)</i>	15 kg (approx.)	19 kg (approx.)	23 kg (approx.)	27 kg (approx.)	31 kg (approx.)
External Power Supply	Input 100 – 240 VAC, 1.4 A Output: 24 VDC, 5.0 A				
Temperature Non-Operating	5 °C – 45 °C, 20 – 80% RH				
Temperature Operating	10 °C – 35 °C, 20 – 80% RH				

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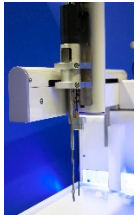
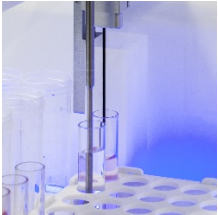

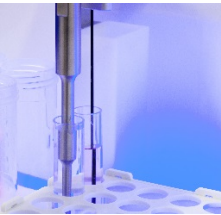
ASX Sampler Standard (Probe Mode and Racks)

SEAL AutoSampler	AS2			AS4				AS6			AS8				AS10		
Photo																	
Probe Mode	Single	Dual	Triple	Single	Dual	Triple	Quadruple	Single	Dual	Triple	Single	Dual	Triple	Quadruple	Single	Dual	Triple
Max. Number of Sample Racks	2			4 (Gilson: 5)				6			8 (Gilson: 10)				10		
Positions per Sample Rack (Rack combinations are not supported by AACE)	21 24 40 60 90	90	90	21 24 40 44 Gil. 60 90	90	90	60 Gil.	21 24 40 60 90	90	90	21 24 40 44 Gil. 60 90	90	90	60 Gil.	21 24 40 60 90	90	90
Number of Samples per Sample Probe	42 48 80 120 180	90	60	84 96 160 220 240 360	180	120	75	126 144 240 360 540	270	180	168 192 320 440 480 720	360	240	150	210 240 400 600 900	450	300
Max. Number of Calibrant Racks	1			1				1			1				1		
Type of Calibrant Rack	Type 1 / 3	Type 2		Type 1 / 3	Type 2	<i>new Type</i>		Type 1 / 3	Type 2		Type 1 / 3	Type 2	<i>new Type</i>		Type 1 / 3	Type 2	
Positions per Calibrant Rack	22 / 12		42	22 / 12		42	?	22 / 12		42	22 / 12		42	?	22 / 12		42
Number of Calibrants per Sample Probe	22 / 12	11 / 6	14	22 / 12	11 / 6	14	?	22 / 12	11 / 6	14	22 / 12	11 / 6	14	?	22 / 12	11 / 6	14

ASX Sampler Information



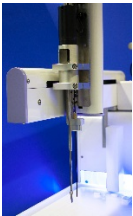
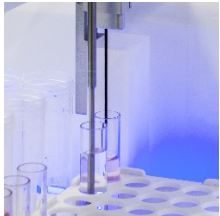

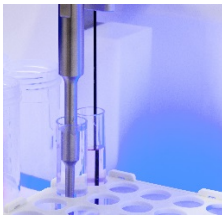
Ultrasonic / Paddle Mixing - ASX Sampler (Hardware Specification)

SEAL AutoSampler	AS2 P Paddle Mixer	AS4 P Paddle Mixer	AS4 U Ultrasonic	AS8 U Ultrasonic
Photo				
Base plate size (W x D) <i>(with cables and tubing)</i>	440 mm x 510 mm	680 mm x 510 mm	680 mm x 510 mm	1160 mm x 510 mm
Height <i>(with Z-drive and tubing)</i>	800 mm			
Net Weight <i>(without racks and cups)</i>	18 kg (approx.)	22 kg (approx.)	25 kg (approx.)	35 kg (approx.)
Ultrasonic Power	-----		0 – 50 W, 20 kHz	
Paddle Mixer Power / Speed	7 W / min. 1200 rpm		-----	
External Power Supply	Input 100 – 240 VAC, 1.4 A Output: 24 VDC, 5.0 A			
Temperature Non-Operating	5 °C – 45 °C, 20 – 80% RH			
Temperature Operating	10 °C – 35 °C, 20 – 80% RH			

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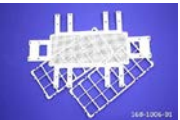
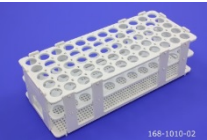
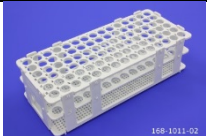



Ultrasonic / Paddle Mixing - ASX Sampler (Probe Mode and Racks)

SEAL AutoSampler	AS2 P Paddle Mixer		AS4 P Paddle Mixer		AS4 U Ultrasonic		AS8 U Ultrasonic	
Photo								
Probe Mode	Single	Single	Dual	Single	Dual	Single	Dual	
Max. Number of Sample Racks	2	4	5	4	5	8	10	
Positions per Sample Rack	60	60	44 (Gilson)	60	44 (Gilson)	60	44 (Gilson)	
Number of <u>pre-treated</u> Samples per Sample Probe	110 (no mixing in first row)	220 (no mixing in first row)	165 (no mixing in first row)	220 (no ultrasonic in first row)	165 (no ultrasonic in first row)	220 (no ultrasonic in first row)	330 (no ultrasonic in first row)	
Cup (mL) for Sample Rack	10 mL	10 mL	10 mL	10 mL (glass)	10 mL (glass)	10 mL (glass)	10 mL (glass)	
Max. Number of Calibrant Racks	1	1		1		1		
Type of Calibrant Rack	Type 3	Type 3		Type 3		Type 3		
Positions per Calibrant Rack	12	12		12		12		
Number of Calibrants per Sample Probe	12	12	6	12	6	12	6	
Cup (mL) for Calibrant Rack	50 mL	50 mL		50 mL		50 mL		

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Racks and Cups for all ASX Samplers

Sample Racks (Positions)	Rack p/n	Positions (W x L)	Photo	Cup volume (mL)	Cup size (mm)	Cup p/n	Cups / pkg.
21	168-1006-01	3 x 7		50	29 x 115	168+1013-01	1
24	168-1007-01	3 x 8	No photo available	25	25 x 95	168-1003-01	100
40	168-1008-01	4 x 10	No photo available	20	21.5 x 100	168+1020-01	1
Gilson 44	?	4 x 11	No photo available	?	?	?	?
60	168-1010-02	5 x 12		10	16 x 100	168-1001-01	1600
				5	16 x 43	171-0354-01	1000
				10 (glass)	16 x 100	168+1015-01	100
Gilson 60	?	4 x 15	No photo available	?	?	?	?
90	168-1011-02	6 x 15		8	13 x 100	168-1000-02	1792
Calibrant Racks							
Type 1 (single + dual)	168+9411-01	2 x 1		50	29 x 115	168+1013-01	1
		2 x 10		10	16 x 100	168-1001-11	100
Type 2 (triple)	168+9413-01	3 x 14		8	13 x 100	168-1000-02	1792
Type 3 (single + dual)	168+9412-01	2 x 6		50	29 x 115	168+1013-01	1
New Type (quadruple)	?	4 x ?	?	?	?	?	?