

WATER PURIFICATION SYSTEMS



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SYSTEMS

SCI-AQUA ROWAPUR



Reverse Osmosis Systems
&
Deionised Water

SCI-AQUA ULTRAPUR



Ultrapure Water

SMART PUV



Ultrapure Water

SMART PLUS N



Ultrapure Water

	SCI-AQUA ROWAPUR BASIC	SCI-AQUA ROWAPUR	SCI-AQUA ROWAPUR DEMI	SCI-AQUA ULTRAPUR	SMART PUV	SMART PLUS N
Output water quality	TYPE III	TYPE III	TYPE II, [USP/EP PW]	TYPE I	TYPE I, DNase, RNase free	TYPE I, DNase, RNase free
Source water	Tap water	Tap water	Tap water	RO, DI water	RO, DI water	Tap water
Pretreatment	✓	✓	✓			✓
Booster Pump	optional	optional	optional	optional		✓
Reverse Osmosis	✓	✓	✓			✓
Automatic shut-off valve		✓	✓			✓
Deionization cartridge			✓			✓
UV lamp	optional	optional	optional	optional		
Dual wavelength UV Lamp				optional	✓	✓
Ultra purification cartridges				✓	✓	✓
Microfiltration cartridge					✓	
Ultrafiltration cartridge						✓
Point of use (0,2 µm) filter				optional	✓	✓
Conductivity tester	optional	optional	✓			
Digital conductometer				✓	✓	✓

TYPICAL APPLICATION

	SCI-AQUA ROWAPUR BASIC	SCI-AQUA ROWAPUR	SCI-AQUA ROWAPUR DEMI	SCI-AQUA ULTRAPUR	SMART PUV	SMART PLUS N
Washing machines	✓	✓				
Glassware rinsing	✓	✓				
Steam generators	✓	✓				
Hydroponics	✓	✓				
Stability chambers	✓	✓				
Autoclave feed	✓	✓				
Aquarium	✓	✓				
Reagent preparation			✓	✓	✓	✓
Microbiological analysis			✓	✓	✓	✓
AAS				✓	✓	✓
HPLC				✓	✓	✓
RIA/ELISA				✓	✓	✓
Pharmaceutical analysis				✓	✓	✓
PCR					✓	✓
Plant tissue culture					✓	✓
Ion chromatography				✓	✓	✓
Electrochemistry					✓	✓
Ultra trace analysis					✓	✓

STANDARDS

		Rezistivity (M Ω .cm)	Conductivity (μ S/cm)	TOC (p.p.b.)	Na+ (p.p.b.?)	Cl- (p.p.b.?)	Bacteria (cfu/ml)	SO42- (p.p.m.)	Ammonia (p.p.m.)	Ca2+ (p.p.m.)
ASTM Type I	Ultrapure Water	>18	<0,056	<50	<1	<1				
ASTM Type II	Pure Water	>1	<1	<50	<5	<5				
ASTM Type III				<200	<10	<10				
USP Purified Water			<1,3	<500		<0,5	<100	<1	<0,03	<1
EP Purified Water							<100		<0,2	



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