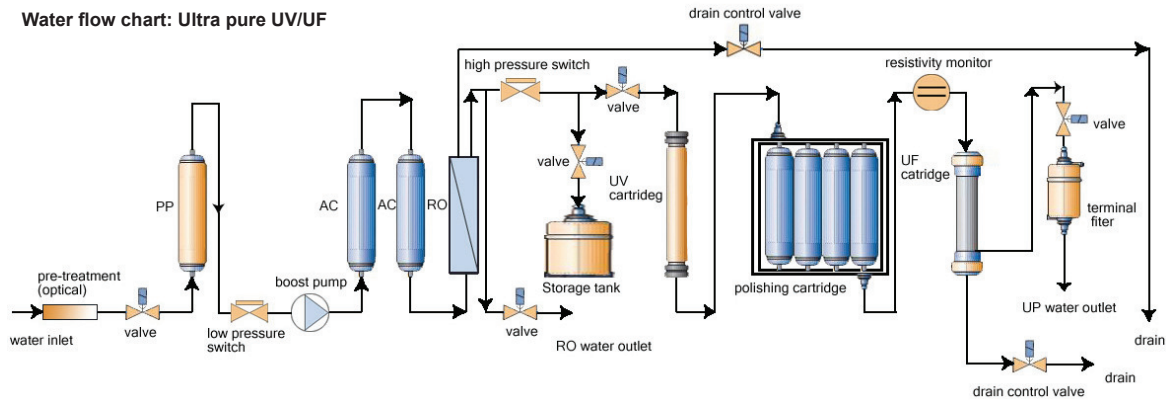


Water flow chart: Ultra pure UV/UF



Low Range RO Series Water Purification System, Inlet: Tap Water



ST-RO lab / RO lab plus



ST-RO DI / RO DI plus



ST-RO DI digital / RO DI digital plus

Specification of Low Range RO Series Water Purification System

Model	RO System		RO Deionization System		
	ST-RO lab	ST-RO lab plus	ST-RO DI / ST-RO DI Digital	ST-RO DI plus / ST-RO DI Digital plus	
Flow Procedure	PF + AC + RO + AC	PF + AC + RO + AC	PF + AC + RO + DI	PF + AC + RO + DI	
Application	Glassware washing, agricultural experiment, general biological experiment, aquatic products feeding, inlet water for ultra pure water purifier, inlet water for sterilizer/ T&H chamber		Buffer preparation, aseptic drinking water, physical and chemical analysis, chemical industry, inlet water for ultra pure water purifier, GC/ HPLC		
Filtration System	LV. 1	Tap water inlet filter (optional)	Tap water inlet filter 10" PP filter	Tap water inlet filter (optional)	Tap water inlet filter 10" PP filter
	LV. 2	Special PP filter	Special Carbon filter	Special PP filter	Special Carbon filter
	LV. 3	Special Carbon filter			
	LV. 4	Special Carbon filter			
	LV. 5	100GPD RO membrane**	2 x 100GPD RO membrane**	100GPD RO membrane**	2 x 100GPD RO membrane**
	LV. 6	Intensive carbon filter		Mixed bed A x 2	Mixed bed (A+B) x 2****
Water Quality	Rejection Rate	96-98*	Nearly 100*		
	TDS ppm	5-10	RO water: 5-10		
	Resistivity MΩ-cm	-	13-16		
	Conductivity uS/cm	-	0.077 - 0.063		
Production	1. Type III primary grade water		2. Type III primary water & deionization water		
Control System	Automatic electronic pressure sensor control, RO membrane auto flushing, automatic cut off without water, automatic cut off when water tank full, automatic cut off water supply when pump stop, guaranteeing 24 hours production				
Digital Water Monitor	Optional TDS test pen		Double passage TDS monitor/ LCD resistivity monitor		
Inlet Water Requirement	Tap water: TDS <200, 5-40°C, 1.0-3.5kg/ cm ²				
Output (25°C)	15L/ hour	30L/ hour	15L/ hour	30L/ hour	
Instantaneous output L/ min	1.5L/ min (with pressure tank)				
External Dimension (H x W x D) cm	42 x 41 x 22				
Weight	12-14kg				
Standard Configuration	Main body + 1 set purifying + cartridge + 3.2 gallon tank	Main body + 1 set purifying + cartridge + 11 gallon tank	Main body + 1 set purifying + cartridge + 3.2 gallon tank	Main body + 1 set purifying + cartridge + 11 gallon tank	

* Inlet water: TDS200ppm, 25°C, 50psi & 15% recovery rate
 ** GPD = gallon per day
 *** The quality of inlet water will effect outlet's and cartridge's life
 **** Big volume mixed bed for option

PF: Retreating
 AC: Active carbon
 RO: Reverse osmosis
 DI: Ion exchange
 UV: Ultraviolet (Double wavelength: 254, 185nm)
 UF: Ultrafiltration
 DMF: Double membrane filtration

Specification can be changed without any prior notice