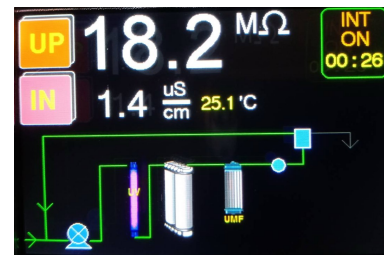


เครื่องผลิตน้ำปราศจากประจุไอออน

WATER PURIFICATION SYSTEM 15 / 18.2 MΩ

ULTRAPURE WATER

M
S
E
C
O



เป็นเครื่องกรองน้ำบริสุทธิ์ โดยอาศัยหลักการกรองจาก-
ระบบน้ำภายในห้องปฏิบัติการซึ่งภายในเครื่องประกอบด้วย

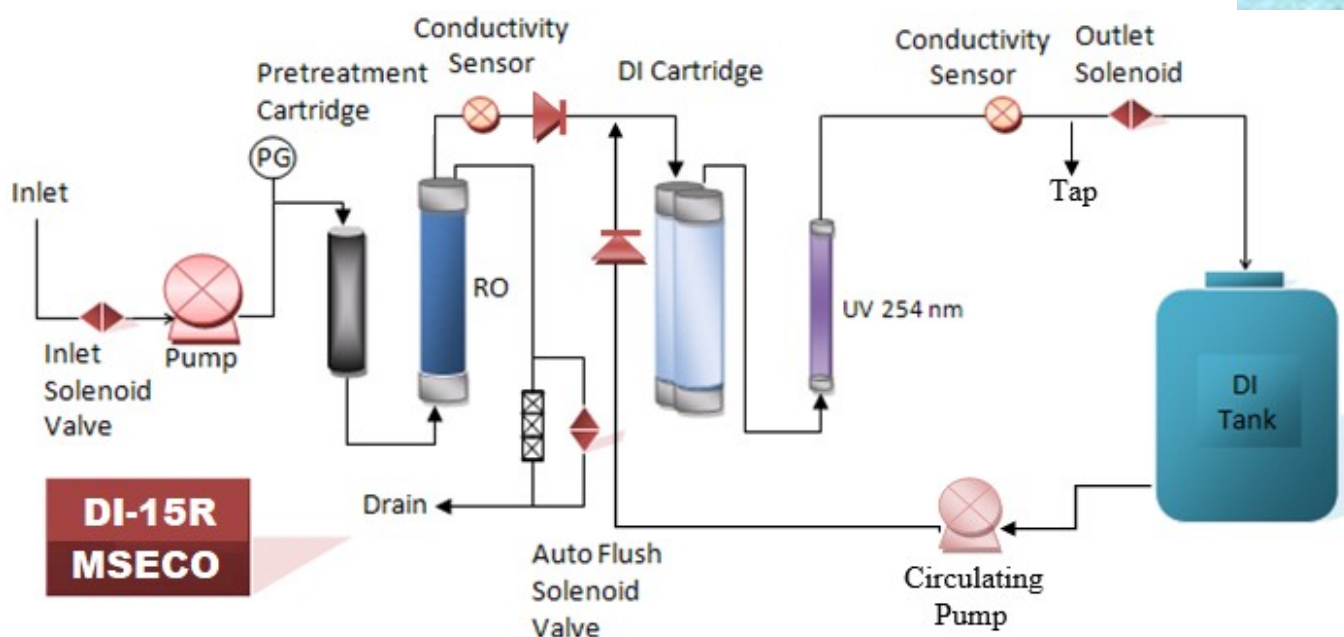
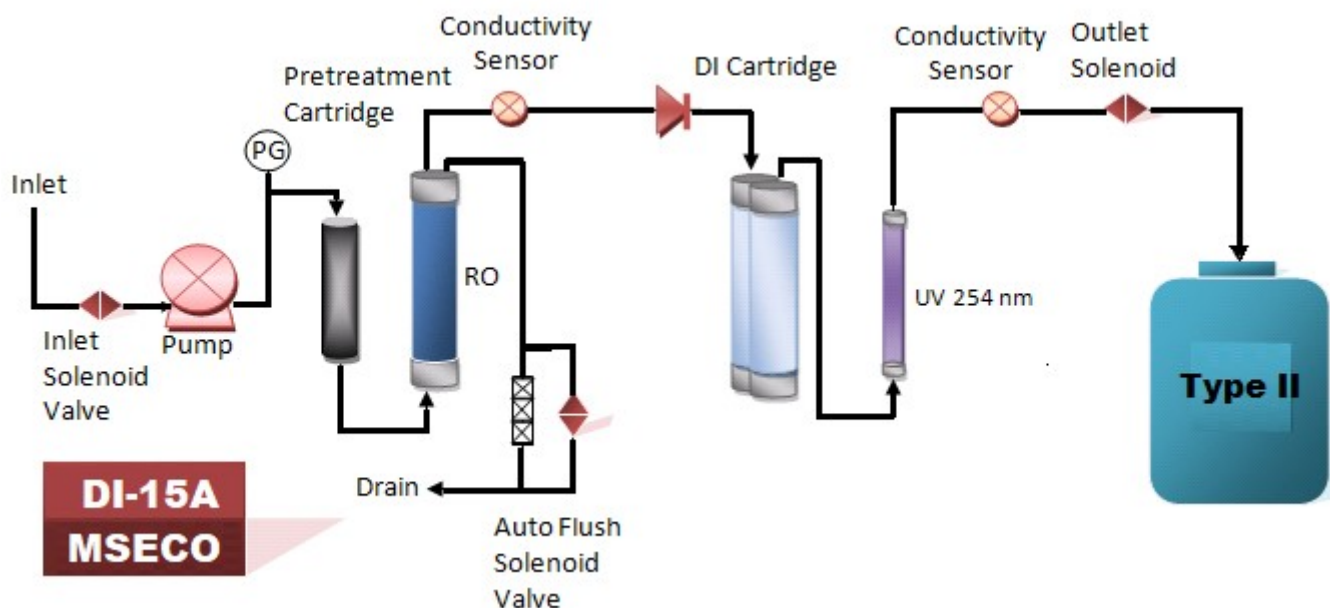
- ตัวเครื่องอะลูมิเนียม aluminum coat epoxy
- ชุดกรองเบื้องต้น Pretreatment system
- ชุดกรอง REVERSE OSMOSIS (RO) 0.0001 nm
- ชุดกรอง ION/ORGANIC REMOVAL แบบ – TWIN DI CARTRIDGE PACK
- Ultra violet lamp
- Final Filter 0.22 micron (Optional)
- ระบบควบคุมการทำงานของเครื่องเป็นระบบ ไมโครโปรเซสเซอร์ (microprocessor control)
- หน้าแสดงผลเป็น LCD /Back light
- Alarm/Safety system ระบบเสียงเตือน/ ข้อความ:
 - เตือนค่าคุณภาพน้ำต่ำ (Low Quality)
 - เตือนเมื่อไม่มีน้ำเข้า (Feed low)
 - เตือนเมื่อน้ำเต็มถัง (Full Tank)
 - หลอดยูวีหมดอายุการใช้งาน (UV Expired)
 - เตือนอุณหภูมิเกิน (Over Temperature)
- Stainless Pressure Gauge
- Flow Volume Meter
 - แสดงปริมาณน้ำที่ใช้ (ลิตร)
 - อัตราการผลิตน้ำ (ลิตร/นาที)
- AC line Noise Filter

MSECO

Flow Diagram

- DI-15A → RO+Type II water
- DI-15R → Type II Water with Circulation
- ULP-100 UVF → Type I water (DI, UV, UF)
- ULP-100P → 2 in 1 Type I + Type II

M
S

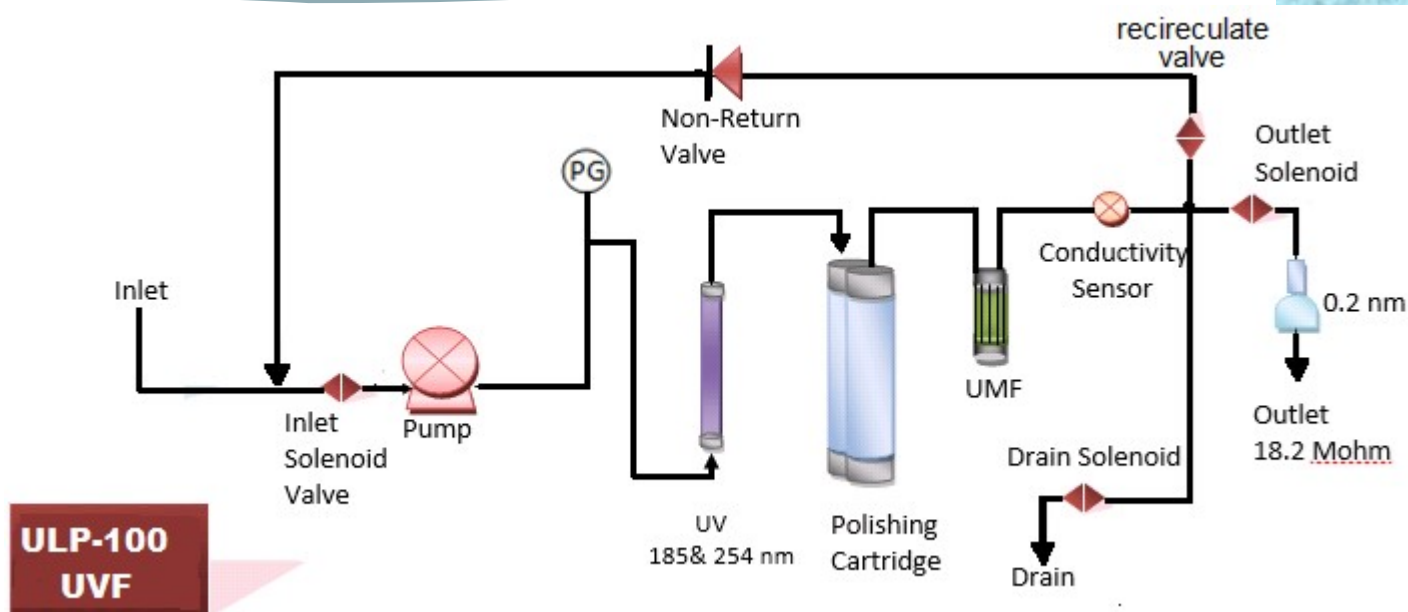


DI-15A, DI-15R (Type II): for General Lab Practices, Microbiological Analysis and preparation Electrochemistry, FAAS, General Spectrophotometry, It can also be used as feed water for Type I water production

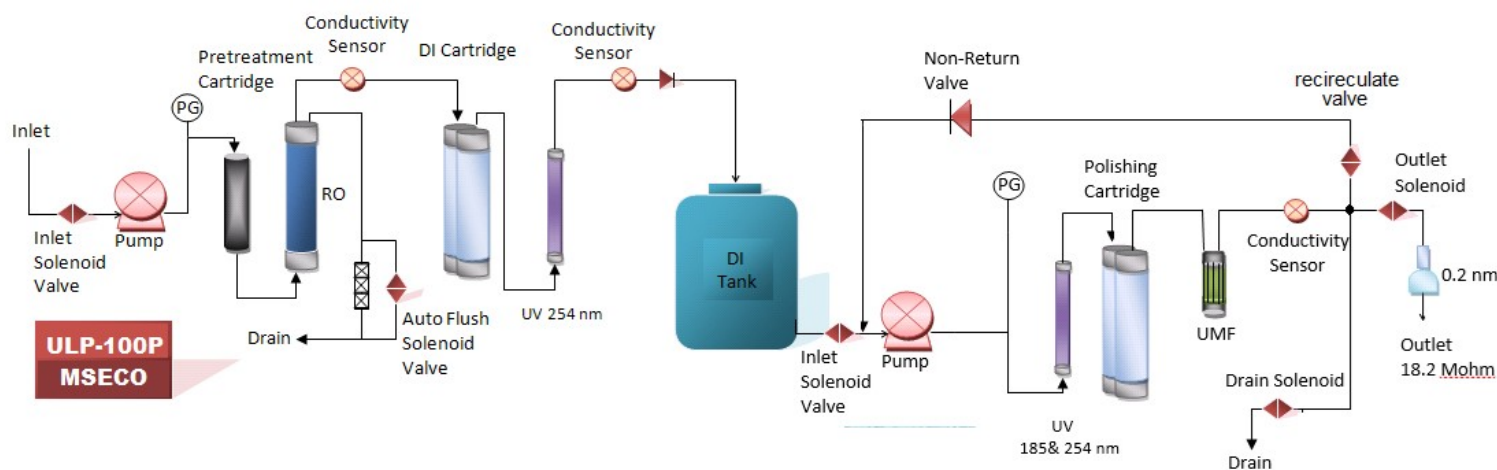
DI-15A, DI-15R water purification systems produce high purity water as required by international standards (ASTM D1193 Type II, CAP, ISO 3696 and CLSI)

MSECO

Flow Diagram



ULP-100 (Type I): delivers analytical-grade ultrapure water that is suitable for trace and ultra-trace elemental analyses, including ICP-MS, HPLC, GF-AAS, TOC Analysis, Electrochemistry, and trace IC.



ULP-100P (Type I + Type I) : 2 in 1 , delivers analytical-grade type II and type I water that is suitable for general lab, trace and ultra-trace elemental analyses, including ICP-MS, HPLC, GF-AAS, TOC Analysis, Electrochemistry, and trace IC. Systems produce high purity water as required by international standards (ASTM D1193 Type II, CAP, ISO 3696 and CLSI)

MSECO Purification system

Technical Data Type II

Model	DI-15 [Type II]	DI-15R [Type II] With Circulation system	
Conductivity at 25 'C	1 - 0.067 μ S	1- 0.067 μ S	
Resistivity at 25 'C	1-15 M Ω -cm	1-15 M Ω -cm	
TOC (ppb)	< 30 ppb	< 30 ppb	
Bacteria	N/A	N/A	
Bacteria endotoxin	-	-	
Sodium (ug/l), max	5	5	
Chloride (ug/l), max	5	5	
Silica (ug/l), max	3	3	
PH	7.0 / neutral		
Flow Rate	> 15L/Hr.	> 15L/Hr.	
Reverse Osmosis membrane	Pore size 0.0001 μ m	Pore size 0.0001 μ m	
%Rejection Ions,Bacteria,particle	97-99%	97-99%	
Twin Pack DI cartridge	✓	✓	
Ultra violet Lamp	12W , 254nm UV	12W , 254nm UV	
Ultra Micro Filter 0.03 μ m	-	-	
Final Filter 0.22 micron	-	-	
Controller	Microprocessor control With LCD Display		
Re-circulating System	-	✓	
PP 5 micron	✓	✓	
PP 10 micron	✓	✓	
DI Tank	20L, 30L, 60L,	20L, 30L, 60L,	
Feed Water Temperature	<40 'c	<40 'c	
Fouling index , SDI ,KI	<10	<10	
Feed water Conductivity	< 500 μ S	< 500 μ S	
Dimension/ Weight	40W x 25D x70H cm 20.0 kg	40W x 25D x70H cm 24.0 kg	
Power	220VAC 50-60Hz	220VAC 50-60Hz	

MSECO Purification system

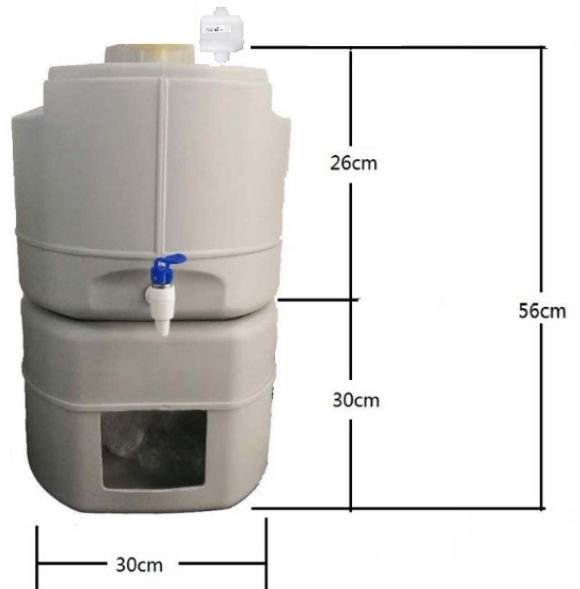
Technical Data Type I

Model	ULP-100 [Type I]	ULP-100P [2 in 1I]
Conductivity at 25 'C	< 0.056 μ S	Type I < 0.056 μ S Type II < 0.067 μ S
Resistivity at 25 'C	18.2 M Ω -cm	18.2 M Ω -cm
TOC (ppb)	< 3-10 ppb	< 3-10 ppb
Bacteria	< 1 CFU/mL	< 1 CFU/mL
Bacteria endotoxin	-	-
Sodium (ug/l), max	1	1
Chloride (ug/l), max	1	1
Silica (ug/l), max	3	3
PH	7.0 / neutral	
Flow Rate Type I	Type I >1.5 L/min.	Type I > 1.5L/Hr.
Flow Rate Type II		Type II >15 L/Hr
Reverse Osmosis membrane	-	Pore size 0.0001 um
%Rejection Ions,Bacteria,particle	-	97-99%
Twin Pack DI cartridge	✓	✓
Ultra violet Lamp	14W, 185/254 nm UV Dual wave length	14W, 185/254 nm UV 12W , 254nm UV
Ultra Micro Filter 0.03 μ m	(optional)	(Optional)
Final Filter 0.22 micron	✓	✓
Controller	Microprocessor control With LCD Display	
Re-circulating System		✓
PP 5 micron	✓	✓
PP 10 micron	✓	✓
DI Tank	20L, 30L, 60L	20L, 30L, 60L,
Feed Water Temperature	<40 'c	<40 'c
Fouling index , SDI ,KI	<1	<10
Feed water Conductivity	< 30 μ S	< 500 μ S
Dimension/ Weight	40W x 25D x70H cm 20.0 kg	40W x 25D x70H cm 24.0 kg
Power	220VAC 50-60Hz	220VAC
		

Dimension



30L



60L



Overview

30L/60L pure water storage water tank for water filter machine (Conical bottom tank)

Product details

Brand	MSECO
Components	pure water tank
Warranty	1 Year
Weight (KG)	5 kg
Material	Polyethylene
Capacity	30L,60L
Color	Grey
Air Vent filter	Bacteria and Co2 removal (optional)

30L,60L water tank for lab water purification system

- 1.Made of polyethylene material and blow molding process, no adhesives or surfactants are used in the manufacturing process.
- 2.The sealed and oversized water tank cover prevents air from entering the water tank and facilitates manual cleaning; the polyethylene material greatly avoids the dissociation of small molecules.
- 3.The internal surface of the water tank is smooth, making it difficult for biofilm to grow; the cylindrical shape reduces the internal surface area of the barrel, thereby reducing contact with pure water.
4. Water enters from the bottom of the barrel to ensure minimal carbon dioxide absorption, and the conical bottom of the barrel can be completely drained to ensure thorough cleaning (a drain valve is set at the bottom).
5. Use with optional accessories: the air filter can absorb CO₂ and organic matter, filter bacteria, particulate matter, etc.; the ultraviolet lamp can control microorganisms and reduce organic matter (TOC) content.