AVIDITY
SCIENCE

HeRO & eROS

RO WATER SYSTEMS FOR ENDOSCOPY

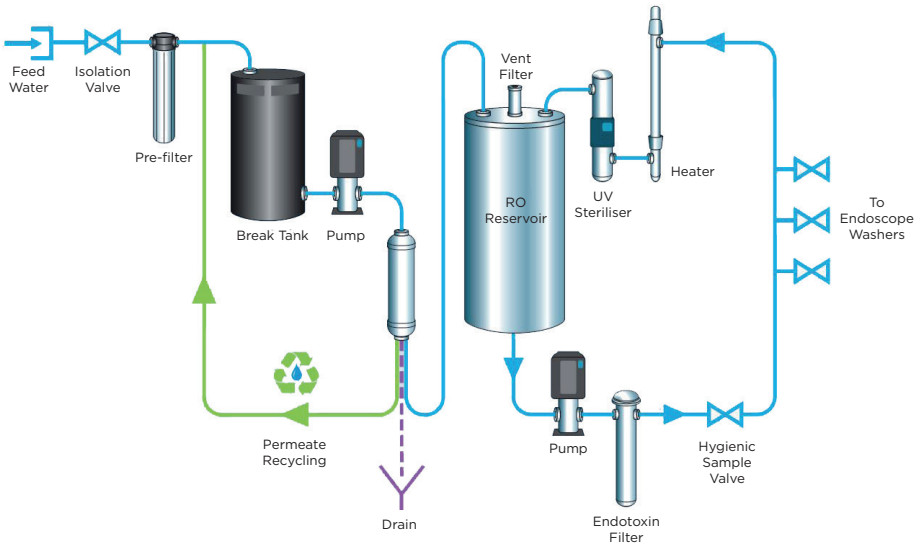


HeRO Reverse Osmosis Systems
for Endoscopy with Thermal Disinfection

At the heart of any endoscopy reprocessing facility is a compliant, reliable and cost effective RO system. The HeRO from Avidity Science is that system. Available in 300 or 500 litres per hour, for single or multiple AERs. Fully installed, commissioned, validated and maintained. Simplex or duplex configuration.

For HTM 01-06 & EN ISO15883 endoscopy rinse water compliance





KEY FEATURES

- Small footprint
- Low maintenance
- Fully automatic thermal disinfection
- User friendly controls
- Easy filter changes
- Manifolds for 100% duplex option
- Local or plant room installation
- Integral break tank
- Feeds any make of AER
- Rental options available
- Free on-site training
- Comprehensive 24/7 service packages

OUTPUT WATER SPECIFICATION	HeRO 300i	HeRO 500i
Pure Water Production	300 l/hr @ 15°C	500 l/hr @ 15°C
Loop Flow Rate	40 l/min @ 3.5 bar	40 l/min @ 3.5 bar
Inorganic	< 30µs/cm	< 30µs/cm
Bacteria	< 10 CFU/100ml	< 10 CFU/100ml
Endotoxin	< 0.25 EU/ml	< 0.25 EU/ml
Particles	< 0.2 micron	< 0.2 micron

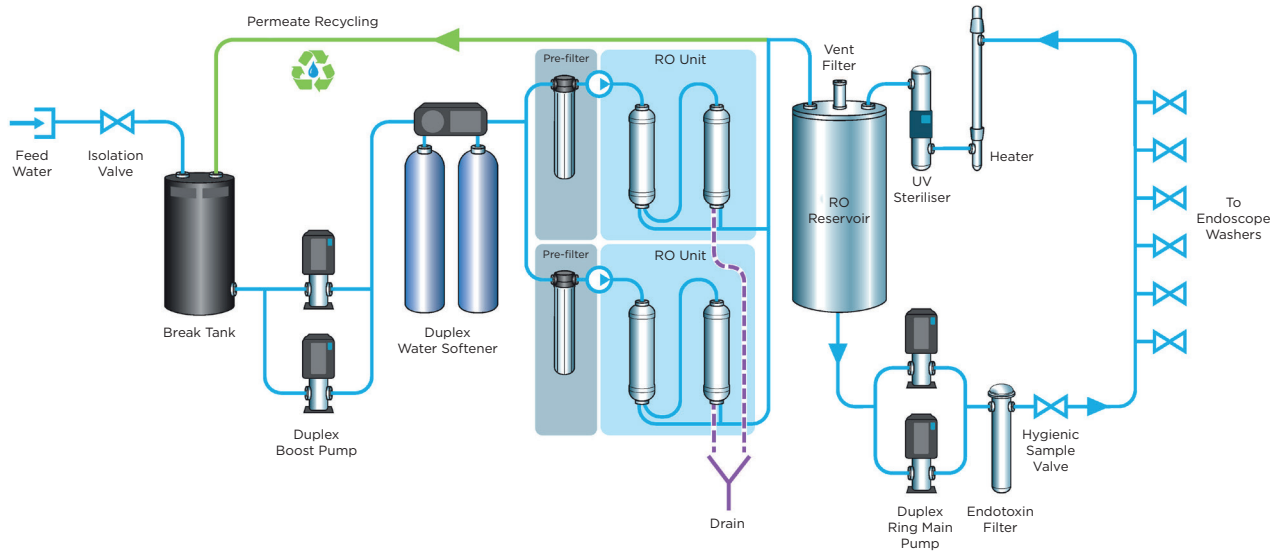
FEEDWATER REQUIREMENTS	HeRO 300i	HeRO 500i
Hardness (mg/l as CaCO3)	< 50	< 50
Total Chlorine (Cl mg/l)	< 0.1	< 0.1
Conductivity (µs/cm)	< 1000	< 1000
Temperature	< 20°C	< 20°C
Feedwater Pressure	2.5-6.0 bar	2.5-6.0 bar

WEIGHTS AND DIMENSIONS	HeRO 300i & HeRO 500i
Height x Depth x Width	1920mm x 740mm x 660mm
Operational Weight	(HeRO 300i) 280kg, (HeRO 500i) 290kg

ELECTRICAL REQUIREMENTS	HeRO 300i	HeRO 500i
Power Supply	415V, 50Hz	415V, 50Hz
Electrical Protection Rating	25 A	25 A
Noise Level during Recirculation	< 50dBA	< 50dBA

eROS Duplex High Output RO
Water Systems for Endoscopy

Reliable and cost effective RO water for large centralised Endoscopy Departments. Avidity Science eROS systems offer a duplex arrangement to feed multiple AERs. Meets all parameters of HTM01-06 and EN ISO15883 for endoscopy rinse water when feeding multiple AERs.



KEY FEATURES

- 300 to 1500 litres per hour production
- Duplex configuration for 100% contingency
- Type AB air break on feedwater
- Duplex water softener
- Stainless steel tank from 600 to 1500 litres
- Customise to your specific requirements
- UV steriliser for microbial control
- UF for endotoxin control
- Hygienic sample port to verify quality
- Alarms for critical parameters, BMS connections
- Fast delivery rates for short cycle times
- Comprehensive parameter monitoring
- Fully automatic Thermal Disinfection cycle
- Full design and project management
- Comprehensive aftersales support

OUTPUT WATER SPECIFICATION	eROS 300D/600D/900D	eROS 1500
Pure Water Production	300 /600/900l/hr @ 15°C	1500 l/hr @ 15°C
Loop Flow Rate	Up to 150 l/min @ 4.5 bar	Up to 150 l/min @ 4.5 bar
Inorganic	< 30µs/cm	< 30µs/cm
Bacteria	< 10 CFU/100ml	< 10 CFU/100ml
Endotoxin	< 0.25 EU/ml	< 0.25 EU/ml
Particles	< 0.2 micron	< 0.2 micron

FEEDWATER REQUIREMENTS	eROS 300D/600D/900D	eROS 1500
Hardness (mg/l as CaCO3)	< 400	< 400
Total Chlorine (Cl mg/l)	< 0.1	< 0.1
Fouling Index (SDI)	<3	<3
Iron/Manganese (Fe/Mn mg/l)	<0.05	<0.05
Conductivity (µs/cm)	< 1000	< 1000
Temperature	< 20°C	< 20°C
Drainage Flow	Up to 30 l/min	Up to 50 l/min
Feedwater Flow	3000 l/h	5800 l/h

WEIGHTS AND DIMENSIONS	eROS 300D/600D/900D	eROS 1500
Height (max)	2000mm	2200mm
Depth plant space required (approx)	3500mm	4000mm
Width plant space required (approx)	3500mm	4500mm

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RO WATER SYSTEMS
FOR ENDOSCOPY

Avidity Science Ltd

Unit D4 Drakes Park, Long Crendon Ind Est
Buckinghamshire, HP18 9BA, UK

+44 (0)1844 201142

UK.Info@AvidityScience.com
www.AvidityScience.com

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