

# STANDARD PLANTS

# AVENTURA

Components of success

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## A COST SAVING BUSINESS INITIATIVE



## Our Expertise

- Capability to engineer systems as per OEM needs
- Integrating OEM's manufacturing process with ours
- Designing systems as per quality specifications of OEMs
- Wide choice of makes & specifications even in critical components
- Warranty & Service traceability of components through serial & lot numbering
- Optional choice of skid colour and development of user manual
- Turnkey solutions - from design, engineering, installation, commissioning & post sales service
- Open to 3rd Party inspection agencies
- All systems go through 60 different rigorous quality checks
- Shortest Delivery time due to component background
- 7 Star\* Quality Assurance from Industry Leader in Water Components



### \*7 Star Quality

- Order acknowledgment and quality assurance • World class components with third party certifications • Incoming components level quality control • 5 Level inprocess quality control
- Final Assembly Quality Control • Pre-Commissioning Design Testing • Pre-dispatch Quality Check against order instructions

## Features

- Thin film composite RO membranes for optimum water quality
- User friendly Micro processor based controller
- Maximum system availability with clean-in-place connections
- Frame in MSEP
- FRP pressure vessels
- Dual media filter
- Pre-filter housing & cartridge 20" full flow
- Calpeda multi-stage centrifugal pump
- Low pressure shut-off
- High pressure trip
- Tank low level trip
- Pre-filter pressure gauges
- Pump discharge pressure gauges (liquid filled)
- Reject line pressure gauges (liquid filled)
- Flow meter for product water
- Flow meter for reject water
- Anti-scalant dosing to prevent scaling
- On/Off Switch
- In built meter in control panel
- High pressure pipe line in SS (optional)
- 12 months warranty against manufacturing defects from date of dispatch

## Product Range

Parameters	AVRO100	AVRO250	AVRO500	AVRO750	AVRO1000	AVRO1500	AVRO2000
Product Flow (LPH)	100	250	500	750	1000	1500	2000
Feed Flow (LPH)	800	1400	1600	1800	2000	2500	3400
Reject Flow (LPH)	700	1150	1100	1050	1000	1000	1400
<b>Connection</b>							
• Feed Water Inlet	1" (FNPT)	1" (FNPT)	1" (FNPT)	1" (FNPT)	1" (FNPT)	1.25"(FNPT)	1.25"(FNPT)
• Product Outlet	3/4"(FNPT)	3/4"(FNPT)	3/4"(FNPT)	3/4"(FNPT)	3/4"(FNPT)	1"(MNPT)	1"(MNPT)
• Reject to Drain Outlet	3/4"(FNPT)	3/4"(FNPT)	3/4"(FNPT)	3/4"(FNPT)	3/4"(FNPT)	1"(MNPT)	1"(MNPT)
<b>Membrane</b>							
• Membrane Size	4" X 40"	4" X 40"	4" X 40"	4" X 40"	4" X 40"	4" X 40"	4" X 40"
• Membrane Quantity	1 No.	1 No.	2 No.	3 Nos.	4 Nos.	6 Nos.	9 Nos.
<b>Power consumption</b>							
• KW	1.1	2.75	2.75	2.75	2.75	4.2	4.2
• HP	1.5	3.75	3.75	3.75	3.75	5.5.	5.5.
• Phase	1	3	3	3	3	3	3
• Current	12 amps	14amps	14amps	14amps	14amps	16amps	16amps
<b>Vessel Array: System Dimensions</b>							
• Vessel Quantity	1	1	1:1	1	1:1	1:1	2:1
• HxWxD (in mm)	1750X835X870	1750X835X870	1750X835X870	2100 X 3800 X800	2100 X 2650 X 800	2200 X 3800 X 900	2200 X 3800 X 900
Shipping Weight (kg)	200	350	400	500	850	1150	1300

Additional options available with High Pressure line with S.S.304; With Grundfos high pressure pump; Pipe line with S.S.304

### NOTE

Performance specification based on:

- +25°C feed water
- SDI < 3
- TDS below 2000ppm
- pH 7.50-8.50
- Absence of chlorine in raw water
- Membrane rejection rates as per membrane manufacturer's specifications
- Designed as per municipal & well water only



**AVENTURA COMPONENTS PVT. LTD.**

 AN EARTH WATER ENTERPRISE

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