

Series D-ep

Electrical Reverse-Osmosis Systems for cost-effective on-site production of demineralized water

System benefits at a glance:

- Cost-effective and safe on-site production of demineralized water
- With high quality booster pump (low voltage) for an increased capacity
- **Ideally suited for the automatic supply of several sterilizers or washer-disinfectors with a very high demand for demineralized water at all degrees of feed water hardness**
- With automated system shut-down in case of feed water lack or pressure drop-down
- System will also shut down automatically, when the storage tank is full (stainless-steel pressure switch)
- With a stainless-steel pressure gauge for level control of the storage tank
- Safe operating power (low voltage of 24 VAC or 24 VDC)
- 5 models available with capacities from 240 LPD to 1.680 LPD



Optional accessories:

- Storage tanks with a gross volume of 19, 35, 60 or 80 liters
- Conductivity controllers for the manual or automatic control of the production process
- Faucets in multiple designs
- Cleaning guns
- Ion-exchange cartridges in different capacities
- Additional accessories: look at VEWAMED® price list



Additional system benefits:

- Reverse-osmosis technology is able to remove bacteria, viruses, chlorine, hardness components, heavy metals, nitrate, medical residue, pesticides etc. reliable and ecological without using any chemicals
- All used materials, pressure tubing and components are food safe
- Customized adaptations and versions are possible
- Long service life of all cartridges enables a low service effort
- Incl. detailed manual (installation, operation, disinfection, service and trouble-shooting guide)

Series D-ep

TECHNICAL DATA

VEWAMED® WATER-PURIFICATION-SYSTEM	
Production capacity: (specifications are standard values at a feed water temperature of 20°C and without tank backpressure)	VEWAméd D50ep: 10 liters/hour (240 liters/day)
	VEWAméd D75ep: 15 liters/hour (360 liters/day)
	VEWAméd D100ep: 20 liters/hour (480 liters/day)
	VEWAméd D200ep: 30 liters/hour (720 liters/day)
	VEWAméd D500ep: 70 liters/hour (1.680 liters/day)
Integrated service valve:	Enables a conductivity measurement of the permeate directly after the membrane and before the ion-exchange cartridge, additionally it enables a simple pressure release for membrane- and filter cartridge change
Filtration stages VEWAméd D50ep:	Stage 1: Carbon block filter cartridge VCB5-10 with 5 µm nominal filtration Stage 2: Sediment filter cartridge VSF1-10 with 1 µm nominal filtration Stage 3: TFC-membrane VDF50 with a rejection rate of approx. 95% Stage 4: High capacity ion-exchange cartridge VIO3-10
Filtration stages VEWAméd D75ep, VEWAméd D100ep, VEWAméd D200ep and VEWAméd D500ep:	Stage 1: Sediment filter cartridge VSF20-10 with 20 µm nominal filtration or VSF50-10 with 50 µm nominal filtration (VEWAméd D500ep) Stage 2: Carbon block filter cartridge VCB10-10 with 10 µm nominal filtration Stage 3: Sediment filter cartridge VSF5-10 with 5 µm nominal filtration Stage 4: TFC-membrane VDF75 or VDF100 (2 pcs. for VEWAméd D200ep) TFC-membrane VDF500 (VEWAméd D500ep) each with a rejection rate of approx. 95%
Service life pre-filters:	12 months (depending on the feed water quality)
Service life membrane:	Approx. 4 years (depending on feed water quality resp. feed water hardness)
Efficiency (system recovery):	Optimally set to approx. 1:1 - 1:3 (ratio of permeate to waste-water)
Low pressure switch:	For automated system shut-down in case of feed water lack or pressure drop
Stainless-steel high pressure switch:	For automated system shut-down, when storage tank is full
Stainless-steel pressure gauge:	Stainless-steel pressure gauge for level control of the storage tank
Tube connectors and tubing:	John Guest push-fit connectors and John Guest tubing
System bracket:	Aluminum (powder-coated white)
Power supply:	Safe low voltage 24 VAC or 24 VDC (VEWAméd D500ep)
Service life filter housings:	10 years (color: white)
Certified system quality:	System comes with a unique serial number and test report
System configuration:	Optimal system configuration enables a fast and easy service
System dimensions (w x h x d):	D50ep, D75ep, D100ep: 39,5 x 50,0 x 19,5 cm
	D200ep and D500ep: 39,5 x 54,0 x 21,0 cm
Scope of delivery:	System incl. transformer, installation-kit and user manual
OPERATING CONDITIONS	
Feed water pressure:	0,8 to 7,0 bar
Feed water hardness range:	All degrees of hardness: 1 (soft) to 4 (very hard)
Feed water temperature:	4,0°C to 38,0°C
MODELS	DESCRIPTION / PART NUMBER
VEWAméd Series D-ep:	D50ep / 11327 D75ep / 11334 D100ep / 11328
	D200ep / 11330 D500ep / 11336
CONSUMABLES	DESCRIPTION / PART NUMBER
VEWAméd D50ep:	Filterset WS1 / 20311 Membrane VDF50 / 20161
VEWAméd D75ep:	Filterset WS3 / 20313 Membrane VDF75 / 20162
VEWAméd D100ep und D200ep:	Filterset WS3 / 20313 Membrane VDF100 / 20163 (2 pcs. for D200ep)
VEWAméd D500ep:	Filterset WS9 / 20319 Membrane VDF500 / 20164
Optional accessories:	VEWAMED® price list

VEWAMED®
Water-Purification-Systems

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