

A COMPLETE 4X4 MOUNTED MOBILE AND AUTONOMOUS WATER TREATMENT FACILITY USED FOR URGENT POTABLE WATER PRODUCTION TO SANS241 AND WHO REQUIREMENTS IN AREAS DIFFICULT OF ACCESS.



**Flow rates  
Up to 10 m<sup>3</sup>/hr**



### FEATURES & BENEFITS

Either Ultrafiltration (UF) or Microfiltration (MF) elements can be installed. Colloidal, particulate matter and macromolecules are rejected. This means that bacteria and viruses are removed as well as larger organic substances. Provide potable water in fast, reliable and cost-effective manner, which makes them an ideal choice in critical situations.

- Ease of operation
- Rapid deployment
- Short manufacture lead time
- Compact & reliable design
- Proven Technology
- 4X4 Diesel Truck – off road capability
- Integrated Diesel Generator
- Integrated compressor and air receiver for air scour of membranes
- Fully Automated
- Integrated PLC and HMI
- CIP (cleaning-in-place)
- Self-priming feed water pump skid included
- Ceramic Membranes for robust operation
- No toxic chemical waste stream
- VFD for optimum performance and efficiency



### APPLICATIONS

MUNICIPAL	TOURISM
DW	DW

DW: Drinking Water - PW : Process Water - WW: Wastewater



### TECHNICAL PERFORMANCES

MODEL		MWTP
TREATED WATER FLOWRATE (MAX)	m <sup>3</sup> /hr	10
	Raw	65NB
	Filtrate	50NB
	Sludge	50NB
	Backwash	150NB
TREATED WATER DELIVERY PRESSURE (MAX)	Bar	2
INSTALLED POWER (GENSET)	kVA	22.5
PERSON EQUIVALENT BASED ON 30 LITRES PER PERSON	Person	7500
TREATMENT CAPACITY BASED ON 22 HOURS PER DAY OPERATION	m <sup>3</sup> /day	220

### TRUCK DETAILS

DRIVE	4x4
SUSPENSION	Leaf-spring
TARE – TOTAL (KG)	4 960
GVM (KG)	13 000
HEIGHT (MM)	4300
WIDTH (MM)	2620
LENGTH (MM)	8400

### MATERIALS OF CONSTRUCTION

CLARIFIER	Epoxy Lined Mild Steel*
RAW WATER PUMP	Cast Iron body and impeller
FEED PUMP	Cast Iron body and SS impeller
PRESSURE FILTER HOUSINGS	304L Stainless Steel
MEMBRANES	Ceramic
PIPING	304L Stainless Steel, Lay-flat and Reinforced Spiral Wound Hose

\* Epoxy Lined Mild Steel is AWWA C210 compliant for use on steel and FDA 21CFR 175.300 criteria for food contact

### FEED WATER REQUIREMENTS

TEMPERATURE	°C	5 - 30
TURBIDITY	NTU	< 600
TSS	mg/L	< 300

For specific design treatment requirements based on raw water quality, please contact your local Veolia representative.

### OPTIONS

	DESCRIPTION
A	Microfiltration Membranes
B	Ultrafiltration Membranes



### HYDREX CHEMICALS

Hydrex water treatment chemicals from Veolia should be used for optimal plant operation. (see page 49 for further details.)



### INTEGRATED SOLUTIONS

- Additional standard post-treatment options are available