

# PRODUCT DATA SHEET



## Inn Mobile Water Treatment WCU

### OVERVIEW

Surface water sources generally include turbidity. To prepare surface water as for domestic usage at home, chemical precipitation methods are applicable if followed by filtration.

**Inn Mobile WCU** is designed due to the principals of chemical precipitation and rapid sand filtration. In the compact unit, there is a part to for gravity aeration of the water. Then water passes into mixing tanks. Mixing is done by two stages, rapid and slow mixing units. For coagulant, aluminum sulphate is dosed in to water.



#### Mobile WCU Treatment Processes;

- Coagulation
- Flocculation
- Clarifier
- Sand Filter
- Disinfection

The chemical added water passes into sedimentation part and the flocks are settled down to the bottom of this tank. Treated water is stored in clean water tank and fed into the sand filters for final clarification.

Before filtration, chlorine is added in clean water tank for disinfection purpose.

**ADDITIONAL FLOW RATES AND CUSTOMISED SOLUTIONS ARE AVAILABLE. JUST ASK US.**

### STANDARD SPECIFICATIONS

Parameter	Units	WCU-1	WCU-2	WCU-3	WCU-4	WCU-5
Effluent Flowrate	m <sup>3</sup> /h	0-10	10-20	20-30	30-40	40-50
Efficiency of Turbidity	%	50-80				
Efficiency of TSS	%	50-95				
Raw Water Turbidity	NTU	< 750				
Raw Water TSS	mg/L	< 1000				
Raw Water Temperature	°C	15 ~ 30				
Water Inlet Pressure	bar	1-3				
Water Discharge Pressure	bar	3-10				
Power Supply		AC 220-380~450 V, 3 Phase, 50/60 Hz				

# STANDARD INCLUSIONS + OPTIONS

✓ = Standard Supply, o = Optional Supply, - = Not Applicable

Equipments	WCU
Feed Pumps	✓
Flocculation Unit	✓
Coagulation Unit	✓
Sedimentation Unit	✓
Intermediate Tank	✓
Filtration Unit	✓
Water Hammer Tank	o
Control Panel	✓

