



**DENKO THAI**

# Ultra Deionization Skid (UDI Skid)

**Innovative Compact Technology For Ultra Pure Water System**

## THE ULTRA DEIONIZATION PROCESS

Industry requires completely clean, disinfected water for numerous processes. Ultra – pure water, which is free from bacteria and pyrogens, is necessary for processes such as rinsing, cleaning and production

The two most important benefits of UDI skid are pure water supplied in several quality and quantity follows line production requirement. It's designed to extended part from deionization system in the kind of compact skid unit for controlled DI feed water quality, treated water quality and consume quantity each using point.

These system combine ultraviolet, de – ionization and ultra filtration treatments. This innovative technology has a high desalination performance ( resistivity  $\geq 10 \text{ M}\Omega\cdot\text{cm}$  )

## PRODUCT FEATURES

- \* High desalination performance ( Resistivity  $\geq 10 \text{ M}\Omega\cdot\text{cm}$  )
- \* High recovery rate of feed water ( Recovery rate : max. 100% )
- \* Control flow rates are available at using point.
- \* Very compact unit need small space to installation.
- \* Operation and maintenance procedures are easy.
- \* Low energy consumption cost.
- \* Low investment cost.

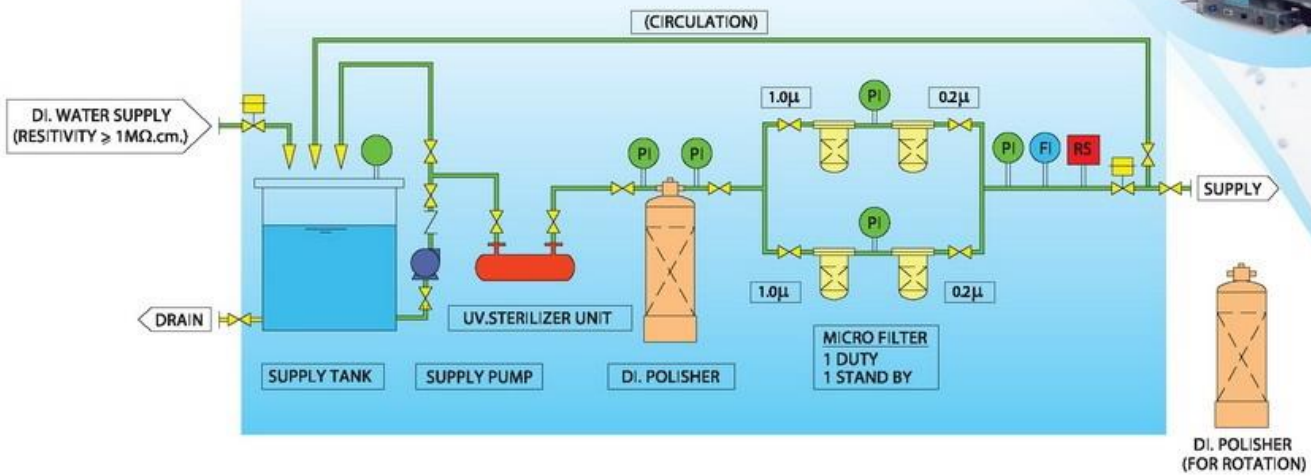
## PRODUCT APPLICATIONS

This particularly high degree of purity is essential in areas such as.

- |                            |                           |
|----------------------------|---------------------------|
| 1. Semiconductors          | 6. Cosmetics              |
| 2. Electronics             | 7. Pharmaceutical         |
| 3. Printed circuit boards  | 8. Pigments and dyestuffs |
| 4. Precision instruments   | 9. Laboratory             |
| 5. OPTO – electronic parts | 10. Other                 |



## UDI SKID



## PRODUCT SPECIFICATIONS OF UDI SKID

Model	UDI 250	UDI 500	UDI 1000	UDI 2000
Capacity (m <sup>3</sup> /hr)	0.25	0.5	1.0	2.0
Supply Tank	100 L, FRP Made	100 L, FRP Made	200 L, FRP Made	200 L, FRP Made
Supply Pump				
* Capacity	0.25 m <sup>3</sup> /hr x 35 mh	0.5 m <sup>3</sup> /hr x 35 mh	1.0 m <sup>3</sup> /hr x 35 mh	2.0 m <sup>3</sup> /hr x 35 mh
* Material	SUS 304	SUS 304	SUS 304	SUS 304
* Motor power	0.37 kw	0.37 kw	0.37 kw	0.37 kw
UV Sterilizer Unit	14 W x 220 V x 1Ø	14 W x 220 V x 1Ø	14 W x 220 V x 1Ø	14 W x 220 V x 1Ø
DI. Polisher	1 Set Duty ( 1 Set Rotation )	1 Set Duty ( 1 Set Rotation )	1 Set Duty ( 1 Set Rotation )	1 Set Duty ( 1 Set Rotation )
Micro Filter (Micron)	1.0 $\mu$ + 0.2 $\mu$	1.0 $\mu$ + 0.2 $\mu$	1.0 $\mu$ + 0.2 $\mu$	1.0 $\mu$ + 0.2 $\mu$
Skid Dimension (W x D x H)	1200 x 1000 x 1900	1200 x 1000 x 1900	1200 x 1000 x 1900	1200 x 1000 x 1900
Empty Weight (kg)	380	380	480	500
Running Weight (kg)	440	440	540	650

### Feed Water Quality ( DI Water )

* Resistivity ( Electric Conductivity )	$\geq 1\text{M}\Omega\cdot\text{CM}$ ( $\leq 1\mu\text{s/cm}$ )
* pH	$7 \pm 2$
* Pressure	$\geq 2.5\text{ kg/cm}^2$
* Temperature	$25 \pm 7^\circ\text{C}$

### Treated Water Quality ( UDI Water )

* Resistivity	$\geq 10\text{M}\Omega\cdot\text{CM}$
* Particle ( > 0.5 $\mu$ )	$\leq 100\text{ pcs/ml}$

### Notice

- \* Offer a board range of product follow requirements.
- \* This specifications will be subject to change with or without prior notice.

While developing one resource, we carefully protect the others.



**DENKO THAI CO.,LTD.**

922/1-2 Moo 5 Soi Bearing Tadmai, Srinakarin Rd., Muang, Samutprakarn 10270 Thailand  
Tel : 66(0)2758-5071 (Auto) Fax : 66(0)2758-5072 Website : www.denkothai.com

www.denkothai.com