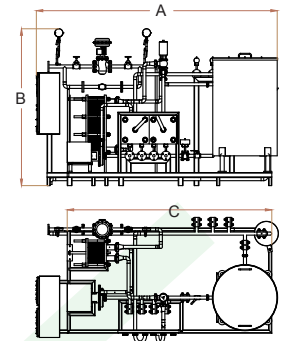


## AUTO OR SEMI AUTO CONTROLLED SKID MOUNTED CIP SYSTEM

### MODEL : CIP-20-ASM

Working capacity : flow rate 20 klph  
 Skid for mounting all components : standard , SS 304  
 Inter connecting pipe line : Size as per req. , SS 304  
 uninsulate tank : made with 2mm SS 304 , capacity - 500 ltrs.  
 Process flow panel : SS 304  
 Plate Heat Exchanger : Standard model capacity as per required.  
 Dimension ( A x B x C ) : 2850 mm x 2500 x 1250 mm



### WORKING FEATURES

- System design on water & energy features.
- System allow heating of holding up volume of CIP solution required for particular CIP loop hence no need for heating all CIP solution available in CIP solution storage tank. Hence energy for heating the total CIP solution is saved.
- System allow use of hold up volume of CIP solution required for particular , hence no need for extra CIP solution leading to water saving.
- The flush water used in the intermediate CIP cycle can be storage in recirculation tank / water saving tank which can be later used for initial flushing of equipment before draining the same.
- Auto control of concentration of CIP solution can added in the same system just by adding the auto concentration module in the existing system.
- One can use 3 tank or 4 tank for storage of CIP solution & flush water of any capacity which this CIP modulator system leaving the barring of using the fixed capacity CIP solution storage tanks. Even any storage tank available as surplus in the plant can also be hooked up for cost saving.
- CIP system can be supplied with auto operation with PLC based control panel or with semi auto operation, with timer based and micro processor based control.
- In case of PLC based panel the CIP sequence and temperature controlls are regulated thru PLC panel automatically.
- In case of micro processor and timer based panel each CIP cycle is operated manually and next CIP cycle needs to be selected manually after end of each cycle.

### EQUIPMENTS DETAILS

Un-insulated tank with level controller capacity - 500 ltrs.	SS 304	Centrifugal pump 20 klph at 28 MWC to be used as CIP return pump. ( extra pump can be supplied on demand )	SS 304
ss clad plate heat exchanger with SS 316 plates and EPDM gaskets.		Pneumatically operated three way diversion valve.	SS 304
condensate trap with by pass. standard float type		Interconnecting pipes and fitting.	SS 304
Pneumatically controlled steam flow control valve with by pass valve.		Buttery fly valve with EPDM lining along with pneumatic actuator.	SS 304
flow panel for covring 4 CIP circuits along with proximity switch for distribution of CIP solution and its return to the CIP system.	SS 304		

\* Ved Engineering reserves the right to change specifications