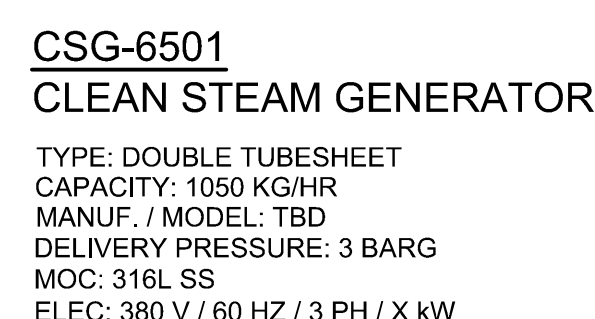


[illegible]

REVISION HISTORY

1 REV. 0 - NONE



CC-6501
QUENCH COOLER
TYPE: AUTOMATED COOLER
CAPACITY: 26 LPM (WFI @ 85 °C)
SIZE: TBD
MOC: TBD
MODEL: TBD

GENERAL NOTES

- 1 ALL COMPONENT & EQUIPMENT NUMBERS ARE PRECEDED BY 10 TO REPRESENT THE BULK DRUG SUBSTANCE (BDS) BUILDING.
- 2 ALL AUTOMATIC VALVES FAIL CLOSED (F.C.) UNLESS NOTED FAIL, OPEN (F.O.)
- 3 ALL PLOCOMPUTER CONNECTIONS ARE WITHIN THE PCS UNLESS OTHERWISE NOTED.
- 4 LAST LINE NUMBER
REFER TO P&ID 7B-2-0-2-64 FOR DETAILS.
- 5 LINE NUMBER NOT USED;
REFER TO P&ID 7B-2-0-2-64 FOR DETAILS.
- 6 LAST AUTO VALVE NUMBER
REFER TO P&ID 7B-2-0-2-64 FOR DETAILS.
- 7 AUTO VALVE NUMBERS NOT USED;
REFER TO P&ID 7B-2-0-2-64 FOR DETAILS.
- 8 LAST MANUAL VALVE NUMBER
REFER TO P&ID 7B-2-0-2-64 FOR DETAILS.
- 9 MANUAL VALVE NUMBERS NOT USED;
REFER TO P&ID 7B-2-0-2-64 FOR DETAILS.

 SHEET NOTES

- 1 SAMPLE COOLER SUPPLIED AS PART OF THE VENDOR'S PACKAGE.
- 2 PURIFIED WATER SUPPLY PIPING AND VALVES SHOWN FOR CLARITY. REFER TO CSP STORAGE AND DISTRIBUTION P&ID 78-Z-0-2.5W.
- 3 VENT FOR START-UP OPERATIONS.
- 4 LOCATE VALVES AND REGULATORS AT OPERATOR LEVEL FOR ERGONOMIC ACCESS (TYPICALLY 1220 MM TO 1525 MM ABOVE FINISHED FLOOR).
- 5 VENT TO A SAFE LOCATION. VENTS TO THE BUILDING EXTERIOR SHALL BE INSTALLED WITH A BIRD SCREEN. LOCAL VENT AND DRAIN PIPING TO BE ROUTED AFTER EQUIPMENT IS SET IN FINAL LOCATION. PIPING IS NOT DETAILED ON ROUTING PLANS.
- 6 PROVIDE A 50 MM MINIMUM AIR GAP FOR FLOOR DRAINS.

SEAL

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BURITI EPCMV

DRAWING TITLE

**P&I DIAGRAM
DRUG SUBSTANCE
CLEAN STEAM GENERATOR
CSG-6501**

ENGINEER JJR	ARCHITECT BJE	DESIGNER RBN	IPS PROJECT # ITD19439.01
DRAWN BY LG	REVIEWED BY GJC	SCALE NONE	CADD FILE NAME 78-Z-0-2-63

XREF FILE(S)	DRAWING NUMBER
	7B-Z-0-2-63