

- 1 VENDOR IS ENCOURAGED TO SUPPLY THEIR STANDARD CIP SYSTEM DESIGN AS LONG AS IT MEETS THE INTENT OF THE DESIGN SHOWN. REFER THE EQUIPMENT SPECIFICATION AND DATA SHEETS FOR MATERIALS OF CONSTRUCTION AND ADDITIONAL INFORMATION.
- 2 VENDOR SHALL SUPPLY SECONDARY CONTAINMENT FOR CLEANING-CHEMICAL-DAY-TANK.
- 3 APPROXIMATE FEED RATE = 60 LPM.
- 4 VENDOR SHALL SUPPLY MKS SERIES 48 NEMA 4X FILTER HOUSING HEATER WITH TEMPERATURE CONTROLLER ACCESSIBLE FROM GRADE LEVEL.
- 5 150 MM ABOVE FINISHED FLOOR AND SAFE LOCATION.
- 6 OPEN/CLOSE CPWF AND HWFI FEED VALVES XV-63020 AND XV-640103 (H) THE TANK LEVEL CONTROL.

- 1 INTERLOCK TO XV-770106, 07, 08 PREVENTING
XV-770106 AND 07; XV-770106 AND 08; AND XV-770206,
07, AND 08 FROM OPENING AT THE SAME TIME.

[illegible]

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REVISION HISTORY

1 REV. 0 - NONE

Red is from A&B & Submittal Updates
Blue is from Debbie Updates
Green is From Tessler Updates
Purple is from AIV Updates

CIP-7701
CENTRAL CIP SYSTEM
TYPE: SINGLE TK, RECIRC.
CAPACITY: 1200 L
POWER:
MOC: 316L STAINLESS STEEL

FGA-7701-1
VENT FILTER

TYPE, HOUS/ELEM: TEE STYLE, GAS
CAPACITY: UP TO 100 LPM (6 M3/HR)
SIZE: 1 RD X 10"H
MOC: 316L HOUSING/PTFE ELEMENT
DP/DT: ≤ 0.14 BAR
ELEC: 220V / 60HZ / 1PH 2.4A

FGA-7701-2
AIR BLOW FILTER
TYPE, HOUS/ELEM: INLINE, GAS / 0.2 µm
CAPACITY: 280 LPM (16.8 M3/HR)
SIZE: 1 RD X 10"H
MOC: 316L HOUSING/PTFE ELEMENT
DP/ΔT: ≤ 0.14 BAR

TQ-7701-3
CHEMICAL DAY TANK
TYPE: ATMOSPHERIC
CAPACITY: 5L
SIZE: T80
MOC: POLYETHYLENE
DP/DT: N/A/AMBIENT

BC-7701-1
CIP SUPPLY PUMP
TYPE: HYGIENIC CENTRIFUGAL
CAPACITY: 200 LPM @ 3.5 BARG
MANUF/MODEL: FRISTAM / TBD
MOC: 316/316LSS
POWER: 5.6 KW, 3/60/380 VAC MOTOR

BC-7701-2
CIP RETURN PUMP
TYPE: HYGIENIC LIQUID RING
CAPACITY: 200 LPM @ 2 BARG
MANUF/MODEL: FRISTAM / FZX
MOC: 316/316LSS
POWER: 5.6 KW, 3/60/380 VAC MOTOR

BM-7701-3
CHEMICAL DOSING PUMP
TYPE: METERING
CAPACITY/SIZE: UP TO 8 LPM / 1/2"
MANUF/MODEL: LMI / TBD
MOC: POLYPROPYLENE / PTFE
POWER: N/A

TYPE: HYGENIC SHELL AND TUBE
CAPACITY: 140 KW (HEAT 100 LPM @ 40°C ΔT)
DESIGN BASIS: HEAT, 1200L WASH SOL'N, TO 60°C IN 25-30 MIN
MOC, SHELL/TUBES: STAINLESS STEEL / 316L SS
DP/DT: 10 BARG & F.V. / 350°C
AREA: TBD SQ. FT.

SEAL

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DRAWING TITLE

**P&I DIAGRAM
DRUG SUBSTANCE
CIP SYSTEM N°1, CIP-7701
MEDIA & FERM. AREA**

ENGINEER JJR	ARCHITECT BJE	DESIGNER JJR	IPS PROJECT # ITD19439.01
DRAWN BY LG	REVIEWED BY GJC	SCALE NONE	CADD FILE NAME 7B-Z-0-2-43

XREF FILE(S)	DRAWING NUMBER
	<p>7B-Z-0-2-43</p>