



ALL COMPONENT & EQUIPMENT NUMBER ARE
ALIGNED BY "78" TO REPRESENT THE BULK DRUG
STORAGE (BDS) BUILDING.
TODOS OS NÚMEROS DE COMPONENTES E EQUIPAMENTOS SÃO
ALINHADOS POR 78 PARA REPRESENTAÇÃO DO PRÉDIO DO BULK DRUG
STORAGE (BDS).
4. MOTORIZED PRESSURE INDEPENDENT BALANCING
AND CONTROL VALVES.
VALVULAS DE BALANÇO DE PRESSÃO AUTOMATIZADAS COM
BALANÇAMENTO INDEPENDENTE DE PRESSÃO.
5. STATIONARY VALVE LINE - STATIONARY FAILURE
TODAS AS VALVULAS DE CIRCULÇÃO - FALHA PERMANENTE
A. LINE NUMBER
O ÚLTIMO DÍGITO DE LINHA
LINE NUMBER NOT USED:
NÚMERO DE LINHA NÃO UTILIZADO:
960071
960074
960080 TO 119
9600171A TO 119
9600172 TO 119
9600175 TO 119
9600176 TO 119
9600177 TO 119
9600178 TO 119
9600179 TO 119
9600180 TO 119
9600240 TO 249
9600250 TO 329
9600322 TO 349
9600332 TO 349
9600333 TO 349
4. LAST MANUAL VALVE NUMBER:
NÚMERO ÚLTIMO DE VALVULA MANUAL: 9600348
9600348
MANUAL VALVE NUMBERS NOT USED:
NÚMEROS DE VALVULA MANUAL NÃO UTILIZADOS:
9600159
9600160
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9600162
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9600218
9600219
9600220 TO 268
9600279
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- FLOWRATES AND DIAMETERS HAVE BEEN UPDATED.
- ATUALIZAÇÃO DE VAZÕES E DIÂMETROS

- FLOWRATES AND DIAMETERS HAVE BEEN UPDATED.
- ATUALIZAÇÃO DE VAZÕES E DIÂMETROS.

- AHU-7B-02/ AHU-7B-03/ AHU-7B-09/ DOAS-7B-01/ FLOWRATES AND DIAMETERS HAVE BEEN UPDATED.
- ATUALIZAÇÃO DE VAZÕES E DIÂMETROS DA AHU-7B-02/ AHU-7B-03/ AHU-7B-09/ DOAS-7B-01.
- FLAGS DATA HAS BEEN UPDATED.
- ATUALIZAÇÃO DOS DADOS DAS BANDEIROLAS.
- DOAS-7B-01 FLOWRATE HAS BEEN DIVIDED IN TWO SUPPLY.
- VAZÃO DO DOAS-7B-01 DIVIDIDA EM DUAS ALIMENTAÇÕES.

<p>AHU-7B-02 AIR HANDLING UNIT UNIDADE DE TRATAMENTO DE AR MRFR: TROX FABRICANTE: TROX CAPACIDADE: 407.17 LPM (24.43 M3/Hr) / PRESSURE DROP: 0.5 BAR CAPACIDADE: 407.17 LPM (24.43 M3/Hr) / PERDA DE CARGA: 0.5 BAR SIZE: BY MANUFACTURER TAMANHO: PELO FABRICADOR MOO: GALVANIZED STEEL MATERIAL: AÇO GALVANIZADO</p>	<p>AHU-7B-03 AIR HANDLING UNIT UNIDADE DE TRATAMENTO DE AR MRFR: TROX FABRICANTE: TROX CAPACITY: 348.67 LPM (20.98 M3/Hr) / PRESSURE DROP: 0.5 BAR CAPACIDADE: 348.67 LPM (20.98 M3/Hr) / PERDA DE CARGA: 0.5 BAR SIZE: BY MANUFACTURER TAMANHO: PELO FABRICADOR MOO: GALVANIZED STEEL MATERIAL: AÇO GALVANIZADO</p>
<p>M-AHU-7B-02 AIR HANDLING UNIT MOTOR MOTOR UNIDADE DE TRATAMENTO DE AR</p>	<p>M-AHU-7B-03 AIR HANDLING UNIT MOTOR MOTOR UNIDADE DE TRATAMENTO DE AR</p>

<p>AHU-7B-08 AIR HANDLING UNIT UNIDADE DE TRATAMENTO DE AR</p> <p>MFR: TROX FABRICANTE: TROX</p> <p>CAPACITY: 151.33 LPM (9.08 M3/HR) / PRESSURE DROP: 0.5 BAR CAPACIDADE: 151.33 LPM (9.08 M3/HR) / PERDA DE CARGA: 0.5 BAR</p> <p>SIZE: BY MANUFACTURER TAMANHO: PELO FABRICADOR</p> <p>MOC: GALVANIZED STEEL MATERIAL: AÇO GALVANIZADO</p> <p>M-AHU-7B-08 AIR HANDLING UNIT MOTOR MOTOR UNIDADE DE TRATAMENTO DE AR</p>	<p>AHU-7B-09 AIR HANDLING UNIT UNIDADE DE TRATAMENTO DE AR</p> <p>MFR: TROX FABRICANTE: TROX</p> <p>CAPACITY: 301.0 LPM (18.06 M3/HR) / PRESSURE DROP: 0.5 BAR CAPACIDADE: 301.0 LPM (18.06 M3/HR) / PERDA DE CARGA: 0.5 BAR</p> <p>SIZE: BY MANUFACTURER TAMANHO: PELO FABRICADOR</p> <p>MOC: GALVANIZED STEEL MATERIAL: AÇO GALVANIZADO</p> <p>M-AHU-7B-09 AIR HANDLING UNIT MOTOR MOTOR UNIDADE DE TRATAMENTO DE AR</p>
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<p>DOAS-7B-01 (1/2)</p> <p>DEDICATED OUTDOOR AIR SYSTEM</p> <p>UNIDADE DE AR EXTERNO DEDICADA</p> <p>MFR: TROX</p> <p>FABRICANTE: TROX</p> <p>CAPACITY: 674.67 LPM (40.48 M3/HR) / PRESSURE DROP: 0.5 BAR</p> <p>CAPACIDADE: 674.67 LPM (40.48 M3/HR) / PERDA DE CARGA: 0.5 BAR</p> <p>SIZE: BY MANUFACTURER</p> <p>TAMANHO: PELO FABRICADOR</p> <p>MOQ: GALVANIZED STEEL</p> <p>MATERIAL: AÇO GALVANIZADO</p>	<p>DOAS-7B-01 (2/2)</p> <p>DEDICATED OUTDOOR AIR SYSTEM</p> <p>UNIDADE DE AR EXTERNO DEDICADA</p> <p>MFR: TROX</p> <p>FABRICANTE: TROX</p> <p>CAPACITY: 648.17 LPM (38.89 M3/HR) / PRESSURE DROP: 0.5 BAR</p> <p>CAPACIDADE: 648.17 LPM (38.89 M3/HR) / PERDA DE CARGA: 0.5 BAR</p> <p>SIZE: BY MANUFACTURER</p> <p>TAMANHO: PELO FABRICADOR</p> <p>MOQ: GALVANIZED STEEL</p> <p>MATERIAL: AÇO GALVANIZADO</p>
<p>M-DOAS-7B-01 (1/2)</p> <p>DEDICATE OUTDOOR AIR SYSTEM MOTOR</p> <p>MOTOR UNIDADE DE AR EXTERNO DEDICADA</p>	<p>M-DOAS-7B-01 (2/2)</p> <p>DEDICATE OUTDOOR AIR SYSTEM MOTOR</p> <p>MOTOR UNIDADE DE AR EXTERNO DEDICADA</p>

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CLIENT


Takeda


Hemobrás
Empresa brasileira de hemoderivados e biotecnologia

BURITI EPCMV

DRAWING TITLE

**P&I DIAGRAM
DRUG SUBSTANCE
CHILLED WATER
DISTRIBUTION SYSTEM (1/5)**

ENGINEER LFF	ARCHITECT BJE	DESIGNER FJT	IPS PROJECT # ITD19439.01
DRAWN BY JRM	REVIEWED BY CCO	SCALE NONE	CADD FILE NAME 7B-M-0-5-43=0

XREF FILE(S)	DRAWING NUMBER
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7B-M-0-5-43