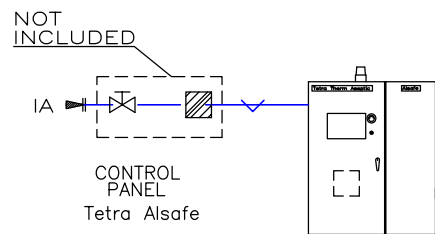
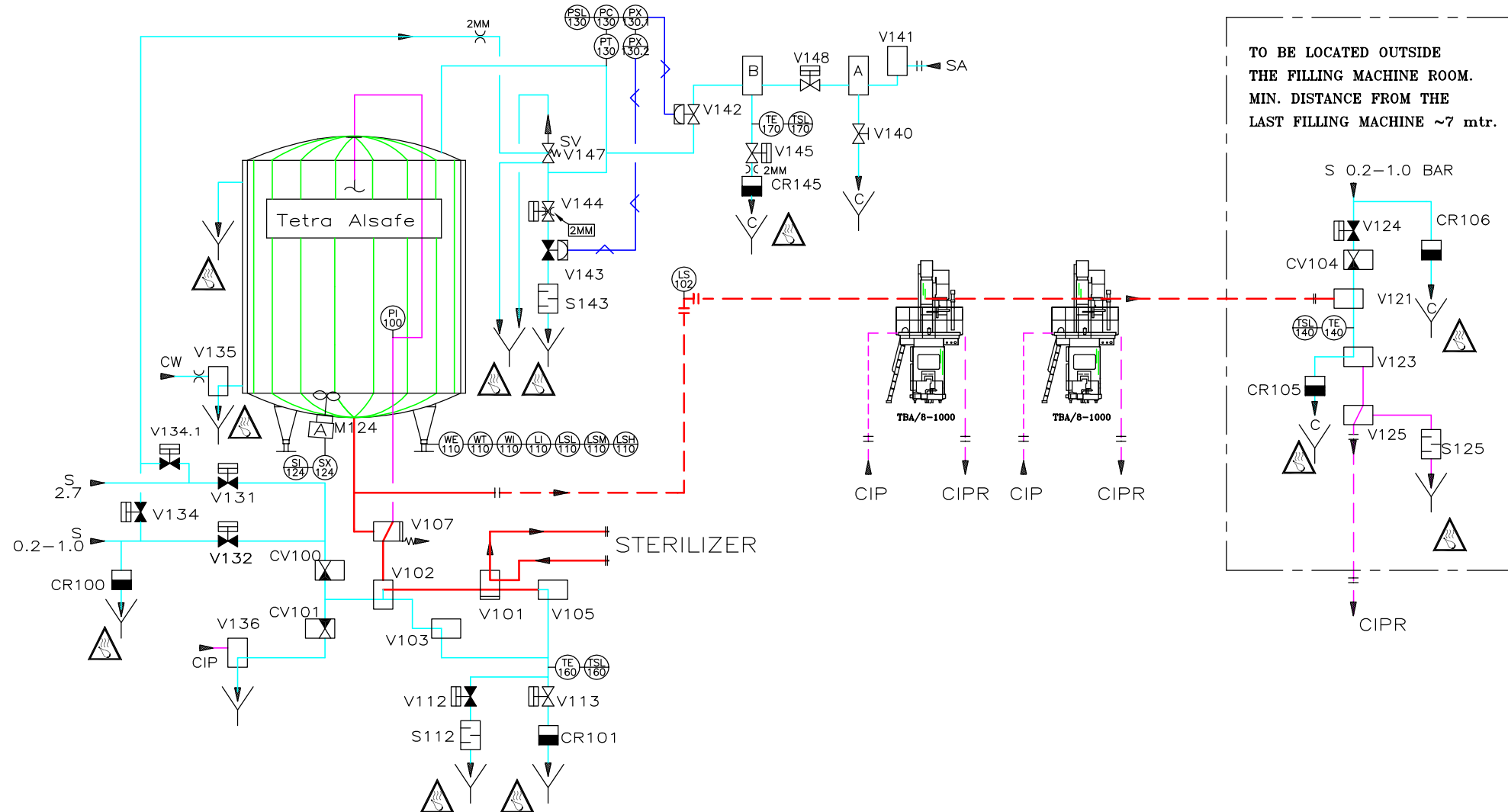


											Rev	Description		Designer	Appr. By	Date							
FLOW DIAGRAM SYMBOLS																							
PIPING SYMBOLS				INSTRUMENTS				HYGIENIC VALVES				NON-HYGIENIC VALVES				PUMPS							
<div><div></div>PROCESS MEDIA, RED</div>				<div><div></div>COMMON INSTRUMENT LOCALLY MOUNTED</div>				<div><div></div>ASEPTIC VALVE GENERAL SYMBOL</div>				<div><div></div>NORMALLY OPEN VALVE WAY</div>				<div><div></div>CENTRIFUGAL PUMP</div>							
<div><div></div>CLEANING MEDIA, MAGENTA</div>				<div><div></div>COMMON INSTRUMENT PANEL MOUNTED OR SOFT-WARE FUNCTION</div>				<div><div></div>MANUAL PLUG COCK 2-WAY</div>				<div><div></div>NORMALLY CLOSED VALVE WAY</div>				<div><div></div>POSITIVE PUMP</div>							
<div><div></div>SERVICE MEDIA, CYAN</div>				<div><div></div>DUMMY</div>				<div><div></div>MANUAL PLUG COCK 3-WAY</div>				<div><div></div>MANUAL SHUT-OFF VALVE</div>				<div><div></div>VACUUM PUMP</div>							
<div><div></div>ELECTRICAL CONTROL, GREEN</div>				FIRST LETTER				<div><div></div>MANUAL SANITARY CONTROL VALVE</div>				<div><div></div>MANUAL CHANGE-OVER VALVE</div>				<div><div></div>LIQUID RING PUMP</div>							
<div><div></div>AIR CONTROL, BLUE</div>				Measured or initiation variable				<div><div></div>FLOW CONTROL VALVE</div>				<div><div></div>MANUAL CONTROL VALVE</div>				<div><div></div>SCREW PUMP</div>							
<div><div></div>LIQUID CONTROL, ORANGE</div>				<div><div>D</div>DENSITY</div>				<div><div></div>SANITARY MODULATING VALVE</div>				<div><div></div>AIR RELEASE VALVE</div>											
<div><div></div>FLEXIBLE HOSE</div>				<div><div>F</div>FLOWRATE (L/H), MASSFLOW (KG/H) OR VOLUME (L)</div>				<div><div></div>SANITARY NON-RETURN VALVE</div>				<div><div></div>VACUUM RELEASE VALVE</div>											
<div><div></div>PIPE WITH HEATING OR COOLING JACKET</div>				<div><div>G</div>POSITION</div>				<div><div></div>SANITARY MANUAL VALVE</div>				<div><div></div>PRESSURE RELEASE VALVE</div>											
<div><div></div>PIPE WITH HEATING OR COOLING COIL</div>				<div><div>L</div>LEVEL</div>				<div><div></div>SANITARY AUTOMATIC VALVE</div>				<div><div></div>CONSTANT FLOW/PRESSURE VALVE</div>											
<div><div></div>CAP ON PIPE END</div>				<div><div>P</div>PRESSURE/VACUUM</div>				<div><div></div>SANITARY MANUAL BUTTERFLY VALVE</div>				<div><div></div>NON-RETURN VALVE</div>											
<div><div></div>UNION</div>				<div><div>Pd</div>PRESSURE DIFFERENCE</div>				<div><div></div>SANITARY AUTOMATIC BUTTERFLY VALVE NORMALLY CLOSED, NC</div>				<div><div></div>AUTOMATIC SHUT-OFF VALVE</div>											
<div><div></div>INSULATED PIPE</div>				<div><div>Q</div>QUALITY*</div>				<div><div></div>SANITARY AUTOMATIC BUTTERFLY VALVE NORMALLY OPEN, NO</div>				<div><div></div>AUTOMATIC CHANGE- OVER VALVE</div>											
<div><div></div>LIMIT OF DELIVERY</div>				<div><div>T</div>TEMPERATURE</div>				<div><div></div>ASEPTIC SAMPLING VALVE</div>				<div><div></div>AUTOMATIC MODULATING VALVE 2-WAY</div>											
<div><div></div>ORIFICE</div>				<div><div>W</div>WEIGHT</div>				<div><div></div>SANITARY SAMPLING VALVE</div>				<div><div></div>AUTOMATIC MODULATING VALVE 3-WAY</div>											
				<div><div>S</div>FREQUENCY/SPEED</div>				<div><div></div>AIR BLOW VALVE</div>				<div><div></div>SOLENOID VALVE</div>											
				SECOND LETTER																			
				Display of output function																			
				<div><div>C</div>CONTROLLING</div>																			
				<div><div>E</div>SENSING ELEMENT</div>																			
				<div><div>I</div>INDICATING</div>																			
				<div><div>R</div>RECORDING</div>																			
				<div><div>S</div>SWITCHING</div>																			
				<div><div>T</div>TRANSMITTING</div>																			
				<div><div>X</div>CONVERTING</div>																			
				THIRD LETTER																			
				Qualifying letter																			
				<div><div>H</div>HIGH</div>																			
				<div><div>M</div>MEDIUM</div>																			
				<div><div>L</div>LOW</div>																			
				*TYPE OF QUALITY																			
				<div><div>Q^{BRIX}</div>BRIX</div>																			
				<div><div>Q^{PH}</div>pH</div>																			
				<div><div>Q^{COND}</div>CONDUCTIVITY</div>																			
				<div><div>Q^{TURB}</div>TURBIDITY</div>																			
												</											

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V107: THREE POS. VALVE

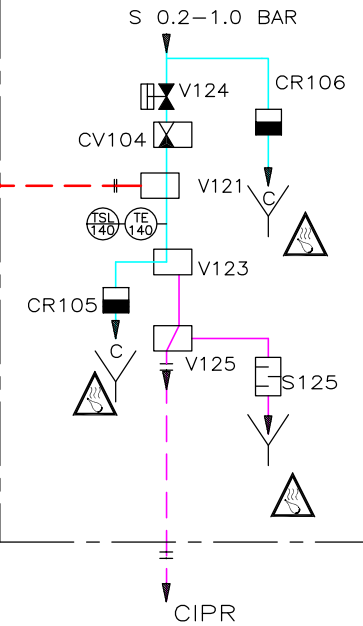
FEED BACK ON VALVES
V101, V102, V107

— — NOT INCLUDED IN TPD&B, DELIVERY


 CAUTION!
HIGH TEMPERATURE OUTLET!

Rev	Description	Designer	Appr. By	Date

TO BE LOCATED OUTSIDE
THE FILLING MACHINE ROOM.
MIN. DISTANCE FROM THE
LAST FILLING MACHINE ~7 mtr.



K111379 Bishkeksut, Russia
Tetra Alsaf LA, 30.000 L
Flow Diagram

Machine No T5844610432	Designer SW	Appr. By BOO	Date 2001-11-15	File Name 30244-0986.dwg
Company Tetra Pak Dairy & Beverage Systems AB		Format A2	Template	
		Scale 1:1	Document No 30244-0986	Revision