

ABB MEASUREMENT & ANALYTICS

Measurement solutions for the dairy industry

Application overview of suitable
instrumentation



The instrumentation for your processes

		Recommendation for your process						
Process step	Device	Hygienic flowmeter FEH610 / FEH630	Ponted head electrodes FEH610 / FEH630	FEH630 with presetting counter	Hygienic flowmeter FSM4000	Coriolis mass flowmeter FCB100 / FCH100	Coriolis mass flowmeter FCB430 / FCH430	
								
Milk reception	Flow raw milk	○	○	●		○	○	
	Temperature raw milk							
	Fill level buffer tank							
	Monitoring temperature milk in buffer tank							
Pasteurization	Temperature drink milk after heater							
	Temperature drink milk after heat holding							
	Outlet temperature drink milk							
	Pressure loss over heater/recooler							
	Fill level feed tank							
	Pressure maintenance drink milk							
	Control hot water							
	Control cooling brine							
	Flow raw milk	●	○	○			○	
	Supervise pasteurization							
Separation/ Standardization	Flow milk to separator	●	○	○			○	
	Flow control Flow milk to separator							
	Flow cream		●				●	
	Density/concentration cream					○	○	
	Flow skim milk	●	○				○	
	Control cream adding							
CIP/SIP	Flow CIP medium	●	○	○	○		○	
	Temperature CIP medium							
	Flow dishwater	●	○	○			○	
	Control steam							
	Supervise differential pressure							
Frequent general measurements	Flow of fatty medium		●				●	
	Flow of medium with low conductivity				●		○	
	Flow of medium with solid content (e.g. fruit)				●		●	
	Flow of steam						○	
	Flow of hot water	●					○	
	Flow of cooling brine	●	○	○	○		○	
	Presetting counter functionality			●				
	Filling > 5 s fill time			●		○		
	Overburden pressure							
	Steam pressure							
	Temperature steam							
	Temperature hot water							
	Temperature cooling brine							
	Control flow/pressure product							
	Control flow/pressure steam							

● recommended ○ possible

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