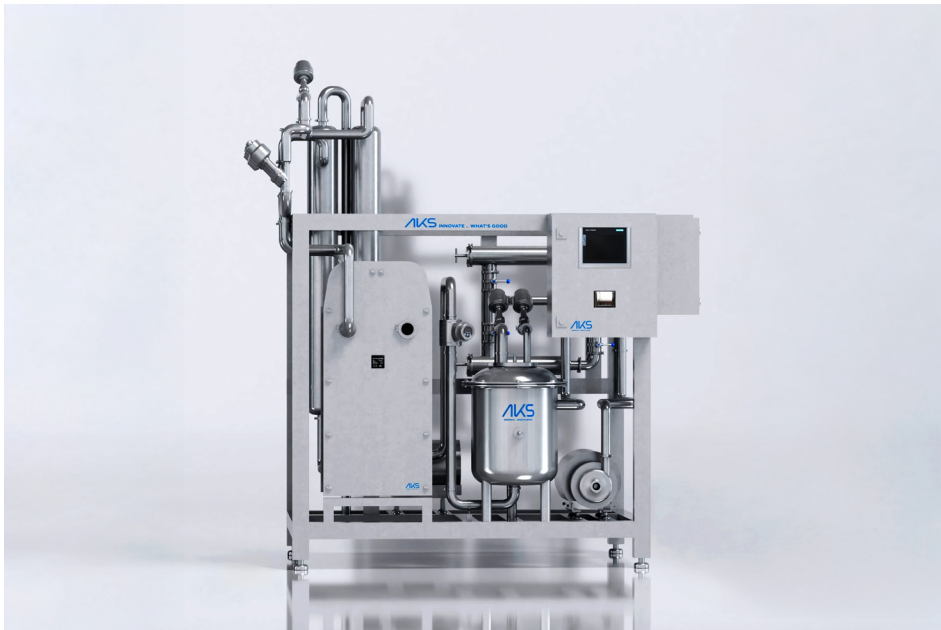


Co-operation with the al rowad company

Milk Receiving Unit
Pasteurization unit
UF Unit 4 modules
UF Unit 2 modules
CIP UNIT 3 Tanks



UNIT ITEMS



Milk Receiving Unit Capacity 15 Ton/ H @ 45c

Unit Details	All Unit in Chassis From Stainless steel 304, capacity 15T/H @ 45c, wide space Palet 316L @ 12Bar. Included Degasing Tank , Food Grade Hoses.
Hot Water Chiller System	This unit consist off Automatic heating and cooling system 304 with Penumatic angle valve 1.5" for steam supply and Return. Also same system for chiller supply and return . and steam trab 1"
Control&Sensor	PLC Control, Full Automatic and control system with touch screen 9 inch Siemens, the PLC control is Siemens 1200 G2 . The unit coverd with 3 PT100 , 2 Level sensor from IFM , Flowmeter , working by pump from Donjoy with VSD control.
Pneumatic Valve Conrol	This Machine consiste of semi automatic control valves for product in, Product out , CIP , and water Supply.



UF Unit 4 modules * 2 filter

Unit Details	All Unit in Chassis From Stainless steel 304 capacity 4 Modules each one 2 Spariel Filter.
Hot Water Chiller System	This unit consist off Automatic heating and cooling system 304 with Penumatic angle valve 1.5" for steam supply and Return. Also same system for chiller supply and return . and steam trab 1"
Control&Sensor	PLC Control, Full Automatic and control system with touch screen 9 inch Siemens, the PLC control is Siemens 1200 G2 . The unit covered with 3 PT100 , 2 Level sensor from IFM , Flowmeter , working by pump from Donjoy with VSD control.
Pneumatic Valve Conrol	This Machine consiste of semi automatic control valves for product in, Product out , CIP , and water Supply.



Pasteurization unit 5 Ton & 5 Sections Control Double Automation

Unit Details	The pasteurization Unit set on Chassis From Stainless steel 304 capacity 5 Tons and 5 Sections. About the plate is made from S.S 316L from China. The temperture in each section is 4C+ for product in , 45C separator section , 65C for homogenizer section then pasteurization at 85C then out at 4c or 48c.inculced Filter 0.06 Ml. Sample valves, and light sight glasses.
Hot Water Chiller System	The hot water system consist of 2 automatic system for heat with hot water pump, heat exchanger and hot water tank. Sensor for water level in water tank from IFM with Pneumatic angle valve for water then Pneumatic steam regulator valve and pneumatic Angle valve for steam inlet, then steam trap.
Control&Sensor	PLC Control, Full Automatic and control system with touch screen 9 inch Siemens, the PLC control is Siemens 1200 G2 . The unit covered with 3 Temperature transimetter , 2 Level sensor from IFM , Flowmeter , Presure transimeter and working by 2 pumps from Donjoy with VSD control.
Pneumatic Valve Conrol	This Pasteurization unit is Double automation control starting from Milk receving in balance tank with 2 Pneumatic seated valve T , L valves, 1 Pneumatic seated valve T for CIP ball, 2 Pneumatic seated valve 1 * T/L + 1 L valve, Then 1 Pneumatic seated valve L/L 3 way for return incase of temperture drop set point, 1 Pneumatic seated valve L/L for drain ,1 Then 1 Pneumatic angle valve for water to balance tank.
Balance Tank	The Balance Tank is Stainless Steel 316L * 2.5MM with manhole 30 CM with CIP ball and Level sensor.
Holding Tube	Stainless steel Holding tube for 30Sec with material 316 pipes and elbow.



UF Unit 2 modules * 37 filter

Unit Details	All Unit in Chassis From Stainless steel 304 capacity 2 Modules each one 37 Ceramic Filter.
Hot Water Chiller System	This unit consist off Automatic heating and cooling system 304 with Penumatic angle valve 1.5" for steam supply and Return. Also same system for chiller supply and return . and steam trab 1"
Control&Sensor	PLC Control, Full Automatic and control system with touch screen 9 inch Siemens, the PLC control is Siemens 1200 G2 . The unit coverd with 3 PT100 , 2 Level sensor from IFM , Flowmeter , working by pump from Donjoy with VSD control.
Pneumatic Valve Conrol	This Machine consiste of semi automatic control valves for product in, Product out , CIP , and water Supply



CIP UNIT 3 Tanks * 1500L * Double Line

Unit Details	All Unit in Chassis From Stainless steel 304 capacity 3 tanks * 1500L . Tanks specification is Stainless Steel material * 316L from inside 2.5mm and 304 from outside *2mm tank isolated 2.5CM with manhole 45CM with Double line.
Hot Water System	This unit consist of two line for Automatic heating system 304 with Penumatic angle valve 2" for steam in and steam trab 1"
Control&Sensor	PLC Control, Full Automatic and control system with touch screen 9 inch Siemens, the PLC control is Siemens 1200 G2 . The unit coverd with 7 PT100 , 8 Level sensor from IFM , Flowmeter , Presure transimeter and working by 2 CIP pump from Donjoy with VSD control.
Pneumatic Valve Conrol	This CIP unit consist of 2 separte line for cleaning system each line consiste of 3 pneumatic Butterfly valve for tank out ,3 pneumatic Butterfly valve for material input each tank, 3 pneumatic angel valve for water inlet each tank, 3 pneumatic Butterfly valve for supply and return, 1 pneumatic Butterfly valve for water push, 1 pneumatic Butterfly valve for main line drain. All Valves from Donjoy.