

3. TECHNICAL DATA

OVERALL DIMENSIONS OF THE PLANT	: 3600 x 1150 x 1900 (h) mm
TOTAL ELECTRIC POWER INSTALLED	: 10 Kw
SUPPLY VOLTAGE	: 208 V, 3 PH + EARTH, 60 HZ

3.1 LOOSE FEED ROLLER CONVEYOR

Function:	Basket collection at load station
Capacity:	no. 1 basket
Overall dimensions:	275 x 800 mm
Framework fabrication material:	Stainless steel 304 20/10
Rollers:	1100/58 8DI 30V C=250, made of pvc

3.2 TANK 1

Function:	Cleaning by ultrasonics
Liquid:	Water solution containing max. 5% of industrial detergent (biodegradability > 90%)
Internal dimensions (usable) :	300 x 450 x 280 (h) mm
Fabrication material:	AISI316L stainless steel, 20/10 thick
Total capacity:	~ 40 lt.
Basket agitation:	mechanical
Operating temperature :	+20°C ÷ +70°C
Temperature control :	Thermoregulator
Lid :	Manual
Heating power:	1.25 Kw
Level control:	Minimum
Initial filling :	Manual 3/8"
Top up during operation :	Manual 3/8"
Overflow drain:	Ø 3/4"
Tank drain:	Manual, Ø 3/4"

3.4 TANK 3

Function :	Rinse in town water
Liquid :	Town water
Internal dimensions (usable) :	300 x 450 x 280 (h) mm
Fabrication material:	AISI316L stainless steel, 20/10 thick
Total capacity:	~ 40 lt.
Agitation:	Mechanical
Lid :	Manual
Initial filling :	Manual directly through solenoid valve VA3, Ø 3/8"
Top up during operation :	Automatic directly through solenoid valve VA3, Ø 3/8"
Overflow drain:	Ø 3/4"
Tank drain:	Manual, Ø 3/4"

3.5 TANK 4

Function :	Rinse by immersion in hot demineralized water
Liquid :	Demineralized water
Internal dimensions (usable) :	300 x 450 x 280 (h) mm
Fabrication material:	AISI316L stainless steel, 20/10 thick
Total capacity:	~ 40 lt.
Lid :	Manual
Agitation:	Mechanical
Level control:	Minimum
Heating power:	1.25 Kw
Operating temperature :	+20°C ÷ MAX.+60°C
Temperature control :	Thermoregulator
Initial filling :	Through the DEMI 20/2 MV
Top up during operation :	Through the DEMI 20/2 MV
Overflow drain:	Ø 3/4" connected to WTD
Tank drain:	Manual, Ø 3/4"

ULTRASONIC GROUP

Quantity of generators:	No. 1, RS 600 K
Quantity of transducers:	No. 1 submersible E 40/12-40F
Position of transducer:	No. 1 on the bottom
Ultrasonic power output :	600 W
Peak power :	1200 W
Operating frequency :	40 kHz

3.3 TANK 2

Function:	Cleaning by ultrasonics
Liquid:	Water solution containing max. 5% of industrial detergent (biodegradability > 90%)
Internal dimensions (usable) :	300 x 450 x 280 (h) mm
Fabrication material:	AISI316L stainless steel, 20/10 thick
Total capacity:	~ 40 lt.
Basket agitation:	mechanical
Operating temperature :	+20°C ÷ +70°C
Temperature control :	Thermoregulator
Lid :	Manual
Heating power:	1.25 Kw
Level control:	Minimum
Filter holder:	No. 1, 10"
Pump:	Plastomec mod. P031
Initial filling :	Manual 3/8"
Top up during operation :	Manual 3/8"
Overflow drain:	Ø 3/4"
Tank drain:	Manual, Ø 3/4"

ULTRASONIC GROUP

Quantity of generators:	No. 1, RS 600 K
Quantity of transducers:	No. 1 submersible E 40/12-40F
Position of transducer:	No. 1 on the bottom
Ultrasonic power output :	600 W
Peak power :	1200 W
Operating frequency :	40 kHz

3.6 TANK 5 – DRYER

Function:	Drying in recycled hot air
Liquid:	Tank 5 cannot contain any type of liquid
Internal dimensions (useable):	300 x 450 x 280 (h) mm
Fabrication material:	AISI 304 stainless steel, 20/10 thick
Heating power:	3 kW
Thermal insulation :	Pressed glass wool, 20 mm thick
Fan motor power:	550 W
Operating temperature :	+50°C ÷ +110°C
Temperature control:	Thermoregulator
Overheat protection :	Thermostat
Lid :	Pneumatically actuated automatic lid
Drain:	Ø ¾"
Air inlet:	Ø 1"
Vent:	Ø 1 ½"

3.7 LOOSE EXIT ROLLER CONVEYOR

Function:	Basket collection at unload station
Capacity:	no. 1 basket
Overall dimensions:	275 x 800 mm
Framework fabrication material:	Stainless steel 304 20/10
Rollers:	1100/58 8DI 30V C=250, made of pvc

3.8 AUTOMATIC CARRIER

Function :	Automatic transfer of baskets
Fabrication material :	Aluminium + stainless steel
Control system:	Novatec PLC
Maximum capacity:	15 kg

3.9 D.I. UNIT MOD. DEMI 20/3 MV

Function:	De-ionising rough water
Carbon filter:	No. 1, 10"
First resin column total volume:	20 lt., made of glass fibre
Max. closed loop productivity:	100 lt/h