



# AYTON PROCESSOR

 Quality, Used, Reconditioned & Remanufactured Process Plant and Equipment

 Équipements et usines, neufs, d'occasion et reconditionnés

 Equipamiento y plantas de proceso nuevos, usados y reacondicionados



## SKIM MILK POWDER PLANT

Dear Customers

We have got a 72348 kg/hr skim milk powder plant available.

Best Regards,



Peter Benson,  
Managing Director



[www.ayton.com](http://www.ayton.com)

**25000**  
Items of stock

Pièces d'équipements  
Piezas en nuestro inventario

- Bins/Hoppers
- Blowers
- Boilers
- Conveyors
- Spray Dryers
- Dust Collectors
- Evaporators
- Hoist
- Heat Exchangers
- Pumps
- Screen
- Separators
- Tanks

### SPRAY DRYERS

**TO77513** 9.5 meter dia Stork 304SS spray dryer system. 9.5m dia x 11.8m straight side chamber, 11.3m cone bottom. (2) off 0.5 meter dia disc type spray atomizers, Model MA-50-135, built 1985. Driven by 156 KW, 3/50/220/440 volt motor. Unit rated 5850 Kg/hr water evaporation; feed concentrate 12800 Kg/hr; 51%solid content at 70°C; powder content ex chamber 6% moisture. (4) off SS cyclones 7m dia x 7.35m long. Main inlet fan 73.4 KW, actual 90 KW. Exhaust fans 160 KW, actual 185 KW. Thermal fluid heater, Manufactured by Beverley. Heat output 6500kW/H at 300°C max, 9.3 bar max working pressure. Dual fired: gas at 0.65/7.70 m³/H or heavy oil at 0.68 m³/H Ignition propane gas.



### EVAPORATORS

**TO77509** Sanitary 60510kg/H water evaporator, (9700 m²) Stork SS falling film 7-effect evaporator. Built 1985. Feed rate: 72500 kg/hr of skimmed milk, 8.7% total solids at 5-25°C max water evaporation. 60,510 kg/hr vapor compression across 4-effects. With steam jet. Pasteurization temp 72-135° C.

1st and 2nd effect: each are 2 pass, 2150 m², (1606) 30mm OD x 14 m long tubes.

3rd effect: 2 pass, 1800 m², (1358) 25.9mm OD x 14 m long tubes.

4th effect: 3 pass, 2085 m² (1559) 25.9 mm OD x 14 m long tubes.

5th effect: 2 pass, 700 m², (521) 25.9 mm OD x 14 m long tubes.

6th effect: 3 pass, 547 m², (327) 38mm OD x 14 m long tubes.

7th effect: 2 pass, 3357, (153) 1.825" OD x 45'11" long tubes.

Evaporator includes 21 pumps manufactured by Fristam and 3 vacuum pumps Manufactured by Sihi. Also included in evaporator system is clean-in place system and controls.



### BOILERS

**TO77508** 6500 kW at 300°C, 9.3 bar max, thermal fluid heated boiler unit. Manufactured by Beverley, Type 528-07/5809. Fuel supply gas or heavy oil. Overall dimensions of heater unit 2.14m dia x 7.8m long. Electricity supply 3/50/415 volt. Complete w/combustion air system, Manufactured by Hamworthy, Type 3120490. System with blower (TO77533); pumps (TO77534, TO77535, TO77572); 7500 liters gal CS tank (TO77537). With control panel.



### SCREEN SEPARATORS

**TO77552** 1m wide x 2.1 long 304SS vibrating powder sifter. Manufactured by Rotex, Type 21. Single screen, aluminum top cover. 1.1 KW, 1440 rpm motor.



Member of UPE Group  
Membre du groupe UPE  
Parte de UPE grupo

## BINS/HOPPERS

- TO77510** 90000 liters vertical aluminum silo. Manufactured by J Derichs (Germany), Type 54/6860. Working pressure .6 bar. W/Dalumatic dust control unit, vibrating bin discharge, rotary discharge valve. (Quantity 3)
- TO77541** 90000 liters 304SS silo. With rotary discharge

## BLOWERS

### EXHAUST FAN

- TO77550** 30384 m<sup>3</sup>/H exhaust fan. Manufactured by Brunswick Heat Transfer, Model SPBFOG56. Belt driven by 75 KW. 1500 rpm motor. Fan 2000 rpm. 30°C.
- TO77548** 54612 m<sup>3</sup>/H. Manufactured by Brunswick Heat Transfer, Model SPBFOG7. Belt driven by 160 KW, actual 185 KW, 1500 rpm motor. Fan 1700 rpm. 69° C. (Quantity 2)
- TO77516** 86328 m<sup>3</sup>/H CS main inlet fan. Manufactured by Brunswick Heat Transfer, Model HGFOG100. Belt driven by 75 KW, actual 90 KW. Fan 950 rpm. 40° C.
- Rotary*
- TO77539** 0.75 KW cooling fan for atomizer. W/inlet filter.
- TO77533** 3.70kW CS rotary blower.
- TO77538** 14 KW cooling fan for atomizer. W/inlet filter.
- TO77553** 1080 m<sup>3</sup>/H R/M rotary blower. Model 008/18-30. Direct coupled to 0.75 KW. Density 1.2 kg/cu meter, 20 °C.

## CONVEYORS

- TO77543** 5.5 meter long 304SS vibrating conveyor. 0.75 KW, 1460 rpm motor.
- TO77515** 200 mm wide x 200mm high x 14m long 304SS inclined conveyor. With top cover.

## TANKS

Ref.	Capa liter	Material	H/V	Q
TO77560	180	SS	V	
TO77559	350	SS	V	
TO77557	1000	SS	V	
TO77558	1800	SS	V	
TO77556	5450	SS	V	
TO77537	7500	CS	H	
TO77527	8000	SS	V	
TO77529	8500	304SS	V	
TO77519	16000	304SS	V	2
TO77530	17000	304SS	V	
TO77501	32000	304SS	V	

## DUST COLLECTORS

- TO77542** 9 m<sup>2</sup> DCE Dalmatic SS dust collector. Model V9/15F. CS housing. Compressed air 4.48bar. 0.75 KW, 2860 rpm motor.
- TO77544** 2 m dia x 7.4 m long SS cyclone. Manufactured by Stork. Inlet flange 0.6 meters x 0.9 meters. Complete with rotary valve discharge and DCE dust control units. (Quantity 4)

## PUMPS

Ref.	Inlet Dia mm	Outlet Dia mm	Power kW	Mfd&Type	Material	Q
TO76351	50	25	1.1	Fristam/FP712	304SS	
TO77532	60	25		Alfa Laval/FM-34-145	304SS	
TO76352	60	40		Fristam/FP3582	304SS	
TO76340	60	40	5.5	Fristam/FP3532	304SS	5
TO77521	60	45			304SS	2
TO77580	50	25	1.1	Fristam/FP712	304SS	
TO76353	60	45	7.5	Fristam/FP3532	304SS	
TO76338	60	50	2.2	Fristam/FP3552	304SS	
TO77525	70	55		Midlands Dayry/85G98A1	304SS	
TO77528	60	60			304SS	
TO76337	75	25	2.2	Fristam/FP3422	304SS	
TO76992	75	45	7.5	Fristam/FP3442	304SS	
TO76993	75	45	11	Fristam/FP3442	304SS	
TO76995	75	55	11	Fristam/FP3542	304SS	
TO76350	75	55	15	Fristam/FP3542	304SS	
TO76994	75	60	11	Fristam/FP3542	304SS	
TO77565	75	60	22		304SS	
TO76996	80	55	11	Fristam/FP3542	304SS	
TO76997	80	55	15	Fristam/FP3542	304SS	3
TO76339	90	60	7.5	Fristam/FP3532	304SS	
TO77502	100	75	11	Worthington Simpson	CS	2
TO77507	125	100		Cen80-250	CS	
TO77523				APV/Puma III	304SS	
TO77524				APV/Puma III	304SS	
TO77536			2.2	Beverley Eng.		

## HEAT EXCHANGERS

Ref.	Area	Type m <sup>2</sup>	Mfd	Material	Q
TO77551	16.64	plate R-52	APV	304SS	
TO77526	19.7	plate R-56	APV	304SS	
TO77531	35.36	plate R-52	APV	304SS	
TO77517/8	45	tube and shell	Stork Friesland	SS	2

## PUMPS - VACCUM WATER SEAL

- TO77540** 39 m<sup>3</sup>/h at 0.84 bar, Sihi Maters (Lohe) water seal vaccum pump. Model 20107. Direct driven by 2 HP (1.5 KW) motor. W/pressure gauge.
- TO77561** 492 m<sup>3</sup>/h at 0.84 bar, Sihi CS water seal vac pump. Model LPH65320, SN 2845640, NB #MP122. Direct driven by 20 HP (15 KW), 1445 rpm motor.

## HOIST

- TO77514** 5 ton electric hoist. Manufactured by Morris, Model 410L. Driven 930 rpm motor, thru Radicon gearbox.



# FAX BACK

# +44(0) 1642710100

# SPAIN: +34 968 89 71 28

Please complete and fax this form for more information

Faxez-nous ce formulaire pour plus de renseignement! / Envie este fax conseguir informacion adicional!

From	/ De	/ De	_____
Job Title	/ Titre	/ Puesto	_____
Company	/ Companie	/ Empresa	_____
Address	/ Address	/ Dirección	_____
Post Code	/ Code Postal	/ Código Postal	_____
Country	/ Pays	/ País	_____
Phone	/ Téléphone	/ Telefono	_____
FAX	/ FAX	/ FAX	_____
E-mail	/ Courriel	/ e-mail	_____@_____

My Company Manufactures / Ma Company Fabrique / Mi Empresa Fabrica \_\_\_\_\_

I am interested in buying/selling the following / Je suis intéressé pour acheter/vendre les équipements suivants / Estamos interesados en la compra/venta de los siguientes \_\_\_\_\_

**Ayton Equipment Ltd**

Station Road, Stokesley,  
Middlesbrough, Cleveland.  
TS9 7AB United Kingdom.

e-mail: AU@ayton.com

Tel: +44(0) 1642 711 455  
Fax: +44(0) 1642 710 100

**Oficinas en España:**

C/ San Joaquín, 11  
30820 Alcantarilla, Murcia,  
España.

Contact : Marcos Hernandez

Tel: +34 968 89 70 79  
Fax: +34 968 89 71 28