

## USED EQUIPMENT STOCK REVIEW JANUARY 2021

### NEW ARRIVALS

**We have recently taken into stock the following items that may interest you:**

- 2B 4236 Websters 5000L stainless steel jacketed mixing vessel, Lightnin Series 10 7.5kw, 1450rpm mixer, (2 available)
- 2B 4227 300ltr stainless steel mixing vessel, mirror polished, Silverson 4kw high shear mixer, mounted onto 3 s/s legs, (2 available)
- 1A 4222 Riva Piccola 10 station "B" bench top rotary tablet press.
- 1A 4218 Safeline model PH2 tablet/capsule metal detector in polished finish 316 stainless steel (4 available)
- 1A 4213 Manesty model BB4 double sided rotary tablet press, 35 stations, "B" turret supplied with 2 x Lock MET30's & 2 x Kraemer dedusters
- 1A 4209 King model TB4 ATLC semi auto two channel electronic tablet/capsule counter in polished stainless steel.
- 1A 4203 King "Dispensa" tablet/capsule check counter in polished stainless steel finish (4 available)
- 1A 4178 Manesty Accelacota 350 tablet coating machine
- 4D 4177 Uhlmann 3040 Blister Bander
- 1A 4176 Manesty D3B tablet press
- 1A 4174 Manesty Betapress (2 available)
- 1A 4173 Lock MET30+ inline belt metal detector
- 3C 4172 Riggs Autopack auger filling machine
- 6F 4171 Prism Pharma Machinery model PVS30, 30" twin deck stainless steel vibratory sieve
- 8C 4165 Aro 1" Alu double diaphragm pump (4 available)
- 1A 4159 Casburt tablet deduster, all stainless steel, 240v, 1 phase supply
- 4E 4156 Stainless steel 1m diameter rotary table, 240v single phase
  
- 1A 4146 Vector Freund MFL.01 Lab-Micro development fluid bed system
- 1D 4145 Glatt "UNIGLATT" small scale (product/lab development) fluid bed dryer
- 1A 4143 FETTE model 2100 tablet press, 32 station, "D" turret
- 1A 4142 Bosch model KKE 2500 capsule checkweigher with an output of upto 150,000 capsules/hr, numerous sets of size change parts.
- 1B 4141 Fitzmill model D6A mill, stainless steel
- 1B 4140 Fitzmill model M5A comminuting mill, stainless steel
- 2B 4138 BIBBY 400 ltr mixing vessel, excellent condition
- 2B 4136 10Ltr polished stainless steel mixing vessel, mobile, appears UNUSED
- 2B 4134 20Ltr polished stainless steel mixing vessel, mobile, appears UNUSED (1 available)
- 1E 4132 Dr Schleuniger Autotest 4 tablet testing system

**All listed items are wholly owned Novatech stock available from our warehouse.**

### PHARMACEUTICAL PRODUCTION / PROCESSING: >

### SOLID DOSE MANUFACTURING / PROCESSING & PACKING

- 1A 4112 Swiftpack SV2 twin lane tablet counting line, incl. Dico capper/elevator, Omega unscrambler/elevator
- 1A 4068 IMA Swiftpack SPC16 tablet counter, complete with 5m conveyor
- 1A 4031 Kraemer model C810 deduster
- 1A 4030 Kraemer model C810 deduster
- 1A 4016 Swiftlift elevator (2 available)
- 1A 3983 MANESTY tablet deduster, model TD25
- 1A 3961 Pharma Technologies model PH4 Pro2LF combined metalcheck and deduster (2 available).
- 1A 3959 Safeline PH2 metalcheck (2 available).

- 1A 3949 Pharma Technologies stand alone deduster (6 available).
- 1A 3890 MANESTY Rotapress Diamond MK V 55 station turret for Euro-norm "B" type punches and dies.
- 1A 3889 MANESTY Rotapress MK IV 55 station turret for Euro-norm "B" type punches and dies.
- 1A 3887 10kg Lab Development V Cone Blender
- 1A 3886 Manesty F3
- 1A 3883 MANESTY XL 60litre coater
- 1A 3867 Kraemer C810 Deduster & Safeline Metal Detector
- 1A 3863 Swiftlift Elevator
- 1A 3816 Safeline model PH2 metal detector
- 1A 3797 KING "Technocount" model TC8 fully automatic medium speed electronic tablet/capsule counter/filler with 8 lanes
- 1A 3787 Fantasy IP45 bench top lab scale blister packer, tooling for sizes 00 and 3 capsules
- 1A 3674 Rohrer & Collin Development/Lab scale blister packer with change parts
- 1A 3673 Swiftpack model SPC12 Electronic Automatic Tablet Counter, Full stainless steel
- 1A 3597 King TB4 in polished stainless steel finish, mounted onto stainless steel mobile frame
- 1A 3517 Elanco 8 semi-auto capsule filler with sets of change parts, 316 S/S.
- 1A 3356 MR DEBLISTER for salvage of rejected capsules from blister packs.
- 1A 3181 KRAEMER C800 uphill type tablet de-duster.
- 1A 3180 KRAEMER C800 uphill type tablet de-duster.
- 1A 3179 KRAEMER C810 uphill type tablet de-duster
- 1A 3172 KRAEMER C810 uphill type tablet de-duster
- 1A 2342 SAFELINE "Tablex" tablet/capsule metal detector, mirror polished. 75 x 45mm aperture

#### **GRANULATORS AND MILLS**

- 1B 3940 Frewitt Coniwitt mill.
- 1B 3808 GLATT model GS100 conemill, polished stainless steel, ex Pharma, excellent condition.
- 1B 3743 FREWITT model GLA-OV laboratory scale granulator, constructed in 316 grade stainless steel
- 1B 3353 FLUID AIR 103 Fluid energy mill
- 1B 3326 J BONALS oscillating granulator model 25 constructed in 316 grade stainless steel with mirror polished surfaces

#### **MIXERS AND BLENDERS**

- 1C 3820 PMS UD100 Universal Drive lab blender
- 1C 3722 COLLETTE "Gral" 90 litre mixer/granulator in mirror polished 316 grade stainless steel.
- 1C 3718 AEROMATIC FIELDER model PMA 25 mixer-granulator, stainless steel
- 1C 3717 RAYNERI "Tri-mix TXR 50" 50 litre mixer
- 1C 3705 AEROMATIC FIELDER PMA 65 high speed mixer granulator
- 1C 3523 AEROMATIC FIELDER PMA 10 high speed mixer granulator, full GMP.
- 1C 3411 AEROMATIC FIELDER model PMA 65 mixer-granulator, GMP quality, 316 grade mirror polished stainless steel all surfaces

#### **PROCESSING MACHINERY**

- 1D 4118 Glatt VG25 mixer/granulator
- 1D 4117 Glatt GCPG35 mixer/granulator
- 1D 4081 Hosokawa LP200/50P compactor with Frewitt MG336 oscillating granulator, touch screen control panel, mounted on s/s frame
- 1D 3719 GLATT model GCPG 3-5 Fluid bed spray coater/granulator, 3 to 5 kg batch size, complete with WURSTER bowl
- 1D 3352 NIRO ATOMISER type CC1 "COMBICOTA" lab scale fluid bed dryer/coater/granulator
- 1D 3275 IKA "DISPAX" type DR3/16 high performance homogeniser, 3 stage head, each with 3 separate rotor/stator sets, 45kw.
- 1D 2760 CALEVA model 15 spheroniser, 316 stainless steel, extended bowl, mobile.

#### **OTHER EQUIPMENT**

- 1E 3944 Dr Schleuniger WHT AutoTest4 tablet tester (2 available).
- 1E 3730 HOSOKOWA powder testing system
- 1E 3559 ERWEKA DTG 400 4 flask tablet disintegration tester
- 1E 2305 C I ELECTRONICS tablet checkweigher, bench top model in polished stainless. Complete with data printer.

#### **STAINLESS STEEL VESSELS**

##### **PROCESS VESSELS**

###### 0-500 LITRE VESSELS

- 2A 4125 Berents "Becomix 125" mixing/homogenising vessel, excellent condition, complete with manuals
- 2A 4124 Giusti 50L process vessel, excellent condition, complete with manuals
- 2A 3998 Haagen & Rinau UNIMX SRT15 process vessel, vacuum rated, bottom entry underdriven homogeniser
- 2A 3872 GROEN lab scale process mixing vessel
- 2A 3818 SKERMAN 25 litre process vessel
- 2A 3805 SOMAKON model MPL1 lab mixer
- 2A 3749 GIUSTI "PHARMIX" 50 gallon process vessel in polished 316 s/s.
- 2A 2372 325 litre STAINLESS SERVICES LTD vessel, 316L. 1 bar + full vac. Limpet coil jacket 6 bar wp. LIGHTNIN mixer 1.5kw Flp
- 2A 2373 325 litre STAINLESS SERVICES LTD vessel, 316L. 1 bar + full vac. Limpet coil jacket 6 bar wp. LIGHTNIN mixer 1.5kw Flp
- 2A 3737 250 litre BECOMIX 250 jacketed, vacuum, scraped wall, homogeniser.
- 2A 3625 200 Ltr Websters process vessel, full vac and jacketed
- 2A 3733 150 litre, polished internal/external finish, 3 bar + full vacuum, electrically heated jacket, Greaves FGM mixer.
- 2A 2391 143 litres HAAGEN & RINAU 316 stainless vessel. 3 blade prop mixer. Stainless jacketed. Vacuum rated. Lapped finish.
- 2A 3238 140 litre mirror polished conical vessel with jacket and top mixer..
- 2A 3690 50 litre GIUSTI "Pharmix 50" process vessel, side-scrape, homogeniser, jacket, vacuum
- 2A 3051 20 litre FRYMA model VME 20 lab/product development scale mixer for creams, lotions, gels and viscous products.
- 2A 2966 15 litre GIUSTI with under driven scraped surface agitator, top entry homogeniser, jacketed, full stainless control panel.
- 2A 3042 12 litre FRYMA model VME 12C lab/product development scale mixer for creams, lotions, gels, and viscous products.

###### 501- 1000 LITRE VESSELS

- 2A 3870 SKERMAN 1000L contra rotating process vessel
- 2A 3704 1000 litre Skerman process mixer, contra rotating, vacuum, jacketed, bottom homogeniser, hydraulic raise/lower
- 2A 3508 900 litre Giusti process vessel, scraped surface with contra baffle plates, variable speed, jacketed
- 2A 2546 700 litre SINCLAIR hemispherical mixing vessel, vacuum + 4bar. Variable speed 1.5kw anchor mixer.

###### 1001 LITRE + VESSELS

- 2A 2954 7729 litre WEBSTERS vessel with scraped surface contra rotating mixer, full stainless 10.34 bar jacket

##### **MIXING VESSELS**

- 2B 4077 Stainless steel product supply vessel, approx gross volume 1000 litres
- 2B 4076 316 grade stainless steel mixing vessel, approx gross capacity 1000 litres, polished internal finish
- 2B 4075 Stainless steel mixing vessel, gross capacity 1100litres, top mounted 4 blade propeller mixer
- 2B 4074 316 s/s mixing vessel, 1050 litres gross, 2 separate top dish mounted mixers, mobile on castors
- 2B 4061 SRI 250 litre electrically heated mobile vessel
- 2B 4038 Wincanton Engineering stainless steel mixing vessel, 400L (2 available)
- 2B 4037 Sapphire Engineering 455L, ASME V111 classification, s/s construction with mirror polished finish.
- 2B 2319 1000 litre Wincanton Engineering 316 S/S mixing vessel, 316L 2 bar s/s jacket. 4 blade turbine mixer, Flp drive.
- 2B 2347 850 litre 316 stainless pre mix vessel, full stainless jacket, top mounted Silverson homogeniser. Flat top, dished base.

- 2B 2352 700 litre stainless steel vessel with LIGHTNIN top mixer. Mounted onto a stainless steel mobile base.
- 2B 2470 477 litre PERMA SAN polished finish stainless open top vessel with LIGHTNIN VIP25A air driven clamp on mixer fitted.
- 2B 3600 DONSMARK model QMM/I mobile laboratory size mixing system with 3 interchangeable bowls

#### **PANS & PRESSURE VESSELS**

- 2D 1794 1150 litre polished 316 receiver, 1000 dia x 1400 plus dished ends. 2.2 bar + FV wp. Lagged, s/s rigid clad, 3 x mtg. brackets.
- 2D 1795 1150 litre polished 316 receiver, 1000 dia x 1400 plus dished ends. 2.2 bar + FV wp. Lagged, s/s rigid clad, 3 x mtg. brackets.
- 2D 1565 260 litre hemispherical stainless pan 700 dia x 800mm deep. Top cover. 20mm dia outlet. 40 psi painted jacket to base.
- 2D 3474 250 litre (approx) jacketed Stainless steel vessel, last used as a fat melt vessel

#### **STORAGE & MOBILE VESSELS**

- 2E 3906 KUGLER mobile pressure vessel, 225 litre, 316 stainless, three zone electrically heated jacket, lagged and clad, 8 available

#### **FILLING EQUIPMENT**

##### **LIQUID FILLERS**

- 3A 4082 Marchesini model ML616 fully automatic monobloc filler/capper.
- 3A 4043 OMAS monobloc filler/capper complete with bowl feeders
- 3A 3999 KING 5 head liquid filling machine
- 3A 3884 Apple model MR900 pneumatic depositor
- 3A 3873 KEMWALL hot liquid filler for cosmetic products
- 3A 3614 KING 4 head inline liquid filler, piston style pumps, different sizes available
- 3A 3282 M & P single head depositor, pneumatic, stroke adjustable, 10ml up to 2 litre fills.
- 3A 3258 ADELPHI type "Centrair" bench top semi auto liquid filler, all stainless, pneumatic, product hopper, rotary valve.
- 3A 3218 ADELPHI "Centrair" bench top filler, all stainless, product hopper, rotary valve, pneumatic operation, on a s/s table.
- 3A 3217 ADELPHI "Centrair" bench top filler, all stainless, product hopper, rotary valve, pneumatic operation, on a stainless steel table

##### **TUBE FILLERS**

- 3B 2928 UNIPAC type S90 tube filler, hot jaw sealing system for thermoplastic tubes

##### **POWDER FILLERS**

- 3C 4036 PRECI srl model Abaco EW powder filler
- 3C 3978 ALLFILL powder filling machine

#### **OTHER FILLERS ( FFS, SACHET, DEPOSITORS, AEROSOL, PASTE/CREAM)**

- 3C 3675 ILAPAK "Alfa400" 4 lane sachet filler, 200/min, 4 side seal

#### **PACKAGING MACHINERY**

##### **LABELLING MACHINES**

- 4A 3974 PAGO model 15 E-i labelling machine (3 available)
- 4A 3977 PAGO model Pagomat 3 labelling machine
- 4A 3970 NERI SL400 labeller (2 available).
- 4A 3936 PAGO SYSTEM 214 top labelling machine
- 4A 3934 PAGO SYSTEM 214 top labelling machine
- 4A 3158 HARLAND "Comet" labelling head with Allen hot foil coder attached
- 4A 2988 HARLAND "Proteus 155S single head top labelling machine



#### **CARTONING & CODING MACHINES**

- 4B 4090 V2 model V106 automatic cartoning machine, max 100 cycles per min, suitable for small/medium sized products.
- 4B 4066 IMA K150 Cartonner, 2 available
- 4B 4062 Jacob White TFS carton closer
- 4B 3377 Domino DDC3 laser coder, all stainless steel construction, as new
- 4B 3376 Domino DDC3 laser coder, all stainless steel construction, as new
- 4B 3762 LINX high speed Laser coder.

#### **CAPPING & CLOSING MACHINERY**

- 4C 4012 King Isec capping machine
- 4C 4010 King ROPP 8 head capping machine
- 4C 2544 PLASTIK TECHNIC VSM2 bench top semi auto screw capper, all S/S. Torque adjustable. Fully guarded. Looks UNUSED.
- 4C 2131 BWI KP Aerofill bench top pneumatically operated semi auto crimper for atomizer pump sprays (not for Aerosol pumps).

#### **SEALING, WRAPPING & SHRINKWRAPPING MACHINERY**

- 4D 4059 Enercon Superseal, model LM5022, 1 available
- 4D 3933 KEINER SKINETTA ASK 2000 Overwrapper
- 4D 3277 MULTIVAC bag sealer type A300/16
- 4D 3215 WRAPS UK L sealer

#### **LINE MACHINERY**

- 4E 4052 Garvens VS2 checkweigher
- 4E 4009 OCS checkweigher
- 4E 3773 Thermo Ramsey inline checkweigher type RXM (Best 900 series)

#### **ANCILLARIES**

#### **BLENDING EQUIPMENT**

##### **DRY PRODUCT BLENDERS**

- 5A 4119 Erweka AR400 lab blender
- 5A 4015 Winkworth GU660 powder blender
- 5A 3891 Stainless steel paddle blade blender for use on liquids or powders. Gross capacity 3026 litres.
- 5A 3683 Apex 45kg stainless steel twin shell "V" powder blender, 400mm dia shells.
- 5A 3027 WARWICK polished S/S cube blender, 33 litres gross capacity, variable speed, batch timer
- 5A 2671 TP ENGINEERING type 755 small scale powder blender, 17mm dia x 375mm long glass Turbula product flask.

##### **LIQUID BLENDERS & HOMOGENISERS.**

- 5B 4084 Silverson 450L on a mobile trolley
- 5B 4033 Silverson 450LS homogeniser
- 5B 4027 Ytron Y2.20 mixer
- 5B 3860 Ytron model ZPS 130 inline homogenizer, appears Unused condition, supplied with manufacturers manual
- 5B 3996 Silverson Verso bench top inline mixer.
- 5B 3994 Silverson L5M
- 5B 3724 SILVERSON "DX" drop in type homogeniser, 0.75kw 2,850 rpm, 415v, wall mount system with pneumatic raise/lower.
- 5B 3623 IKA Dispax lab scale homogeniser

## **PROCESS EQUIPMENT**

### **DRYERS**

**HEAT EXCHANGERS** (Stock items not yet itemised)

### **MILLS**

### **HEATING & COOLING**

6D 3819 TRICOOL T90E heating system.

6D 3613 "THERMOSAFE" induction heater for raising the product temperature in 205 litre drums, intrinsically safe EXd T3

6D 3612 "THERMOSAFE" induction heater for raising the product temperature in 205 litre drums, intrinsically safe EXd T3

6D 3611 "THERMOSAFE" induction heater for raising the product temperature in 205 litre drums, intrinsically safe EXd T3

6D 3610 "THERMOSAFE" induction heater for raising the product temperature in 205 litre drums, intrinsically safe EXd T3

### **WEIGHING EQUIPMENT**

6E 2338 SARTORIUS type ISI 20 electronic platform scale. 20kg x 0.1gm. 400 x 300mm platform. Flameproof electrics. S/S. 1999.

6E 2337 SARTORIUS type ISI 20 electronic platform scale. 20kg x 0.1gm. 400 x 300mm platform. Flameproof electrics. S/S. 1999.

6E 1920 NOVAVEIGH type T6006-200 stainless steel 200kg load cell set combination wired. 14mm dia. Ex batch vessel.

## **FILTRATION EQUIPMENT**

### **SIEVES & SIFTERS**

6F 4083 Russell Compact sieve

6F 4032 Lehmann VSM vibratory 2 deck sieve

6F 4029 Azo sifter

6F 3993 Russell Vibrasonic sieve, 36"

6F 3748 KEK GARDNER type K300C rotary powder sifter, 316L s/s, New in 2010 and remains UNUSED condition.

6F 2986 KEK KEMUTEC rotary sifter in stainless, flameproof drive

## **MIXERS**

### **AGITATORS**

7A 4058 Premier mixer on a stand

7A 3984 Farley Greene mobile tank mixer

7A 2935 PREMIER pedestal mixer

7A 2584 PREMIER "Pilot" 2400M clamp on mixer. 0.37kw motor. 16mm dia x 465mm long S/S shaft with a 3 blade propellor.

### **CHANGE PAN MIXERS**

7B 3782 HOBART model H600 heavy duty change pan mixer.

### **PLOUGHSHARE MIXERS**

7C 3769 WINKWORTH type RT650 stainless steel ploughshare mixer, approx 1075 litre total capacity, 650-800 working capacity

## **PUMPS**

### **CENTRIFUGAL PUMPS**

- 8A 3270 MIDLAND DAIRY type D3 4K, 316 S/S, 50mm RJT connections, 4kw drive. Brand new unused pump, still in packing case.
- 8A 3269 MIDLAND DAIRY type D3 4K, 316 S/S, 50mm RJT connections, 4kw drive. Brand new unused pump, still in packing case.
- 8A 2314 HILGE Hygia Super K I/306 in 316 S/S, 50mm dia ISS connections, 4kw 2900rpm shrouded motor

### **POSITIVE DISPLACEMENT PUMPS**

- 8B 3693 BLACKMER "MOUVEX" C4ICVT rotary positive displacement pump, s/s, 1999
- 8B 3121 FRISTAM FLK25 S/S claw type pump for high pressure/suction viscous products, 300psi, 65/80mm dia RJT connections.
- 8B 3102 FRISTAM FLK25 S/S claw type pump for high pressure/suction viscous products, 300psi, 65/80mm dia RJT connections
- 8B 3101 FRISTAM FLK25 S/S claw type pump for high pressure/suction viscous products, 300psi, 65/80mm dia RJT connections
- 8B 3098 SSP T2 in 316 stainless, 50mm dia flanged inlet/outlet, 2kw drive + reduction gearbox.
- 8B 3097 SSP T2 in 316 stainless, 50mm dia flanged inlet/outlet, 2kw drive + reduction gearbox.
- 8B 3096 WAUKESHA size 25 in 316 S/S, 50mm dia ISS connections, 3hp motor + variable speed, S/S baseplate, ex food industry.
- 8B 3079 ALFA LAVAL NMOG/622, 316 S/S, 50mmdia connections, 5.5kw + variable speed, S/S baseplate, as new condition
- 8B 3078 ALFA LAVAL SX2/013/H, 316 S/S, 40mm dia connections, 0.37kw v/ speed 386-1480 rpm, S/S mobile base, UNUSED.
- 8B 3065 SSP AP100/BS, 25mm dia connections, 5 bar, 0.5kw drive, 282rpm pump speed.
- 8B 3064 SSP AP150/BS in stainless steel, 40mm dia RJT connections, 1.5kw drive, 611rpm pump speed.
- 8B 2982 SSP 100ND in stainless, pressure relief valve, 0.75kw drive, 25mm dia inlet/outlet.
- 8B 2950 MASO sine pump type SPS 2, 316 grade stainless, 50mm dia inlet/outlet connections, TRICLOVER hygienic fittings
- 8B 2714 MONO SJ500 1V Hygienic pump, 50mm dia inlet/discharge, 2hp, stainless, pump speed 200 – 900 rpm.
- 8B 2590 WAUKESHA 060 in stainless, 65mm dia connections, on a S/S baseplate, ex food industry.
- 8B 1921 MONO type SH60 D5 stainless pump ex food industry. 50mm dia flanged connections with valves. 3kw 1420 rpm 415v.
- 8B 1807 SSP rotary lobe pump type 100ND, ISS 1" connections. 1.4kw 415v 1400 rpm motor driving at 3:1 belt & pulley reduction.
- 8B 1568 SSP model 75ND. 0.5kw 415v. 30 psi stamped.
- 8B 1562 HOWARD type 1KL 2" rotary lobe pump. Stamped 2-600 kg/hr, head 10ft. 1hp motor 415v. Pump speed 210 rpm.
- 8B 1553 BLACKMER model 41 H2 internal gear pump. 316 stainless. 40mm flanged connections. Direct 920 rpm 0.75kw FLP motor.
- 8B 1227 SSP 130ND in S/S, 40mm dia ISS connections, 3hp belt & pulley drive.
- 8B 1153 SSP rotary lobe pump type AP100 CS8T, stamped 5 bar, 70°C, S/S mobile trolley, variable speed drive, 0.75 kw 3 phase

### **DOUBLE DIAPHRAGM PUMPS**

- 8C 3267 FLOTRONIC all stainless double diaphragm pump, 25mm inlet/outlet hygienic, connection ports, "one nut" easy strip.
- 8C 3206 DELLMECO DM40/315/ptt in solid white Polypropylene, Teflon wetted parts, 40mm dia connections.
- 8C 3200 SSP Aluminium double diaphragm pump, 30mm dia inlet/outlet connections.
- 8C 3104 SANDPIPER CSP 14 hygienic double diaphragm pump, 50mm connections.
- 8C 3103 DEPA DL40 in 316 stainless steel, 50mm dia RJT inlet/outlet connections.
- 8C 3005 SANDPIPER CSP 14 hygienic double diaphragm pump, 50mm connections
- 8C 2195 ALMATEC model AD 20 STT-E double diaphragm pump in 316 stainless. Teflon internal parts. 200mm dia threaded ports.
- 8C 2022 SANDPIPER model SB1 A stainless steel double diaphragm pump, 40mm dia screwed connections.
- 8C 1608 ITT MARLOW stainless steel 1" double diaphragm pump.

### **VACUUM PUMPS**

- 8D 3161 BUSCH "Huckepack" once through lubricated vacuum pump type E2M12
- 8D 3111 EDWARDS oil sealed sliding vane rotary vacuum pump,
- 8D 3080 EDWARDS model E2M5 two stage sliding vane rotary vacuum pump, 5.6cu.m/hour, 7.5 x 10<sup>-4</sup> Torr. ultimate vacuum.
- 8D 3035 EDWARDS model E2M12 two stage sliding vane rotary vacuum pump, 14.3cu.m/hour, 7.5 x 10<sup>-4</sup> Torr. ultimate vacuum.

### **PERISTALTIC PUMPS**

- 8E 3157 ISOMATIC peristaltic pump.

- 8E 3033 WATSON-MARLOW type 701
- 8E 2727 WATSON MARLOW type MG0626.
- 8E 2275 WATSON MARLOW peristaltic pump type 601U 100. 0-100v DC supply variable speed. Plastic cover guard damaged.
- 8E 1686 WATSON MARLOW peristaltic pump type 701P/R compressed air driven. Speed control.
- 8E 613 WATSON MARLOW peristaltic pump type 602U 165, 200 v - 250 v 50 / 60 Hz,

#### **AIR OPERATED & OTHER PUMPS**

##### **LABORATORY EQUIPMENT**

- 9 4040 CITO Uguator E/S, type 04E 100.
- 9 3965 Carbolite Oven.
- 9 3942 Gallenkamp Oven.
- 9 2724 SARTORIUS moisture analyser.

##### **UTILITIES**

- 10 4123 Sartorius 50 litre CIP system
- 10 4080 Quadro Vac model 820 pneumatic transfer system
- 10 3943 PCS mobile Vacuum Transfer unit.
- 10 3830 KTRON KVT35 feeder, twin screw feeder, inc vacuum system, Eexd FLP rated.
- 10 2964 TAWI Electrically operated (battery) work platform, 100kg max working capacity

##### **MISCELLANEOUS ITEMS**