



LINE-TEXT
INTERNATIONAL

PRODUCT AND SERVICE LISTING FORM

PRODUCTS FOR PULP & PAPER MANUFACTURERS

PRODUCTOS PARA FABRICANTES DE CELULOSA Y PAPEL

EQUIPMENT & SUPPLIES / EQUIPOS Y SUMINISTROS

- 100 Absorption Towers
/ Torres de absorción
110 Accumulators / Acumuladores

Actuators / Actuadores

- 120 Air
130 Calendar Heating
140 Heat/IR
150 Slice Lip
160 Steam
170 Water

Aerators / Aireadores

Agitators / Agitadores

- 190 AirLift
200 Air/Steam Powered
210 Bottom Entering
220 Dilution Nozzles
230 In Line
240 Jet
250 Portable
260 Propeller
270 Side Entering
280 Sonic/Ultrasonic
290 Top Entering
300 Turbine

Ash Handling Systems

/ Sistemas de manejo de ceniza

- 310 Hydraulic
320 Mechanical
330 Pneumatic

Bag Machinery

Bale Opening Systems

/ Sistemas abertura de fardos

Balers / Enfardadoras

Bearing Isolators

/ Aislantes de cojinetes

Bearings / Cojinetes

- 380 Anti-Friction
390 Babbitted
400 Ball
410 Brass
420 Bronze
430 Collar Oiling
440 Graphite
450 Hanger
460 Iron, Self-lubricating
470 Needle
480 Nylon
490 Oilless
500 PillowBlock
510 Plastic
520 PowderedMetal
530 Quill
540 Ring-Oiling
550 Roller
560 Sleeve
570 Sliding
580 Spherical
590 Split-Roller
600 Steel
610 Thrust

Beltting / Correas

- 620 Balata
630 Composition
640 Conveyor
650 Corrugator
660 Chainor Link
670 Leather

- 680 Neoprene
690 PVC
700 Rubber
710 Stainless Steel
720 Transmission
730 Wire
740 Woven

Bins / Canecas, silos

Black Liquor Oxidation Systems / Sistemas de oxidación de licor negro

Blowers / Ventiladores

- 750
760
770 Air
780 AxialFlow
790 Centrifugal
800 Fan
810 Gas
820 Pressure
830 Rotary
840 Screw
850 Soot
860 Turbine

Boiler Accessories / Accesorios de caldera

- 870 Arches
880 Baffles
890 Breeching
900 Flame
910 Monitors
920 Setting
930 Trimming
940 Tubes
950 Walls

Boiler Blowdown Systems

/ Sistemas de purga de calderas

Boiler Feedwater Systems

/ Sistemas de alimentación de agua para calderas

Boilers / Calderas

- 960
970
980 Bark
990 Electric
1000 Fire Tube
1010 Package
1020 Power
1030 Recovery
1040 Rotary
1050 Steam
1060 Waste Heat
1070 Water Tube

Brakes / Frenos

- 1080 Air
1090 Eddy Current
1100 Electric
1110 Friction
1120 Governor-Controlled
1130 Hydraulic
1140 Magnetic

Breaker Stacks

/ Pilas desintegradoras

Break Handling Systems

/ Sistemas de manejo de desechos

Buildings / Edificios

- 1170 Prefabricated

Burners / Incineradores

- 1180 Coal
1190 Combination
1200 Gas
1210 Kiln
1220 Oil

- 1230 Pulverized Coal
1240 Refuse
1250 Sulfur
1260 Wood Waste

Bushings / Bujes

- 1270 Aluminium
1280 Babbitt
1290 Brass
1300 Bronze
1310 Castelron
1320 Fiber
1330 Graphite
1340 Iron
1350 Nylon
1360 Oilless
1370 Plastic
1380 Stainless Steel

Calciners

/ Horna de calcinación

Calendar (NIP) Cooling Systems / Sistemas de enfriamiento de calandras (NIP)

Calendars / Calandras

- 1410 Embossing
1420 Friction
1430 Machine

Can (Paper) Machines

/ Máquinas papeleras

Causticizing Equipment & Systems / Sistemas y equipos de caustificación

Centrifugal Cleaners & Cones / Limpiadores y conos centrifugos

Chains / Cadenas

- 1470 BarkingDrum
1480 Conveyor
1490 Drag
1500 General Purpose
1510 Haul-Up
1520 Kiln
1530 Logging
1540 Power Transmission
1550 Roller

Chemical Pulping Recovering

Systems / Sistemas de recuperación de pulpa química

Chip Handling Equipment

/ Equipo de manejo de astillas

- 1570 Barges
1580 Breakers
1590 Distributors
1600 Feeders
1610 Loaders
1620 Mechanical Conveyors
1630 Packers
1640 Pneumatic Conveyors
1650 Screen
1660 Silos
1670 Stackers
1680 Unloaders
1690 Washers

Chip Screens / Clasificador de astillas

- 1700 Disc
1710 Flat
1720 Gyratory
1730 Roll
1740 Rotary

- 1750 Thickness
1760 Vibratory

Chippers / Astilladoras

- 1770 Disc
1780 Drum
1790 Mobile
1800 Portable
1810 Slicer
1820 Wastewood

Chlorine Dioxide Generation

Systems / Sistemas de generación de dióxido de cloro

Clarifiers / Clarificadores

- 1840 Centrifugal
1850 Filtration
1860 Floatation
1870 Rake
1880 Sludge Blanket

Cleaners, Mechanical / Limpiadores mecánicos

- 1890 Felt
1900 Fiber
1910 Screen
1920 Stock
1930 Tank

Coating Machines / Máquinas recubridoras

- 1940 AirKnife
1950 Blade
1960 Brush
1970 Curtain
1980 Extrusion
1990 HotMelt
2000 Lacquer
2010 Metering Bar
2020 Roll
2030 SOTA
2040 Waxers
2050 Wire

Coating Metering Rods

/ Varillas de medición de recubrimientos

Coatings, Blades

/ Recubrimientos, cuchillas

Collectors / Recolectores

- 2080 Ash
2090 Dust
2100 Sludge
2110 Vapor/Fume

Compressors / Compresores

- 2120 Air
2130 Axial
2140 Centrifugal
2150 Diaphragm
2160 Reciprocating
2170 Rotary
2180 Screw
2190 SlidingVane
2200 Stationary
2210 Turbine

Computer Software

/ Software de computador

- 2220 Controlling
2230 Maintenance
2240 Simulation
2250 Training

Concentrators / Concentradores

2270	Condensate Return Systems / Sistemas de retorno de condensado	2990	Hydraulic	3690	Metal	4340	Rotary
2280	Condensors / Condensadores	3000	Magnetic	3700	Smoke	4350	Spray
2290	Control Panels, Cabinets & Consoles / Paneles de control, cabinas y consolas	3010	Mechanical			4360	Steam
2300	Controllers, Programmable / Controladores programables	3020	Overrunning	Detectors, Paper Defect / Detectores de defectos del papel		4370	Tray
		3030	Repair & Rebuilding	3710	Bliser	4380	Tunnel
		3040	Rigid	3720	Hole	4390	Ultraviolet
		3050	Safety	3730	Linting	4400	Vacuum
		3060	Shaft	3740	Lump	4410	Yankee
		3070	Slip	3750	Spot	4420	Economizers (Waste Heat) / Economizadores (calorresidual)
				3760	Splice		
				3770	Web Break		
				3780	Coating		
Controls (Function) / Controles (función)		Cranes / Grúas		Digestors / Digestores		Eductors/Injectors / Eductores/inyectores	
2310	Basis Weight	3080	Bucket	3790	Batch	4430	Air
2320	Bleach Chemical	3090	Crawler	3800	Continuous	4440	Liquid
2330	Boiler Feedwater	3100	Electric	3810	Experimental	4450	Steam
2340	Brightness	3110	Floor				
2350	Flow	3120	Gantry & Jib				
2360	Freeeness	3130	Guy				
2370	Gloss	3140	Hand Operated				
2380	pH	3150	Locomotive				
2390	Sheet Caliper	3160	Overhead				
2400	Sheet Length	3170	Power				
2410	Sheet Moisture	3180	Self Propelled				
2420	Smoothness	3190	Stacker				
2430	Speed	3200	Truck	Dispersion Equipment / Equipo de dispersión			
2440	Viscosity	3210	Wagon	3850	Asphalt		
2450	WebGuide/Tension						
Controls (Type) / Controles (tipo)		Cutters / Cortadoras		Doctor Assemblies / Juegos de cuchillas			
2460	Digital	3220	Card	3860	Wax		
2470	Electric	3230	Core & Tube	3870	Calendar		
2480	Electronic	3240	Corner	3880	Creping		
2490	Hydraulic	3250	Flap	3890	Dryer		
2500	Infrared	3260	Log	3900	Oscillating		
2510	Laser	3270	Paper	3910	Stationary		
2520	Microwave	3280	Paperboard				
2530	Nuclear	3290	Pulp	3920	Doctor Blade Holders / Sostenedores de cuchillas dosificadoras		
2540	Optical	3300	Rag				
2550	PhotoElectric	3310	Rotary				
2560	Pneumatic	3320	Tail				
2570	Radiation	3330	Trim & Scrap				
				Drives (Electric) / Transmisiones (eléctricas)			
Conveyors / Bandas transportadoras		Cylinder Facing Wires / Telas de contacto con cilindros		3930	AC		
2580	Apron			3940	DC		
2590	Belt	3340	Brass	3950	Variable AC		
2600	Bucket	3350	Bronze	3960	Magnetic		
2610	Cable	3360	Metallic				
2620	Chain	3370	Nickel-Copper Alloy	Drives (Mechanical) / Transmisiones (mecánicas)			
2630	Drag	3380	Phosphor Bronze	3970	Adjustable Speed		
2640	Flight	3390	Stainless Steel	3980	Belt		
2650	Floor	3400	Synthetic	3990	Chain		
2660	Gravity			4000	Differential		
2670	Hydraulic	Cylinders / Cilindros		4010	Fluid		
2680	Mechanical	3410	Brass	4020	Gear		
2690	Pneumatic	3420	Bronze	4030	Hydraulic		
2700	Screw	3430	Cast Iron	4040	Hypoid		
2710	Slider	3440	Copper	4050	Line Shaft		
2720	Stacker	3450	Copper-Nickel	4060	Mechanical		
2730	Vacuum	3460	Hydraulic	4070	Rope		
2740	Vertical	3470	Iron	4080	Short Center		
2750	Vibratory	3480	Pneumatic	4090	Solid State		
		3490	Stainless Steel	4100	Spiral Bevel		
		3500	Steel	4110	Static		
				4120	Turbine		
				4130	V-Belt		
Coolers / Enfriadores		3510	Deaerators / Desaireadores				
2760	Acid			4140	Dryer Drainage Systems / Sistemas de drenaje de la secadora		
2770	Air			4150	Dryer Drums & Accessories / Tambores de secado y accesorios		
2780	Fluid Bed			4160	Dryer Pocket Ventilation / Ventilación de la secadora		
2790	Rotary						
2800	Spray						
2810	Water						
Core Plugs / Conos para núcleos		Debarkers / Descortezador					
2820	Metal	3520	Chip				
2830	Molded	3530	Drum				
2840	Plastic	3540	Hydraulic				
2850	Presswood	3550	Knife				
2860	Wood	3560	Mechanical				
		3570	Portable				
		3580	Ring				
		3590	Deckels / Marcos para elaboración de papel artesanal				
		3600	Deflakers / Despastillador				
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5020	Rotary Seal			5025	Guides / Guías	7000	Comparators
5030	Screw			6330	Air	7010	Conductivity
5040	Table			6340	Bar	7020	Corrosion Monitoring
5050	Vibrating			6350	Electro-Mechanical	7030	Density
5060	Volumetric			6360	Floating Ball	7040	Galvanometers
5070	Weigh			6370	Manual	7050	Gas
5080	Feeders, High Pressure			6380	Mechanical	7060	Humidity
5090	Feeders, Low Pressure			6390	Photo-Electric	7070	Hydrogen Sulfite
				6400	Pneumatic-Hydraulic	7080	Ion Concentration
				6410	Rolls	7090	Mass Transfer
				6420	Swinging Rolls	7100	Noise
5100	Felt Conditioners / Acondicionadores de fieltro			6430	Headboxes / Cajas de entrada	7110	Oxygen
				6440	Heat Exchangers	7120	pH
					/ Intercambiadores de calor	7130	Psychrometers
5110	Felt Drying Systems / Sistemas de secado de fieltro			6450	Heat Recovery Systems / Sistemas de recuperación de calor	7140	Refractometers
						7150	Sludge Level
						7160	Smoothness
						7170	Sonic
						7180	Spectrometers
						7190	Stroboscopes
						7200	Sulphur
						7210	Thermal Conductivity
						7220	TRS
						7230	Turbidity
						7240	Vibration Analyzers
						7250	Viscosity
							Instruments - Controllers & Regulators / Instrumentos, controladores y reguladores
						7260	Colorimeters
						7270	Conductivity
						7280	Consistency
						7290	Draft
						7300	Flow
						7310	Freeness
						7320	Humidity
						7330	Liquid-Level
						7340	Moisture
						7350	Opacity
						7360	Positioning
						7370	Pressure
						7380	Rate
						7390	Speed
						7400	Temperature
						7410	Time
						7420	Vacuum
						7430	Volume
						7440	Zeta Potential
							Instruments - Flowmeters / Instrumentos - flujómetros
						7450	Differential Pressure
						7460	Float Operated
						7470	Flow Tubes/Nozzles
						7480	Gear
						7490	Magnetic
						7500	Mass
						7510	Orifice Plates
						7520	Parshall Flumes
						7530	Positive Displacement
						7540	Propeller
						7550	Rotameter
						7560	Sonic
						7570	Thermal
						7580	Turbine
						7590	Ultrasonic
						7600	Venturi Tubes
							Instruments - Indicators & Gauges / Instrumentos - Indicadores y medidores
						7610	Basis Weight
						7620	Brightness
						7630	Coat Weight
						7640	Conductivity
						7650	Consistency
						7660	Density
						7670	Dew Point
						7680	Dials
						7690	Draw/Speed
						7700	Dynamometers
						7710	Flow
						7720	Gauge Glasses
						7730	Humidity
						7740	Liquid-Level
						7750	Load Cells
						7760	Moisture
						7770	Opacity
						7780	Pressure
						7790	Speed
						7800	Temperature
							Instruments - Analyzers / Instrumentos - analizadores
						6950	Alkali
						6960	Ash
						6970	Carbon Monoxide
						6980	Colorimeters
						6990	Combustion Analyzers

7810	Thickness	8440	Alkali Proof	Oscillators / Osciladores	9850	Preheaters / Precalentadores	
7820	Torque	8450	Aluminium	9140	Doctor	Presses / Presas	
7830	Vacuum	8460	Brick	9150	Fourdrinier	9860	Baling
7840	Vacuum Compound	8470	Cement	9160	Shower	9870	Bark
7850	Vibration Analyzers	8480	Corrosion Resistant			9880	Belt Filter
7860	Zeta Potential	8490	Iron	9170	Ozonation Equipment / Equipo de ozonación	9890	Cone
		8500	Lagoon			9900	Disc
Instruments - Level Sensors / Instrumentos - sensores de nivel		8510	Latex	Packaging Equipment / Equipo de empackado		9910	Drum
7870	Electric	8520	PVC	9180	Case Openers	9920	Filter
7880	Float	8530	Plastic	9190	Case Packing	9930	Hydraulic
7890	Mechanical	8540	Pond	9200	Shrink Wrap	9940	Platen
7900	Nuclear	8550	Resin	9210	Stretch Wrap	9950	Pneumatic
7910	Photoelectric	8560	Rubber			9960	Pulp Dewatering
7920	Pressure	8570	Silix	Packing Mechanical / Empaque, mecánico		9970	Roll
7930	Sight Flow	8580	Stainless Steel	9220	Asbestos	9980	Screw
7940	Ultrasonic	8590	Thermo Plastic	9230	Carbon	9990	Size
		8600	Tile	9240	Composite	10000	Suction
Instruments - Pressure Sensors / Instrumentos - sensores de presión		8610	Lubricants, Oils & Greases / Lubricantes, aceites y grasa	9250	Cotton		
7950	Barometers			9260	Fabric	10010	Protective Coatings / Recubrimientos protectores
7960	Gauges	Lubricators & Fittings / Lubricadores y accesorios		9270	Graphite		
7970	Manometers	8620	Automatic Systems	9280	Metallic		
		8630	Centralized Systems	9290	Non-Asbestos	Pulleys & Sheaves / Poleas y gavillas	
Instruments - Temperature Sensors / Instrumentos - sensores de temperatura		8640	Cups	9300	Plastic	10020	Belt
7980	Infrared	8650	Fog Type	9310	Rubber	10030	Cone
		8660	Oil Guages	9320	Semi-Metallic	10040	Conveyor
7990	Pyrometers	8670	Oilers	9330	Teflon	10050	Flanged
8000	Resistance Thermometers	8680	Pressurized Systems	9340	Packings, Tower / Empaques para torres	10060	Friction Clutch
8010	Termistors	Market Pulp / Celulosa de mercado				10070	Magnetic
8020	Thermocouples	8690	Eucalyptus	Paper Machines - Complete / Máquinas papeleras completas		10080	Nylon
		8700	Hardwood, Short-Fiber	9350	Cylinder	10090	Rubber
		8710	Softwood, Long-Fiber	9360	Fourdrinier	10100	Split
		8720	Metering & Proportioning Systems / Sistemas de dosificación y proporción	9370	Tissue	10110	Variable Speed
Insulation Materials / Materiales de aislamiento				9380	Twin-Wire		
8030	Asbestos-Free Fiber			9390	Multi-Ply	10120	Pulpers Accessories / Accesorios para pulpeadoras
8040	Cellular Glass						
8050	Ceramic	Mixers / Mezcladores		pH Equipment / Equipo de pH		Pulpwood Handling Equipment / Equipo de manejo de madera para pasta	
8060	Glass Fiber	8730	Batch	9400	Meters	10130	Delimbers
8070	Pipe	8740	Chemical	9410	Paper Indicators	10140	Forklifts
8080	Polyurethane	8750	Chlorine	9420	Probes	10150	Frontend Loaders
8090	Silicate	8760	Conical	9430	Recorders	10160	Grapples
8100	Teflon	8770	Continuous			10170	Hooks
Joints / Juntas		8780	Dispersion	Pipe / Tubo		10180	Loaders
8110	Ball	8790	Dissolvers	9440	Abrasion Resistant	10190	Log Decks
8120	Expansion	8800	Emulsifiers	9450	Aluminium	10200	Skidders
8130	Gimbal	8810	High Shear	9460	Asbestos-Cement	10210	Slasher-Loaders
8140	Revolving	8820	High Viscosity	9470	Bituminous Fiber	10220	Sorter
8150	Rotary Pressure	8830	Homogenizer	9480	Brass	10230	Stackers
8160	Steam	8840	Motionless/Static	9490	Cast Iron	10240	Tools
8170	Swivel	8850	Paddle	9500	Ceramic Lined	10250	Tree Harvestors
8180	Universal	8860	Pipe Line	9510	Copper	10260	Yarders
		8870	Portable	9520	Ductile Iron		
8190	Jordans / Jordans	8880	Propeller	9530	Fiberglass Reinforced	Pumps / Bombas	
8200	Junk Removers / Removedores de desperdicios	8890	Ribbon			10270	Axial Flow
		8900	Side Entering	9540	Flexible	10280	Centrifugal
		8910	Sigma	9550	Glass	10290	Chemical
8210	Kilns / Secaderos	8920	Static	9560	Glass Lined	10300	Chopper
Knives / Cuchillas		8930	Steam	9570	Iron Alloy	10310	Corrosion Resistant
8220	Barker	8940	Swirl	9580	Lead Lined	10320	Diaphragm
8230	Chipper	8950	Top Entering	9590	Nickel-Copper Alloy	10330	Fan
8240	Cut-Off	8960	Turbine	9600	Penton Clad	10340	Freedwater
8250	General Purpose	8970	Vertical	9610	Plastic	10350	Gas
8260	Paper Cutting			9620	Plastic-Lined	10360	Gear
8270	Perforating	8980	Motor Controls / Controles de motor	9630	PVC	10370	High Density Stock
8280	Rag			9640	Rubber-Lined	10380	High Pressure
8290	Rotary Sheer	Motors, Electric / Motores eléctricos		9650	Sheet Metal	10390	Hydraulic
8300	Shredder	8990	AC	9660	Teflon	10400	Liquid Jet
8310	Slitter	9000	DC	9670	Tin-Lined	10410	Magnetic Drive
8320	Trimmer	9010	Gear	9680	Titanium	10420	Metering
		9020	Induction	9690	Vitrified Clay	10430	Multi-Stage
Knotters / Separanudos		9030	Synchronous	9700	Wood	10440	Plunger
8330	Centrifugal	9040	Variable Speed	Pipe Fittings / Accesorios para tubos		10450	Positive Displacement
8340	Flat			9710	Abrasion Resistant	10460	Propeller
8350	Pressure	Nozzles / Inyectores, boquillas, duchas		9720	Adaptors	10470	Proportioning
8360	Rotary	9050	Aerating	9730	Bends	10480	Reciprocating
8370	Vibrating	9060	Burning	9740	Elbows	10490	Repair & Rebuilding
		9070	Fog Type	9750	Expansion Joints	10500	Rotary
Labeling Machines / Máquinas de etiquetado		9080	High Pressure	9760	Flanges	10510	Screw
8380	Autostencil	9090	Lubricating	9770	Flanges	10520	Sludge
8390	Inkjet	9100	Misting	9780	Hangers	10530	Submersible
		9110	Quench	9790	Headers	10540	Suction
8400	Layboys / Recogehojas	9120	Spray	9800	Insulation	10550	Sump
8410	Lift Trucks / Montacargas			9810	Joints	10560	Turbine
		9130	Odor Control Equipment / Equipo de control de olores	9820	Reducers	10570	Vacuum
Linings / Recubrimientos				9830	Swivel Joints	10580	Vertical
8420	Abrasion Resistant			9840	Tees	10590	Well
8430	Acid Proof				Unions		

Purifiers / Purificadores

10600 Air
10610 Liquid
10620 Water

Reels / Bobinas

10630 Air Operated
10640 Automatic
10650 Center Wind
10660 Collapsing
10670 Drum
10680 Horizontal Track
10690 Level Rail
10700 Revolving
10710 Turn-Up
10720 Upright

Refiners, Disc / Refinadores de disco

10730 Conical
10740 Deflakers
10750 Double Disc
10760 Pressurized
10770 Single Disk

10780 Refiners, Plug Type / Refinadores tipo enchufe**10790 Refractories / Refractorios****Rewinders / Rebobinadoras**

10800 Automatic
10810 Center Wind
10820 Constant Tension
10830 Drum
10840 Duplex
10850 Shaft
10860 Shaftless

Roll Covers / Cubiertas de rodillos

10870 Epoxy
10880 Fiberglass
10890 Plastic Sleeves
10900 Rubber
10910 Synthetic Fabrics
10920 Teflon
10930 Welded Overlay
10940 Ceramic Spray
10950 Composite
10960 Polyurethane

Rolls / Rodillos

10970 Aluminium
10980 Bowed
10990 Brass
11000 Bronze
11010 Cast Iron
11020 Ceramic Coated
11030 Chilled Iron
11040 Chrome Plated
11050 Copper Plated
11060 Cotton Filled
11070 Engraved
11080 Felt Filled
11090 Fiber Filled
11100 Fiberglass Covered
11110 Granite
11120 Iron
11130 Iron Alloy
11140 Paper Filled
11150 Plastic Covered
11160 Polyurethane
11170 Rubber
11180 Stainless Steel
11190 Steel
11200 Wood
11210 Wood Filled
11220 Wormed

Savealls / Recogepastas, recuperadores de fibra

11230 Belt
11240 Disc
11250 Drum
11260 Flotation
11270 Gravity
11280 Vacuum
11290 Valveless

Saws / Serruchos

11300 Band
11310 Circular
11320 Chain
11330 Core
11340 Cut-Off
11350 Gang
11360 Hack
11370 Hand
11380 Portable
11390 Power Table
11400 Slasher
11410 Tissue & Towel Log
11420 Trim

**11430 Scales / Balanzas
11440 Screen Plates / Platos de tamiz****Screens / Tamices**

11450 Bar
11460 Bull
11470 Centrifugal
11480 Centripetal
11490 Chip
11500 Diaphragm
11510 Disc
11520 Flat
11530 Gyrotory
11540 Perforated Plate
11550 Pressure
11560 Rotary
11570 Shaker
11580 Side Hill
11590 Slotted
11600 Tailing
11610 Traveling
11620 Vibratory
11630 Water
11640 Wedge
11650 Well
11660 Wire Cloth

11670 Scrubbers, Gas / Limpiadores de gases**Seals, Mechanical / Sellos mecánicos**

11680 Diaphragm
11690 Hydraulic
11700 Oil
11710 Pump
11720 Shaft

Separators (Entrainment)**/ Separadores de arrastre**

11730 Cyclone
11740 Impingement
11750 Magnetic
11760 Membrane
11770 Oil/Water
11780 Steam, Air Gas
11790 Venturi

Sheeters / Hojeadores

11800 Cut-Size
11810 Duplex
11820 Folio Size
11830 Rotary
11840 Simplex

Showers / Duchas

11850 High Pressure
11860 Knock-Off
11870 Oscillating
11880 Reciprocating
11890 Steam

Shredders / Desmenuzadoras en seco

11900 Bark
11910 Chip
11920 Paper
11930 Pulp
11940 Rag

11950 Silos / Silos, ensiladoras**11960 Slakers / Apagadores****Slitter-Rewinders / Rebobinadoras refiladoras**

11970 Drum
11980 Duplex

**11990 Sludge Handling Equipment / Equipo de manejo de lodos
12000 Solvent Recovery Systems / Sistemas de recuperación de solventes****Speed Reducers / Reductores de velocidad**

12010 Bevel Gear
12020 Epicyclic
12030 Helical
12040 Herringbone
12050 Parallel Shaft
12060 Planetary
12070 Right Angle
12080 Spiral Bevel
12090 Worm

12100 Splicers / Empalmadoras**12110 Sprockets / Engranajes****12120 Stackers / Palletizers****/ Apiladoras/Paletizadores****12130 Stokers****/ Fogoneros, cargadores mecánicos de carbón****12140 Strapping Machines****/ Máquinas amarradoras****Suction Boxes & Covers****/ Cajas y cubiertas de succión**

12150 Bronze
12160 Ceramic
12170 Laminated Plastic
12180 Plastic
12190 Polyethylene
12200 Stainless Steel
12210 Wood

12220 Supercalenders**/ Super calandas****12230 Syphons, Dryer****/ Sifonessecadores****12240 Tanks / Tanques****Tape / Cinta**

12250 Pressure Sensitive
12260 Rulpable
12270 Roll Covering
12280 Sealing
12290 Splicing
12300 Stay

Testing Equipment & Instruments**/ Equipo e instrumentos de prueba**

12310 Abrasion Testers
12320 Alkali
12330 Basis Weight
12340 Brightness Testers
12350 Burst Testers
12360 Calibrators
12370 Chip Fractionator
12380 Consistency
12390 Crush Testers
12400 Densometers
12410 Drainage Testers
12420 Electrostatic
12430 Fiber Fractionator
12440 Folding Endurance
12450 Formation Testers
12460 Freeness Testers
12470 Friction
12480 Glossmeters
12490 Internal Bond Testers
12500 Kappa Number
12510 Micrometer Calipers
12520 Moisture Testers
12530 Nu Number
12540 Opacimeter
12550 Penetration Testers
12560 Permeability Testers
12570 Porosity Tester
12580 Pump Test Kit
12590 Retention
12600 Roll Hardness Testers
12610 Runnability
12620 Samplers
12630 Sheet Molds
12640 Sheet-Splitters
12650 Shive Analyzer
12660 Sizing Testers
12670 Smoothness Testers
12680 Specific Gravity

12690 Specific Surface Area
12700 Stiffness
12710 Tear Testers
12720 Viscosity Testers
12730 Wet Rub Testers

Thickeners / Espesantes

12740 Disc
12750 Gravity
12760 Roll Press
12770 Screw Press
12780 Vacuum
12790 Valveless
12800 Twin-Wire

12810 Trim & Scrap Handling / Manejo de recortes y desperdicios**12820 Trimmers (Guillotine) / Cortadoras (guillotinas)****12830 Tube / Tubos****12840 Tub Fittings / Accesorios para tinas****Turbines / Turbinas**

12850 Gas
12860 Hydraulic
12870 Steam

12880 Unloaders / Descargadores**Unwind Stands / Soportes de desembobinado**

12890 Automatic Web Guide
12900 Automatic w/Splicer
12910 Constant Tension
12920 Multiple Roll
12930 Oscillating
12940 Shaft
12950 Shaftless
12960 Shuttle
12970 Stationary
12980 Turret

**12990 Upenders
13000 Used Machinery (Bought & Sold) / Maquinaria usada (compra y venta)****Valve Actuators / Actuadores para válvulas**

13010 Air
13020 Electric
13030 Electro-mechanical
13040 Electro-pneumatic
13050 Hydraulic
13060 Manual
13070 Pneumatic

Valves / Válvulas

13080 Angle
13090 BackPressure
13100 Ball
13110 Bellows, Sealed
13120 Butterfly
13130 Check
13140 Cone
13150 Control
13160 Diaphragm
13170 Digestor Blowdown
13180 Drain/Flush
13190 Eccentric
13200 Float
13210 Fuel
13220 Gate
13230 Globe
13240 Jacketed
13250 Knife Gate
13260 Lead
13270 Multiport
13280 Needle
13290 Pinch
13300 Plastic
13310 Plastic Lined
13320 Plug/Cock
13330 Plug/Lubricated
13340 Plug/Non-lubricated
13350 Regulating/Pressure Reducing

13360	Regulating /Temperature	13900	Defoamers & Antifoams /Antiespumantes	14370	Resins, Synthetic /Resinas sintéticas	14870	Lining
13370	Relief & Safety	13910	Deinking Compounds /Compuestos de destintado	14380	Retention Aids /Ayudas de retención	14880	Management
13380	Rotary	13920	Detergents /Detergentes	14390	Rosin /Colofonia	14890	Microbiological Control
13390	Sampling	13930	Dewatering Aids /Ayudas de desgate	14400	Rosin Size /Resina de colofonia, cola de resina, resinato	14900	Papermaking
13400	Saunders	13940	Dextrin /Dextrina	14410	Rust Prevention /Prevención de la oxidación	14910	Power Contracts
13410	Solenoid	13950	Dispersing Agents /Agentes de dispersión	14420	Rust Removers /Removedores de oxidación	14920	Pulping
13420	V-Port	13960	Drainage Aids /Agentes de drenaje	14430	Salt Cake /Sulfato sódico sin purificar	14930	Recycling
13430	Y-Port	13970	Dry Strength Agents /Agentes de resistencia en seco	14440	Scale Removers & Inhibitors /Removedores e inhibidores de escama, de calamina	14940	Tankage
13440	Vaporizers /Vaporizadores	13980	Dyestuffs, Synthetic /Colorantes, sintéticos	14450	Sequestering Agents /Agentes secuestrantes	14950	Valve
13450	Vessels, Pressure /Recipientes de presión	13990	Emulsifiers /Emulsificadores	14460	Silica /Silica	Designers /Diseñadores	
Washers /Lavadoras		14000	Enzymes /Enzimas	14470	Silicone /Silicona	14960	Computer Software Systems
13460	Countercurrent	14010	Felt Cleaning & Conditioning Compounds /Compuestos de acondicionamiento y limpieza de fieltros	14480	Sizes /Aprestos	14970	Custom Machinery
13470	Cylinder	14020	Flame Retardants /Retardantes de flama	14490	Sodium Compounds /Compuestos de sodio	14980	Mill & Plant
13480	Diffusion	14030	Flocculants-Coagulants /Floculantes, coagulantes	14500	Softeners - Water /Suavizantes de agua	14990	Piping Systems
13490	Gravity	14040	Formation Aids /Ayudas de formación	14510	Softening Agents /Agentes suavizantes	15000	Process Control Systems
13500	Multistage	14050	Fungicides /Fungicidas	14520	Solvents /Solventes	15010	Ventilation Systems
13510	Pressure	14060	Greaseproofing Agents /Agentes de impermeabilización a la grasa	14530	Soya Protein /Proteína de soja	Engineers /Ingenieros	
13520	Side Hill	14070	Gums /Gomas	14540	Starches /Almidones	15020	Acoustical
13530	Vacuum	14080	Hydrogen Peroxide /Peroxido de hidrógeno	14550	Starches, Modified /Almidones modificados	15030	Air Pollution
13540	Washers, Drum	14090	Laminating Agents /Agentes de laminación	14560	Stearates /Estereatos	15040	Air Systems
13550	Washers, Displacement	14100	Latex (Adhesive & Coatings) /Látex (adhesivos y recubrimientos)	14570	Sulfur /Sulfuro	15050	Chemical
13560	Winders /Bobinadoras	14110	Latex Extenders /Extendedores de látex	14580	Sulfur Dioxide /Dióxido de sulfuro	15060	Civil
13570	Wire /Telas	14120	Leveling Agents /Agentes de nivelado	14590	Surfactants /Surfactantes	15070	Construction
13580	Wrapping Machines /Máquinas envolveras	14130	Lime /Cal	14600	Talc /Talco	15080	Consulting
CHEMICALS /QUIMICOS		14140	Magnesium Compounds /Compuestos de magnesio	14610	Tall Oil Products /Productos de tall oil	15090	Converting
13590	Acids /Ácidos	14150	Microbiocides /Microbiocidas	14620	Thickeners /Espesantes	15100	Drying
13600	Alcohols /Alcoholes	14160	Nitrogen /Nitrógeno	14630	Titanium Dioxide /Dióxido de titanio	15110	Electrical
13610	Alcicides /Alquicidas	14170	Oxygen /Oxígeno	14640	Urea /Urea	15120	Energy Management
13620	Alkalies /Álcalis	14180	Penetrants /Penetrantes	14650	Viscosity Control Agents /Agentes de control de la viscosidad	15130	Environmental
13630	Alkylketene Dimer /Dimero alquilcetona	14190	Phenols /Fenoles	14660	Water Treating Chemicals /Químicos para el tratamiento del agua	15140	Heating
13640	Alum /Alumbre	14200	Phosphates /Fosfatos	14670	Wax /Cera	15150	Industrial
13650	Alumina /Alúmina	14210	Pigments - Inorganic /Pigmentos inorgánicos	14680	Was Emulsions /Emulsiones de cera	15160	Maintenance
13660	Aluminium Compounds /Compuestos de aluminio	14220	Pigments - Natural Earth /Pigmentos de tierra natural	14690	Wet Strength Agents /Agentes de resistencia en húmedo	15170	Management
13670	Amines /Aminas	14230	Pigments - Synthetic Organic /Pigmentos sintéticos orgánicos	14700	Weeting & Rewetting Agents /Agentes de humectación y rehúmedación	15180	Materials Handling
13680	Ammonia /Amoniaco	14240	Pitch /Pitch	14710	Wire Life Extenders /Prolongadores de la vida útil de las mallas	15190	Noise or Acoustical
13690	Ammonium Compounds /Compuestos de amonia	14250	Pitch Control Agents /Agentes de control de pitch	14720	Zinc /Zinc	15200	Paper Mill
13700	Anthraquinone /Antraquinona	14260	Plasticizers /Plastificantes	TECHNICAL & CONSULTING SERVICES /SERVICIOS TECNICOS Y DE CONSULTORIA		15210	Power Plant
13710	Anti-Skid Agents /Agentes de antideslizamiento	14270	Polyacrylamides /Poliacrilamidas	14730	Alignment Services (Optical & Mechanical) /Servicios de alineación (óptico y mecánico)	15220	Process Control Systems
13720	Anti-Static Agents /Agentes antiestática	14280	Polyaluminum Chlorides /Cloruros de polialuminio	14740	Architects /Arquitectos	15230	Pulping
13730	Bactericides /Bactericidas	14290	Polyelectrolytes /Poliectrolitos	14750	Construction /Construcción	15240	Ventilation Systems
13740	Barium Compounds /Compuestos de bario	14300	Polyethylene Glycols /Glicoles de polietileno	14760	Automation	15250	Waste Treatment
13750	Brightness /Brillo	14310	Polymers /Polímeros	14770	Bleaching	15260	Water Pollution Control
13760	Bromine /Bromuro	14320	Polyvinyl Alcohol /Alcohol polivinilo	14780	Coating	Equipment Installation & Erection /Erección e instalación de equipo	
13770	Calcium Compounds, Carbonate /Compuestos de calcio, carbonato	14330	Potassium Compounds /Compuestos de potasio	14790	Converting	Fabricators /Fabricantes	
13780	Calcium Compounds, Hydroxide /Compuestos de calcio, hidróxido	14340	Propylene Glycol /Glicol propileno	14800	Corrosion Control	15280	Casting/Foundries
13790	Calcium Compounds, Oxide /Compuestos de calcio, óxido	14350	Release Agents /Agentes antiadhesivos, separadores	14810	Deinking	15290	Custom Machinery
13800	Carbon /Carbón	14360	Resins, Ion Exchange /Resinas de intercambio de iones	14820	Electrical	15300	Fiber Reinforced Plastic
13810	Casein /Caseína			14830	Environmental	15310	Plate
13820	Catalysts /Catalizadores			14840	Finishing/Shipping	15320	Piping Systems
13830	Caustic Soda /Soda cáustica			14850	General	15330	Sheet Metal
13840	Chelating Agents /Agentes de quelado			14860	Geotechnical	15340	Thermoplastic
13850	Chlorine /Cloro					15350	Towers, Tanks, Vessels
13860	Chlorine Dioxide /Dióxido de cloro					15360	Welded Assemblies
13870	Clay, Filler & Coating /Arcilla para relleno y recubrimiento					15370	Inspection Services /Servicios de inspección
13880	Coatings Compound /Recubrimientos, compuestos					15380	ISO 9000 Certification /Certificación ISO 9000
13890	Corrosion Control Agents /Agentes de control de corrosión					15390	Knife Grinding Service /Servicio de pulimiento de cuchillas
						15400	Maintenance Services /Servicios de mantenimiento
						15410	Market Research /Investigación de mercado
						15420	Rebuilding /Reconstrucción
						15430	Roll Surfacing Service /Servicio de reacondicionamiento de rodillos
						15440	Site Inspection /Inspecciones en la planta
						15450	Training Services /Servicios de entrenamiento
						15460	Transportation Services /Servicios de transporte
						15470	Vibration Analyses /Análisis de vibración