

Boilers for Cogeneration Systems and Industrial Processes

Costumer, Project	Cap. t/h	Pressure bar	Temp. °C	Type	Year
Arauco (Chile) - Foster Wheeler	71	63	450	BFB - WD	2001
Fafen I - Rolls Royce	40	42	400	PC - NG	2001
Fafen II - Foster Wheeler	74	50	502	HRSG	2001
Fafen III - Foster Wheeler	74	50	502	HRSG	2001
Copebrás - Krebs	72	44	SAT	PC	2001
Corn Products I - Energyworks	75	65	480	HRSG	2001
Corn Products II - Energyworks	75	65	480	HRSG	2001
Corn Products III - Energyworks	60	23	SAT	PC - NG	2001
Corn Products IV - Energyworks	30	24	SAT	HRSG	2001
VCP Jacareí - Foster Wheeler	75	89	480	PC - FO	2001
Alunorte - Foster Wheeler	250	87	484	PC - NG	2001
Ambev Jaguariúna	17	10	SAT	PC - NG	2002
Ambev João Pessoa	12	10	SAT	PC - NG	2002
Ambev Camaçari	12	10	SAT	PC - NG	2002
Ambev Jacareí I	40	10	SAT	PC - NG	2002
Ambev Jacareí II	40	10	SAT	HRSG	2002
CGTF Fortaleza I - Kawasaki	177	83	520	HRSG	2002
CGTF Fortaleza II - Kawasaki	177	83	520	HRSG	2002
Fafen IV - Foster Wheeler	74	50	502	PC - NG/FO	2002
Celupa	25	25	350	PG - WD	2002
Lages Bioenergética	120	64	485	BFB - WD	2002
Arauco (Chile) - Foster Wheeler	170	84	490	BFB - WD	2003
Itata (Chile) - Kvaerner	250	85	485	BFB - WD	2003
Veracel - Kvaerner	90	97	490	CRB	2003
VCP Luiz Antonio - Andritz	235	65	450	CFB - Coal	2004
Alunorte I - Alstom Power	240	87	485	CFB - Coal	2004
Alunorte II - Alstom Power	240	87	485	CRB - retrofit	2004
Weyerhaeuser (USA) - Andritz	171	61	441	BFB - WD	2004
CMPC (Chile) - Kvaerner	150	62	450	PC - NG	2005
Cinal - Compacta DIB-D	85	45	415	PC - NG/FO	2005
CBA - Dedini DIB-D	93	17	SAT	PC	2005
Incobrasa (USA) - Dedini	32	12	202	RG - Bark of soybear	2006
Oxiten - Óleoquímica	130	65	450	PC - NG/FO	2006
Argos (Colômbia) - Del Valle	77	46	445	RG - Mineral Coal	2006
Argos (Colômbia) - Rio Claro	77	46	445	RG - Mineral Coal	2006
Argos (Colômbia) - Paz del Rio	66	46	445	RG - Mineral Coal	2006
Rhodia - John zink	16	42	400	HRSG	2006
Usiminas	130	65	485	Low Heat Value Gases	2006
Agrenco I	150	65	490	WD	2006
Agrenco II	100	65	490	WD	2006
Gusa NE	55	43	425	NG/FO	2007
Eletrogoes I	60	46	445	WD	2007
Eletrogoes II	60	46	445	WD	2007
VCP Horizonte - Metso	120	87	487	BFB - WD	2007
Sykué	130	67	485	RG - Elephant Grass	2007
Cabot	90	46	400	Tail Gas	2008
Oxiten	60	67	475	Tail Gas / HRSG	2008

BFB: Bubbling fluidized bed | CFB: Circulating Fluidized Bed | CRB: Chemical Recovery Boiler | PC: Compact Boiler
 HRSG: Heat Recovery Steam Generators | RG: Traveling Grate | NG: Natural Gas | FO: Fuel Oil | WD: Wood Biomass



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Dedini Boiler Series



AT



AT SINGLE DRUM



NEW PRODUCT

AZ-100



AZ-200



DIB
OIL & GAS



Fafen



Cresciumal



Alunorte



Energética São José

Clean and Renewable Energy

AT	250 t/h
Pressure	85 bar
Temperature	530° C
Fuel	Biomass / Coal
Nr of Drum	2

AT Single Drum	400 t/h
Pressure	120 bar
Temperature	540° C
Fuel	Biomass / Coal
Nr of Drum	1

AZ-100	200 t/h
Pressure	120 bar
Temperature	540° C
Fuel	Biomass / Coal
Nr of Drum	1

AZ-200	200 t/h
Pressure	67 bar
Temperature	520° C
Fuel	Biomass / Coal
Nr of Drum	2

Compact Boiler "D" Type	100 t/h
Pressure	65 bar
Temperature	440° C
Fuel	Fuel Oil & Natural Gas
Nr of Drum	2
Vertical	400 t/h
Pressure	120 bar
Temperature	520° C
Fuel	Fuel Oil & Natural Gas
Nr of Drum	2



Lages Bioenergética

- Power Plant - SC
- AZ-200: 120 t/h, 65 bar, 480 °C
- Biomass

28 MW



Alto Alegre - Sto Inácio

- Sto. Inácio - PR
- 2x AZ-200: 175 t/h, 65 bar, 500 °C
- Biomass

70 MW



Sykué

- São Desidério - BA
- AZ-200: 130 t/h, 67 bar, 485 °C
- Biomass

30 MW



Cosan - Barra

- Barra Bonita - SP
- 2x ATSD-320: 320 t/h, 100 bar, 530 °C
- Biomass

136 MW

Recent Supplies

OVER 1600 SUPPLIES

Sugarcane Bagasse Boilers for Cogeneration Systems of Sugar & Ethanol factories.

Costumer, Project	Cap.t/h	Pressure bar	Temp. °C	Year
Usina Cocal	150	62	450	2001
Usina Cerradinho	150	62	450	2001
Alto Alegre - Floresta	150	62	440	2001
Alto Alegre - Junqueira	150	42	400	2001
Usina Jalles Machado	140	42	400	2001
Usina Petribú	150	63	470	2001
Coinbra Cresciumal	200	67	520	2002
Andrade - Energ. São José	150	63	480	2002
Usina Jalles Machado	200	42	400	2002
Cosan Serra	125	42	410	2002
Usina Goiasa	200	66	520	2002
Usina Bela Vista	150	42	400	2003
Usina Busco (Filipinas)	200	31	350	2003
Usina Dracena	120	42	400	2004
Usina Pagrisa	100	42	400	2004
Usina Eldorado	200	42	400	2004
Nova América - Maracaí	200	65	490	2004
Guarani - Olímpia	120	62	470	2004
Vale do Verdão - Bom Jesus	150	42	400	2004
Usina Itapagipe	120	21	300	2005
Usina Bazan	150	42	400	2005
Alto Alegre - Sto. Inácio I	175	65	500	2006
Alto Alegre - Sto. Inácio II	175	65	500	2006
Aralco - Alcoazul	120	21	300	2006
Aralco - Generalco	120	21	300	2006
Cosan - Costa Pinto I	275	66	515	2006
Cosan - Costa Pinto II	275	66	515	2006
Cosan - Rafard	275	66	515	2006

Costumer, Project	Cap.t/h	Pressure bar	Temp. °C	Year
Cosan - Gasa I	200	66	515	2006
Guarani São José	150	64	480	2006
Colorado	200	66	490	2006
Alta Mogiana	175	65	485	2006
Melhoramentos	200	63	480	2006
Nova América - Caarapó	275	65	515	2007
Rio Pardo	200	65	490	2007
Ferrari	225	65	490	2007
Guabirá - Bolívia	200	43	400	2007
Noroeste Paulista I	200	65	485	2007
Noroeste Paulista II	200	65	485	2007
Guarani Tanabi	150	64	480	2007
Monteverde	150	67	490	2007
Brenco Costa Rica I	200	65	490	2007
Brenco Costa Rica II	200	65	490	2007
Brenco Morro Vermelho I	200	65	490	2007
Brenco Morro Vermelho II	200	65	490	2007
Cosan - Jataí I	225	100	530	2007
Cosan - Jataí II	225	100	530	2007
Cosan - Bonfim I	225	100	530	2007
Cosan - Bonfim II	225	100	530	2007
Cosan - Gasa II	200	67	515	2007
Cosan - Barra I	320	100	530	2008
Cosan - Barra II	320	100	530	2008
Cevasa (Cargil)	170	67	490	2008
Meridiano I	200	67	490	2008
Meridiano II	200	67	490	2008
Ibitiuva	135	66	490	2009

84 MW

36 MW

28 MW

25 MW

- Petrochemical - BA
- 1x 40 t/h, 42 bar, 400 °C
- 2x 74 t/h, 50 bar, 502 °C
- HRSG
- Foster Wheeler Design

- Sugar & Ethanol – SP
- AT-200: 200 t/h, 67 bar, 520 °C
- Biomass

- Alumínio – PA
- 250 t/h, 87 bar, 485 °C
- Oil Fuel
- Foster Wheeler Design

- Sugar & Ethanol – SP
- AT-150: 150 t/h, 63 bar, 480 °C
- Biomass