

Low Pressure Pulse Jet Fabric Filters



Reference List

REFERENCES

"Lurgi Technology" LOW PRESSURE PULSE JET FABRIC FILTERS

ENVIROTHERM

No.	Customer	Country	Application	Type	Gas Volume [Nm ³ /h, wet]	Temp. [°C]	Bag Area [m ²]	Pcs.	Comm.
				L=Low Pressure	[Nm ³ /h, wet]	[°C]	[m ²]	[-]	[-]
1	Pretoria Municipal Council, Rooiwal PS Unit 1	RSA	PC boiler fly ash (black coal)	L	1.458.000	180	4.198	1	1987-93
2	Pretoria Municipal Council, Rooiwal PS Unit 2	RSA	PC boiler fly ash (black coal)	L	1.458.000	180	4.198	1	1987-93
3	Pretoria Municipal Council, Rooiwal PS Unit 3	RSA	PC boiler fly ash (black coal)	L	1.458.000	180	4.198	1	1987-93
4	Pretoria Municipal Council, Rooiwal PS Unit 4	RSA	PC boiler fly ash (black coal)	L	1.458.000	180	4.198	1	1987-93
5	Pretoria Municipal Council, Rooiwal PS Unit 5	RSA	PC boiler fly ash (black coal)	L	1.458.000	180	4.198	1	1987-93
6	Sulphide Corp., Boolaroo		Metallurgical furnes (zinc)	L	550.800	60 (120 peak)	11.326	1	1987
7	OLD Nickel, Townsville		Laterite dust	L	64.800	73	527	1	1987
8	MHI-Maruzumi Paper, Oh-E Works, (1x31 t/h)	J	CFB boiler fly ash (paper sullage)	L	129.600	190	1.698	1	1988
9	MHI-Maruzumi Paper, Oh-E Works, (1x31 t/h)	J	CFB boiler fly ash (paper sullage)	L	129.600	190	1.698	1	1988
10	MHI-Chuubu Electric Power, Shinagoya PS	J	Flyash handling	L	3.600	Ambient	34	1	1988
11	Mannesmann Demag/John, Lyssaaght, Pt Kembla	AUS	Steel strip millscale	L	61.200	20	536	1	1988
12	BHAS, Pt Pirie		Lead & zinc sulphides	L	75.600	Ambient	878	1	1988
13	Pacific Power, Munmorrah PS, Unit 3 (1x350 MW)	AUS	PC boiler fly ash (black coal)	L	1.900.800	150	30.101	1	1989
14	BHP, Pt Kembla, No. 2 Blast Furnace	AUS	Casthouse ventilation	L	450.000	140 max.	4.605	1	1989

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15	MHI-Kobe Steel, Nadahama, (1x150 t/h)	J	CFB boiler fly ash +furnace DeSox (coal)	L	140.400	20-155	3.809	1	1989
16	MHI-Nihon Cement, Saiki, (1x63 t/h)	J	CFB boiler fly ash +furnace DeSox (coal)	L	61.200	140-190	1.628	1	1990
17	Boyne Smelters, Gladstone	AUS	Potlining removal	L	82.800	Ambient	1.395	1	1990
18	ICI Operations, Botany		Stoker boiler fly ash	L	126.000	140-150	1.422	1	1990
19	ICI Operations, Botany		Stoker boiler fly ash	L	126.000	140-150	1.422	1	1990
20	Boyne Smelters, Potline, Gladstone	AUS	Dry scrubbing fluorides	L	68.400		1.140	1	1990
21	MHI - Japan Synthetic Rubber, Yokkaichi, (1x190 t/hr)	J	PC boiler fly ash	L	212.400	170	2.610	1	1990
22	MHI-Kobe Steel, Kakogawa, (1x225 t/h)	J	CFB boiler fly ash +furnace DeSox (coal)	L	201.600	145-180	2.610	1	1990
23	BHP, Whyalla	AUS	Ladle desulphurisation, pig iron	L	129.600	120 max.	878	1	1990
24	Boyne Smelters, Gladstone Anode Bake Furnace	AUS	Dry scrubbing, fluorides/tar	L	90.000	80	2.443	1	1990
25	Johannesburg Municipal Council, Kelvin PS Unit 19 (50 MW)	RSA	PC boiler fly ash (black coal)	L	295.200	170	4.198	1	1990-93
26	Johannesburg Municipal Council, Kelvin PS Unit 20 (50 MW)	RSA	PC boiler fly ash (black coal)	L	295.200	170	4.198	1	1990-93
27	Johannesburg Municipal Council, Kelvin PS Unit 21 (50 MW)	RSA	PC boiler fly ash (black coal)	L	295.200	170	4.198	1	1990-93
28	MHI-Kawasaki Steel, Mizushima No. 3 Sinter	J	Sinter plant room dedusting	L	781.200	30 - 70	10.994	1	1991

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29	BHP Whylla, No. 2 Blast Furnace	AUS	Casthouse ventilation	L	496.800	50-100	5.427	1	1992
30	MHI-Nihon Cement	J	Fluidised Bed	L	288.000	170	3.869	1	1992
31	Pretoria Municipal Council, Rooiwal Power Station	RSA	PC boiler fly ash	L	604.800	140-170	8.211	1	1992
32	Johannesburg Municipal Council, Kelvin Power Station Boiler 17	RSA	PC boiler fly ash	L	432.000	140-170	7.038	1	1992
33	Johannesburg Municipal Council, Kelvin Power Station Boiler 18	RSA	PC boiler fly ash	L	432.000	140-170	7.038	1	1992
34	Johannesburg Municipal Council, Kelvin Power Station Boiler 19	RSA	PC boiler fly ash	L	594.000	140-170	7.038	1	1992
35	Pretoria Municipal Council, Rooiwal Power Station Boilers 4 & 5	RSA	PC boiler fly ash	L	604.800	140-170	7.038		1993
36	MHI-Nihon Cement Kameliso, (1 x 180 t/hr)	J	CFB boiler fly ash +furnace DeSox (coal & oil cokes)	L	259.200	155	3.869	1	1993
37	BHP Newcastle, No. 3 Blast Furnace	AUS	Casthouse ventilation	L	496.800	50 -100	5.427	1	1993
38	SMEPB, Yang Shu Pu PS, Shanghai, Unit 33 (1x50 MW)	PRC	PC boiler fly ash (black coal)	L	350.000	125	5.672	1	1994
39	MHI-Kawasaki Steel, Mzushima No. 4 Sinter Plant	J	Room dedusting	L	782.000	30 - 70	10.993	1	1994
40	BHP, Newcastle Sinter Plant	AUS	Room dedusting	L	375.000	70 - 80	3.875	1	1994
41	BHP, Newcastle Sinter Plant	AUS	Room dedusting	L	375.000	70 - 80	3.875	1	1994
42	BHP, Newcastle No.4 Blast Furnace	AUS	Casthouse ventilation	L	317.000	21 - 120	2.884	1	1994

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43	QEC, Gladstone PS, Unit 1 280 MWe	AUS	PC boiler fly ash (black coal)	L	1.764.000	130	24.540	1	1995
44	QEC, Gladstone PS, Unit 2 280 MWe	AUS	PC boiler fly ash (black coal)	L	1.764.000	130	24.540	1	1995
45	QEC, Gladstone PS, Unit 3 280 MWe	AUS	PC boiler fly ash (black coal)	L	1.764.000	130	24.540	1	1995
46	QEC, Gladstone PS, Unit 4 280 MWe	AUS	PC boiler fly ash (black coal)	L	1.764.000	130	24.540	1	1995
47	BHP, Whyalla	AUS	BOS secondary fume	L	828.000	130	6.868	1	1995
48	BHP, Pt Kembla	AUS	Casthouse ventilation	L	1.150.000	70	12.340	1	1995
49	BHP, Blast Furnace 6	AUS	Stockhouse dedusting	L	638.000	30	7.040	1	1995
50	Research Cottrell -Texas Ute, Big Brown PS Unit 1 575 MWe	USA	COHPAC process fly ash from EP (lignite)	L	4.995.000	180	24.261	1	1995
51	Research Cottrell -Texas Ute, Big Brown PS, Unit 2 575 MWe	USA	COHPAC process fly ash from EP (lignite)	L	4.995.000	180	24.261	1	1995
52	Scottish Power, Methil PS (2 x 30 MWe)	GB	Coal Washery Reject Boiler fly ash	L	295.000	165-174	9.060	1	1995
53	NZAS Tiwai Pt		Aluminium Potline offgas fluoride scrubbing	L	605.000	80	4.475	1	1996
54	MHI, Nihon Cement, Saitama, (1x178 t/h)	J	CFB boiler fly ash & furnace Desox (coal)	L	256.000	140-155	3.869	1	1996
55	ESKOM, Majuba PS, Unit 1 - 670 MW	RSA	PC boiler fly ash (black coal)	L	4.680.000	125	77.575	1	1996
56	ESKOM, Majuba PS, Unit 2 - 670 MW	RSA	PC boiler fly ash (black coal)	L	4.680.000	125	77.575	1	1996

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57	ESKOM, Majuba PS, Unit 3 - 670 MW	RSA	PC boiler fly ash (black coal)	L	4.680.000	125	77.575	1	1996
58	QEC, Gladstone PS, Unit 5 - 280 MW	AUS	PC boiler fly ash (black coal)	L	1.765.000	130	34.346	1	1996
59	QEC, Gladstone PS, Unit 6 - 280 MW	AUS	PC boiler fly ash (black coal)	L	1.765.000	130	34.346	1	1996
60	Eskom, Hendrina PS, Unit 6 - 200 MW	RSA	PC boiler fly ash (black coal)	L	1.520.000	127	125.560	1	1996
61	Eskom, Hendrina PS, Unit 7 - 200 MW	RSA	PC boiler fly ash (black coal)	L	1.520.000	127	125.560	1	1996
62	Eskom, Hendrina PS, Unit 8 - 200 MW	RSA	PC boiler fly ash (black coal)	L	1.520.000	127	125.560	1	1996
63	Eskom, Hendrina PS, Unit 9 - 200 MW	RSA	PC boiler fly ash (black coal)	L	1.520.000	127	125.560	1	1996
64	Eskom, Hendrina PS, Unit 10 - 200 MW	RSA	PC boiler fly ash (black coal)	L	1.520.000	127	125.560	1	1996
65	Iskor, Johannesburg, No.2 Casthouse	RSA	Casthouse ventilation	L	560.000	120	6.176	1	1996
66	WSL-SR2-Capel, WA		Conveyor dedusting Synthetic Rutile	L	137.000	40	1.472	1	1996
67	Johannesburg Municipal Council, Kelvin Power Station Boiler 13	RSA	P.C. - Boiler fly ash	L	595.000	140-170	8.212	1	1996
68	Johannesburg Municipal Council, Kelvin Power Station Boiler 14	RSA	P.C. - Boiler fly ash	L	595.000	140-170	8.212	1	1996
69	Johannesburg Municipal Council, Kelvin Power Station Boiler 15	RSA	P.C. - Boiler fly ash	L	595.000	140-170	8.212	1	1996
70	WSL-SR2-Capel		Conveyor Dedusting Synthetic Rutile	L	137.000	40	1.500	1	1996

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71	Hoboken Cooper Smelter	NL	Cast Room and Process Dedusting	L	324.000	105-150	5.460	1	1997
72	Tisova CFB Powerstation	CZ	Boiler Dedusting	L	735.000	145	12.252	1	1997
73	Prahovice/Holderbank	CZ	Clinker Cooler Dedusting	L	270.000	150	4.524	1	1997
74	Austa Electric Swanbank PS Unit 1	AUS	PC boiler fly ash	L	945.000	130-150	10.871	1	1997
75	Austa Electric Swanbank PS Unit 2	AUS	PC boiler fly ash	L	945.000	130-150	10.871	1	1997
76	Austa Electric Swanbank PS Unit 3	AUS	PC boiler fly ash	L	945.000	130-150	10.871	1	1997
77	Austa Electric Swanbank PS Unit 4	AUS	PC boiler fly ash	L	945.000	130-150	10.871	1	1997
78	Boyne Smelter, Australia Hoogovens Construction Service	CAN	Dry Scrubbers Flouride	L	1.872.000	80	25.477	1	1997

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79	Boyne Smelter, Australia Hoogovens Construction Service	CAN	Dry Scrubbers Flouride	L	1.872.000	80	25.477	1	1997
80	Mineco Comalca Bell Bay		Potline scrubber	L	409.000	80	21.739	1	1997
81	Mineco Comalca Bell Bay		Potline scrubber	L	409.000	80	21.739	1	1997
82	Mineco Comalca Bell Bay		Potline scrubber	L	409.000	80	21.739	1	1997
83	Mineco Comalca Bell Bay		Potline scrubber	L	409.000	80	21.739	1	1997
84	Mineco Comalca Bell Bay		Potline scrubber	L	409.000	80	21.739	1	1997
85	Mineco Comalca Bell Bay		Potline scrubber	L	409.000	80	21.739	1	1997
86	Alcan Lynemouth, UK Hoogovens Technical Service	UK	Aluminium potline HF scrubber	L	1.250.000	100	19.949	1	1997
87	ESKOM, Majuba PS, Unit 4 - 670 MW _e	RSA	PC boiler fly ash (black coal)	L	4.680.000	125	77.575	1	1998
88	ESKOM, Majuba PS, Unit 5 - 670 MW _e	RSA	PC boiler fly ash (black coal)	L	4.680.000	125	77.575	1	1998
89	ESKOM, Majuba PS, Unit 6 - 670 MW _e	RSA	PC boiler fly ash (black coal)	L	4.680.000	125	77.575	1	1998
90	Setuza Powerplant	CZ	PC-Boiler DeSO _x	L	422.000	80-160	8.165	1	1998
91	Laragon, Lindsay Point, Victoria	AUS	Almand Processing Plant	L	71.000	40	440	1	1998
92	MHI-Ide Paper, Yoshiwara, (1 x 50 t/h)	J	CFB boiler flyash (organic wastes)	L	65.000	160		1	1998

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93	MHI, Chugoku Electric Power, Osaka PS 1 Unit	J	PFBC	L	1.260.000	130	15.413	1	1999
94	Blue Circle , Bemina	AUS	Coal Mill Filter	L	51.000	70	711	1	1999
95	Union Miniere, Hoboken	B	Shaft-Furnace HO4 Lead and Zinc Smelter	L	328.000	120	7.143	1	2000
96	HCB Eclepence Holderbank	CH	Cement Kiln Dedusting	L	270.000	120	4.775	1	2000
97	Transfield, Collinsville PS, Unit 1	AUS	PC boiler fly ash (Black coal)	L	864.000	142	11.222	1	2000
98	Transfield, Collinsville PS, Unit 2	AUS	PC boiler fly ash (Black coal)	L	864.000	142	11.222	1	2000
99	Transfield, Collinsville PS, Unit 3	AUS	PC boiler fly ash (Black coal)	L	864.000	142	11.222	1	2000
100	Transfield, Collinsville PS, Unit 4	AUS	PC boiler fly ash (Black coal)	L	864.000	142	11.222	1	2000
101	Transfield, Collinsville PS, Unit 5	AUS	PC boiler fly ash (Black coal)	L	864.000	142	11.222	1	2000
102	Aluminium Delfzijl Alde, Hoogovens Technical Service	NL	Aluminium potline HF sscrubber	L	1.890.000	80	27.430	1	2000
103	Pacific Power, Callide PS, Unit 1	AUS	PC boiler fly ash (Black coal)	L	1.815.000	110	25.190	1	2001
104	Pacific Power, Callide PS, Unit 2	AUS	PC boiler fly ash (Black coal)	L	1.815.000	110	25.190	1	2001
105	Pacific Power, Tarong North PS, Unit 1	AUS	PC boiler fly ash (Black coal)	L	2.200.000	130	46.100	1	2002

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106	Elsam A/S Fynsvaerket unit 7 (nowadays Vattenfall A/S)	DK	PC boiler fly ash (Black coal) ESP Retrofit	L	1.026.000	125	27.600	1	2001
107	Hohhot Power Plant, Inner Mongolia, China Boilers	PRC	PC boiler fly ash	L	1.750.000	140	25.600	1	2001
108	Hohhot Power Plant, Inner Mongolia, China Boilers	PRC	PC boiler fly ash	L	1.750.000	140	25.600	1	2002
109	RSU Cantabria	E	Waste incineration, CFB Scrubber	L	152.000	140	3.260	1	2003/04
110	Shannonbridge (West Offaly)	IRL	CFB boiler, CFB Scrubber	L	850.000	85	17.300	1	2004
111	Lanesborough (Lough Ree)	IRL	CFB boiler, CFB Scrubber	L	566.500	85	12.390	1	2004
112	Yushe (by Longking)	CN	Coal Fired Boiler	L				2	2004
113	Huatai (by Longking)	CN	Coal Fired Boiler	L				1	2005
114	Matou (by Longking)	CN	Coal Fired Boiler	L				1	2006
115	Guangshihua (by Longking)	CN	Coal Fired Boiler	L				2	2006
116	Yanshan Petro-chemical Thermal Power plant (by TFEN)	CN	Coal Fired Boiler	L				2	2006
117	Gaojin (by TFEN)	CN	Coal Fired Boiler	L				2	2006
118	Qilu Petro-Chemical (by TFEN)	CN	Coal Fired Boiler	L				2	2006
119	Lanhe (by Longking)	CN	Coal Fired Boiler	L				2	2007
120	Anping power plant (by TFEN)	CN	Coal Fired Boiler	L				2	2007
121	Yili power plant (by SSEP)	CN	Coal Fired Boiler	L				2	2007

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122	AVA Nordwest Line 1	D	Waste incineration, CFB Scrubber	L	226.000	140	4.555	1	2007
123	AVA Nordwest Line 2	D	Waste incineration, CFB Scrubber	L	226.000	140	4.555	1	2007
124	AVA Nordwest Line 3	D	Waste incineration, CFB Scrubber	L	226.000	140	4.555	1	2009
125	AVA Nordwest Line 4	D	Waste incineration, CFB Scrubber	L	226.000	140	4.555	1	2009
126	Allington Line 1	GB	Waste incineration, CFB Scrubber	L	208.000	140	3.840	1	2006
127	Allington Line 2	GB	Waste incineration, CFB Scrubber	L	208.000	140	3.840	1	2006
128	Allington Line 3	GB	Waste incineration, CFB Scrubber	L	208.000	140	3.840	1	2006
129	Moneypoint, 305 MW CFB, Line 1	IRL	Coal Fired Boiler, CFB Scrubber	L	1.753.000	70-85	37.630	1	2008
130	Moneypoint, 305 MW CFB, Line 2	IRL	Coal Fired Boiler, CFB Scrubber	L	1.753.000	70-85	37.630	1	2008
131	Moneypoint, 305 MW CFB, Line 3	IRL	Coal Fired Boiler, CFB Scrubber	L	1.753.000	70-85	37.630	1	2009

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132	Lianyuan power plant (by SSEP)	CN	Coal Fired Boiler	L				2	2008
133	Baotou power plant (by SSEP)	CN	Coal Fired Boiler	L				1	2007
134	Hebi power plant (by SSEP)	CN	Coal Fired Boiler	L				2	2008
135	Jinling (by Longking)	CN		L				2	2008
136	Brazil (by Longking)	BR	Coal Fired Boiler	L				1	2008
137	Brazil (by Longking)	BR	Coal Fired Boiler	L				3	2008
138	Junliangcheng power plant (by TFEN)	CN	Coal Fired Boiler	L				2	2009
139	Touketou power plant (by TFEN)	CN	Coal Fired Boiler	L				2	2008
140	Jinling (by Longking)	CN		L				1	2009
141	Hanfeng (by Longking)	CN	Coal Fired Boiler	L				2	2010
142	Jimo (by Longking)	CN		L				1	2010
143	Zhangze power plant (by TFEN)	CN	Coal Fired Boiler	L				1	2009
144	Fengtai power plant (by TFEN)	CN	Coal Fired Boiler	L				2	
145	Nayong power plant (by TFEN)	CN	Coal Fired Boiler	L				8	2010
146	No.2 thermal power plant, Mudanjiang (by TFEN)	CN	Coal Fired Boiler	L				1	2010

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147	Chifeng power plant (by TFEN)	CN	Coal Fired Boiler	L				2	2011
148	Yemazhai power plant (by TFEN)	CN	Coal Fired Boiler	L				3	2011
149	Xibopo power plant (by TFEN)	CN	Coal Fired Boiler	L				1	2012
150	Mudanjiang Power Plant, Line 2 China Huadian Corporation (by Londian)	CN	Coal Fired Boiler	L				1	2011
151	Zhangshan Power Plant, Beijing Energy Investment Holding (by Londian)	CN	Coal Fired Boiler	L				2	2012
152	Jinglong Power Plant, Beijing Energy Investment Holding (by Londian)	CN	Coal Fired Boiler	L				1	2013
153	Daihai Power Plant, Beijing Energy Investment Holding (by Londian)	CN	Coal Fired Boiler	L				2	2013
154	Baotou Power Plant, China Huadian Corporation (by Londian)	CN	Coal Fired Boiler	L				1	2013
155	Guizhou Dafang Power Plant, China Huadian Corporation (by Londian)	CN	Coal Fired Boiler	L				1	2013
156	Liaoning Tieling Power Plant, China Huadian Corporation (by Londian)	CN	Coal Fired Boiler	L				2	2013
157	Harbin Power Plant, Line 3 China Huadian Corporation (by Londian)	CN	Coal Fired Boiler	L				2	2013
158	Shijiazhuang Thermal Power Plant, China Huadian Corporation (by Londian)	CN	Coal Fired Boiler	L				1	2013
159	Changchun (by CDTE)	CN	Coal Fired Boiler	L				2	2015
160	Liaoyang (by CDTE)	CN	Coal Fired Boiler	L				2	2015
161	Xiangtan (by CDTE)	CN	Coal Fired Boiler	L				1	2015
162	Qingyuan (by CDTE)	CN	Coal Fired Boiler	L				2	2015

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163	E.ON Centrale de Provence, Gardanne, 170 MWel. (by Doosan Lentjes)	F	Biomass/Coal Fired CFB Boiler	L	746.900	168	25.600	1	2015
164	Cochrane Thermoelectric Power Plant, 250 MW, Line 1 (by Doosan Lentjes)	CL	Coal Fired Boiler, CFB Scrubber	L	958.000	75	25.600	1	2017
165	Cochrane Thermoelectric Power Plant, 250 MW, Line 2 (by Doosan Lentjes)	CL	Coal Fired Boiler, CFB Scrubber	L	958.000	75	25.600	1	2017
166	Municipiul IAȘI (by Doosan Lentjes)	RO	Coal Fired Boiler, CFB Scrubber	L	863.000	66	17.920	1	2017
167	DONG Energy, Skærbækværket, 140 MWel. + 20 MWth.	DK	Biomass Fired Boiler	L	335.000	136	7.120	1	2017
168	DONG Energy, Skærbækværket, 140 MWel. + 20 MWth.	DK	Biomass Fired Boiler	L	335.000	136	7.120	1	2017
169	BIR Avfallsenergi AS, Rådalen, Bergen	NOR	Waste incineration	L	106.356	130	2.908	1	2016
170	FREVAR KF, Fredrikstad, Line 1	NOR	Waste incineration, semi-dry sorption	L	42.000	160	1.425	1	2018
171	FREVAR KF, Fredrikstad, Line 2	NOR	Waste incineration, semi-dry sorption	L	42.000	160	1.425	1	2018