

## Waste Air Scrubber RECYCLAIR in Sewage Treatment and Sludge Drying



Order	Site	Pollutants	Version	Mat.	Type	Flow rate	Year
270'200	HKW Wiesbaden (DE)	Odours / Ammoniak NH <sub>3</sub>	Horizontal 2-stage	PPs	RHZ 1250 spec.	20'600 m <sup>3</sup> /h	1995
279'420	Kläranlage Mannheim (DE)	Odours / Ammoniak NH <sub>3</sub>	Horizontal 2-stage	PPs	RHZ spec.	37'500 m <sup>3</sup> /h	1997
285'860	Kläranlage St. Ingberg (DE)	Odours	Horizontal 3-stage	GFK	Spec.	18'000 m <sup>3</sup> /h	1997
	Kläranlage Kamen	Odours	Horizontal 1-stage	PE	RHE 500 spec.	5'000 m <sup>3</sup> /h	1998
292'630	Körnebach (DE)	Odours	Horizontal 1-stage	PE	RHE 1120 spec.	25'000 m <sup>3</sup> /h	1998
		Odours	Horizontal 1-stage	PE	RHE 500 spec.	3'000 m <sup>3</sup> /h	1998
296'110	Kläranlage Lindau (DE)	Odours	Horizontal 2-stage	PP	RHZ 710 spec.	7'500 m <sup>3</sup> /h	1998
286'720	AVAG Uttigen,	Granulate waste air/Ammonia NH <sub>3</sub>	Vertical	PP	RVE 1600	12'000 m <sup>3</sup> /h	1998
324'380	Abfall-Verwertungs AG (CH)	Dryer waste air / Ammonia NH <sub>3</sub>	Vertical	PP	RVE 1000	4'000 m <sup>3</sup> /h	1998
		Room waste air / Ammonia NH <sub>3</sub>	Vertical	PP	RVE 2500	30'000 m <sup>3</sup> /h	2000
302'070	Kläranlage Prad (IT)	Ammonia NH <sub>3</sub>	Vertical	PP	RVE 630	1'500 m <sup>3</sup> /h	1998
310'150	Kläranlage Würzburg (DE)	Odours / Ammonia NH <sub>3</sub>	Horizontal 2-stage	PE	RH 900 spec.	20'000 m <sup>3</sup> /h	1999
	Kläranlage Linnich (DE)	Various	Vertical	PP	RVE 1000	5'000 m <sup>3</sup> /h	1999
319'820	ARA Schöftland (CH)	Ammonia NH <sub>3</sub>	Horizontal 1-stage	PP	RHE 315	1'000 m <sup>3</sup> /h	2000
321'640	Kompostieranlage Belluno II (IT)	Ammonia NH <sub>3</sub> Acetaldehyd C <sub>2</sub> H <sub>4</sub> O	Vertical	PP	RVE 1500	14'000 m <sup>3</sup> /h	2000
334'810	ARA Flawil (CH)	Various	Horizontal 1-stage	PP	RHG 630	10'500 m <sup>3</sup> /h	2001
509'170	ARA Region Bern AG	Various	Vertical	PE	RVE 3200	65'000 m <sup>3</sup> /h	2005
559'260	ARA Rhein	Various	Horizontal	PP	RHE 2000 spec.	65'000 m <sup>3</sup> /h	2005
598'640	ARA Thunersee	Various	Horizontal	PP	RHG 500	6'000 m <sup>3</sup> /h	2006

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### Waste Air Scrubber RECYCLAIR in surface treatment



Order	Site	Pollutants	Version	Mat.	Type	Flow rate	Year
293'170	Galvanik Coloral SA (CH)	Acids	Horizontal 1-stage	PP	RHE 500	3'500 m <sup>3</sup> /h	1998
294'860	Galvanik Chatelain SA (CH)	Acids	Horizontal 2-stage	PP	RHE 630	9'500 m <sup>3</sup> /h	1998
285'560	Pentol GmbH Weil am Rhein (DE)	Hydrogen-Fluoride Nitric acid HCl	Horizontal 3-stage	PE	RHE 315	2'000 m <sup>3</sup> /h	1997
299'710	LMV Galvanik Lauingen (DE)	Waste air nicle bath	Horizontal 1-stage	PPs	RHE 1250 spec.	40'000 m <sup>3</sup> /h	1998
		Waste air chrome bath	Horizontal 1-stage	PPs	RHE 710 spec.	14'000 m <sup>3</sup> /h	1998
		Waste air Cu-Cn-bath	Horizontal 1-stage	PPs	RHE 315 spec.	2'500 m <sup>3</sup> /h	1998
320'250	De Martin (CH)	Waste air nicle bath	Horizontal 1-stage	PP	RHE 630	10'000 m <sup>3</sup> /h	2000
		Waste air titan pickling Anodebrighten	Horizontal 1-stage	PPs	RHE 500	6'450 m <sup>3</sup> /h	2000
342'610	Goodyear Wireplant (LU)	Ammonia NH <sub>3</sub>	Vertical	PP	RVE 1750	17'000 m <sup>3</sup> /h	2002
					RVE 1500	12'000 m <sup>3</sup> /h	2002
		Cyanid CN	Vertical	PP	RVE 1750	17'000 m <sup>3</sup> /h	2002
					RVE 1500	12'000 m <sup>3</sup> /h	2002
347'590	Outokumpu (Neumayer GmbH, AT-Leobersdorf)	Diverse	Horizontal	PP	RHE 630	12'500 m <sup>3</sup> /h	2002
500'740	Härtereier Gerster, Egerkingen (CH)	Boron trifluoride BF <sub>3</sub> Hydrofluoric acid HF	Vertical	PP	RVE 1000 spec.	3'000 m <sup>3</sup> /h	2003
551'970	Outokumpu (Finnland)	Various	Horizontal	PP	RHE 315	1'500 m <sup>3</sup> /h	2004
583'280	China (Andritz Wien)	Various	Vertical	PP	RVE 1600	9'000 m <sup>3</sup> /h	2005
			Vertical		RVE 2000	16'000 m <sup>3</sup> /h	2005
577'510	Bahrein	Hydrofluoric acid HF	Vertical	PPC	RVE 1500 spec.	14'640 m <sup>3</sup> /h	2005
588'870	Candor Sweden AB (SE)	Nitric acid HCl	Vertical	PP	RVE 900	5'000 m <sup>3</sup> /h	2006
592'340	STS Industrie	Various	Vertical	PP	RVE 1500	15'000 m <sup>3</sup> /h	2006
598'650	Cendres & Métaux, Biel (CH)	Nitrose Gase NOx	Vertical, Venturi	PP	CSW 60	150 m <sup>3</sup> /h	2006
601'610	FUBAG Metallveredlung (CH)	Various	Horizontal	PP	RHE 900	23'000 m <sup>3</sup> /h	2006
604'100	Permascand AB (SE)	Various	Vertical	PP	RVE 2250	27'000 m <sup>3</sup> /h	2006

## Waste Air Scrubber RECYCLAIR in surface treatment



Order	Site	Pollutants	Version	Mat.	Type	Flow rate	Year
643'510	Pro Plating, La Chaux-de-Fonds	Sulphur trioxide SO <sub>3</sub>	Vertical	PP	RVE 500 spec.	1'100 m <sup>3</sup> /h	2007
651'600	RUAG Emmen	Various pollutants	Vertical	PP	RVE-k 1750	20'000 m <sup>3</sup> /h	2007

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## Waste Air Scrubber RECYCLAIR in Microelectronics



Order	Site	Pollutants	Version	Mat.	Type	Flow rate	Year
269'500	Mitsubishi (DE)	Hydrofluoric acid HF Hydrochloric acid HCl Nitric acid HNO <sub>3</sub> Sulphuric acid H <sub>2</sub> SO <sub>4</sub> Hydrogen peroxide H <sub>2</sub> O <sub>2</sub>	Vertical	PP	RVE 2000	30'000 m <sup>3</sup> /h	1996
		Ammonia NH <sub>3</sub>	Vertical	PP	RVE 1500	12'000 m <sup>3</sup> /h	1996
296'950	CSEM Neuchâtel (CH)	Acids	Vertical	PP	RVE 2000	25'000 m <sup>3</sup> /h	1998
	Sunways Konstanz (DE)	Hydrochloric acid HCl Hydrofluoric acid HF	Vertical	PP	RVE 1400	9'000 m <sup>3</sup> /h	1999
317'410	PPC Electronic AG (CH)	Hydrochloric acid HCl	Horizontal 1-stage	PP	RHE 500	3'360 m <sup>3</sup> /h	1999
		Various	Horizontal 1-stage	PP	RHE 630	11'400 m <sup>3</sup> /h	2000
325'840		Various	Horizontal 1-stage	PP	RHE 1250	45'000 m <sup>3</sup> /h	2001
	Keller & Bohacek (DE)	Hydrochloric acid HCl	Vertical	PP	RVE 500	1'000 m <sup>3</sup> /h	2000
318'020	"Clean room" (SE)	Acids	Horizontal 1-stage	PPs	RHE 500	6'250 m <sup>3</sup> /h	2000
326'530	Infineon Technologie GmbH Dresden (DE)	Hydrofluoric acid HF Bromic acid HBr Hydrochloric acid HCl Nitric acid HNO <sub>3</sub> Sulphuric acid H <sub>2</sub> SO <sub>4</sub>	Horizontal 1-stage	PP	3xRHE 1250 spec. 2xRHE 1120 spec.	50'000 m <sup>3</sup> /h 25'000 m <sup>3</sup> /h	2001
		Ammonia NH <sub>3</sub>	Horizontal 1-stage	PP	RHE 1250 spec. RHE 1120 spec.	50'000 m <sup>3</sup> /h 25'000 m <sup>3</sup> /h	2001
331'130	Optiprint AG (CH)	Various	Horizontal 1-stage	PP	RHE 630	8'000 m <sup>3</sup> /h	2001
333'740	Optillion (SE)	Various	Horizontal 1-stage	PP	RHE 900	22'000 m <sup>3</sup> /h	2001
336'320	EM Marin (CH)	Hydrochloric acid HCl Bromic acid HBr Hydrofluoric acid HF Chlor Cl <sub>2</sub>	Vertical	PVC	RVE 200 spec.	150 m <sup>3</sup> /h	2001

## Waste Air Scrubber RECYCLAIR in Microelectronics



Order	Site	Pollutants	Version	Mat.	Type	Flow rate	Year	
329'050	AMD Advanced Micro Devices Dresden (DE)	Hydrofluoric acid HF Bromic acid HBr Hydrochloric acid HCl Nitric acid HNO <sub>3</sub> Sulphuric acid H <sub>2</sub> SO <sub>4</sub>	Vertical	PP	2xRVE	3500 spec.	je 60000 m <sup>3</sup> /h	2001
		Ammonia NH <sub>3</sub>	Vertical	PP	RVE	2000 spec.	20'000 m <sup>3</sup> /h	2001
404'040	AMS (AT)	Various pollutants	Vertical	PP	RVZ	3000 spec.	15'000 m <sup>3</sup> /h	2001
330'870	TOWER Semiconductor (IL)	Various acides	Horizontal	PP UV	RHE	1250 spec.	51'000 m <sup>3</sup> /h	2001
410'780	AMD Advanced Micro Devices Dresden (DE)	Hydrochloric acid HCl Hydrofluoric acid HF Sulphuric acid H <sub>2</sub> SO <sub>4</sub> Nitric acid HNO <sub>3</sub> Chlor Cl <sub>2</sub>	Vertical	PP	RVE	3500 spec.	60'000 m <sup>3</sup> /h	2002
		Ammonia NH <sub>3</sub>	Vertical	PP	RVE	2000 spec.	20'000 m <sup>3</sup> /h	2002
		Ammonia NH <sub>3</sub>	Vertical	PP	RVE	2600 spec.	35'750 m <sup>3</sup> /h	2002
409'430	SINTEF MRL, Oslo (NO)	Hydrochloric acid HCl Hydrofluoric acid HF Bromic acid HBr Nitric acid HNO <sub>3</sub> Phosphoric acid H <sub>3</sub> PO <sub>4</sub> Sulphuric acid H <sub>2</sub> SO <sub>4</sub> Hydrogen Peroxide H <sub>2</sub> O <sub>2</sub> Chlor Cl <sub>2</sub>	Horizontal	PP	RHE	1120 spec.	34'000 m <sup>3</sup> /h	2002

## Waste Air Scrubber RECYCLAIR in Microelectronics



Order	Site	Pollutants	Version	Mat.	Type	Flow rate	Year
517'710	IMEC Belgien (BEL)	Sulphuric acid H <sub>2</sub> SO <sub>4</sub> Nitric acid HNO <sub>3</sub> Phosphoric acid H <sub>3</sub> PO <sub>4</sub> Hydrochloric acid HCl Hydrofluoric acid HF	Horizontal	PP	2xRHE 2000 spec.	70'000 m <sup>3</sup> /h	2003
		Ammonia NH <sub>3</sub>	Horizontal	PP	RHE 900 spec.	20'000 m <sup>3</sup> /h	2003
505'400 523'060	Photo-Mask (IT)	Various	Horizontal	PE	2xRHE 500 1xRHE 315	7'000 m <sup>3</sup> /h 3'300 m <sup>3</sup> /h	2003
517'070	Communicant, Frankfurt-Oder (DE)	Hydrochloric acid HCl Hydrofluoric acid HF Chlor Cl <sub>2</sub>	Horizontal	PP	3xRHE 2000 spec.	65'000 m <sup>3</sup> /h	2003
		Ammonia NH <sub>3</sub>	Horizontal	PP	RHE 1120 spec.	30'000 m <sup>3</sup> /h	2003
415'920	Wacker Siltronic AG, Freiberg (DE)	Various	Vertical	PPs	RVE 2500	40'000 m <sup>3</sup> /h	2003
536'370	AMD Advanced Micro Devices Dresden (DE)	Hydrofluoric acid HF Hydrochloric acid HCl	Horizontal	PP	8xRHE 2000 spec.	48'000 m <sup>3</sup> /h	2004
		Ammonia NH <sub>3</sub>	Horizontal	PP	4xRHE 2000 spec.	48'000 m <sup>3</sup> /h	2004
549'260	Infineon Technologie GmbH Dresden (DE)	Hydrofluoric acid HF Bromic acid HBr Hydrochloric acid HCl Nitric acid HNO <sub>3</sub> Sulphuric acid H <sub>2</sub> SO <sub>4</sub>	Horizontal 1-stage	PP	2xRHE 2000 spec.	55'000 m <sup>3</sup> /h	2004
		Ammonia NH <sub>3</sub>	Horizontal 1-stage	PP	2xRHE 1120 spec.	30'000 m <sup>3</sup> /h	2004
587'660	JENOPTIK Diode Lap GmbH Berlin (DE)	Hydrofluoric acid HF Hydrochloric acid HCl	Horizontal 1-stage	PP	RHE 500 spec.	5'000 m <sup>3</sup> /h	2006
595'860	Deutsche Cell, Freiberg (DE)	Nitrose Gase NOx	Vertical 2-stage	PP	2xRVE 3000 spec.	6'000 m <sup>3</sup> /h	2006
605'580	First Solar, Frankfurt Oder (DE)	Various acids	Horizontal 1-stage	PP	RHE 500 spec.	5'000 m <sup>3</sup> /h	2006
617'670	VTT Micronova (FI)	Various	Horizontal 1-stage	PP	2xRHE 900	23'000 m <sup>3</sup> /h	2006

## Waste Air Scrubber RECYCLAIR in Microelectronics



Order	Site	Pollutants	Version	Mat.	Type	Flow rate	Year
625'260	HighSi, Frankfurt Oder (DE)	NOx	Vertical 2-stage	PP	2xRVE 3000 spec.	7'500 m <sup>3</sup> /h	2007
		Various acids	Horizontal 1-stage	PP	RHE 2000 spec.	50'000 m <sup>3</sup> /h	2007
625'261	HighSi, Frankfurt Oder (DE)	Ammonia NH <sub>3</sub>	Vertical	PP	RVE 900	4'000 m <sup>3</sup> /h	2007
628'830	Siltronic Samsung Wafer Pte, Singapore (SG)	NOx	Vertical 2-stage	PP	4xRVE 2800 spec.	17'000 m <sup>3</sup> /h	2007
		Various acids	Vertical	PP	2xRVE 2800	55'000 m <sup>3</sup> /h	2007

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### Waste Air Scrubber RECYCLAIR for various Applications



Order	Site	Pollutants	Version	Mat.	Type	Flow rate	Year	
275'410	HVC Nord (NL)	Calcium chloride CaCl <sub>2</sub>	Horizontal 1-stage	PP	RHE	315	1'500 m <sup>3</sup> /h	1996
277'530	Lobbe-Sibag (CH)	Nitrous fumes No <sub>x</sub> Hydrochloric acid HCl Chloric gas Cl <sub>2</sub> Hydrogen sulphide H <sub>2</sub> S Hydrocyanic acid HCN Ammonia NH <sub>3</sub> Chloric gas ClCN Sulphur oxides So <sub>x</sub>	Horizontal 2-stage	PP	RHE	630	9'500 m <sup>3</sup> /h	1997
	Comelec SA (CH)	Hydrochloric acid HCl Formaldehyde CH <sub>2</sub> O	Vertical	PP	spec.		1'200 m <sup>3</sup> /h	1998
	Tappan (SE)	Various	Horizontal 2-stage	PP	RHZ	710	13'000 m <sup>3</sup> /h	1998
	Seco Tools (SE)	Various	Vertical	PPs	RVE	1000 spec.	4'500 m <sup>3</sup> /h	1998
	Mülldeponie Walddorf (DE)	Various	Vertical	PE	RVE	630	2'000 m <sup>3</sup> /h	1999
320'460	ETH Hönggerberg (CH)	Acids	Horizontal 1-stage	PP	RHE	315	920 m <sup>3</sup> /h	2000
325'660	Abfallbeseitigungsanlage Polen (PL)	Ammonia NH <sub>3</sub>	Vertical	PP	RVE	2000	25'000 m <sup>3</sup> /h	2000
324'630	Lackieranlage, Kufstein (AT)	Solvent	Vertical	PP	RVE	1250 spec.	10'000 m <sup>3</sup> /h	2000
326'390	Uni Linköping (SE)	Various	Horizontal 1-stage	PP	RHE	630 spec.	11'160 m <sup>3</sup> /h	2000
332'840	Firmenich SA, Meyrin (CH)	Various	Horizontal 1-stage	PP	RHG	900	23'000 m <sup>3</sup> /h	2001
334'210	SNC (FR)	Various	Horizontal 1-stage	PE	RHG	1120	30'000 m <sup>3</sup> /h	2001
334'510	Kompostierwerk Ormesheim (DE)	Various	Horizontal 1-stage	PP	RHG	1120	26'000 m <sup>3</sup> /h	2001
335490, 623'180	Vergärungsanlage Hoppstädten-Weiersbach (DE)	Various	Horizontal 2-stage	PP	RHG	1120	30'000 m <sup>3</sup> /h	2001
409'030	Volz Luftfilter, Horb (DE)	Formaldehyd	Vertical	PP	RVE	1500	10'000 m <sup>3</sup> /h	2001
344'740	KVA Thun (CH)	Hydrochloric acid HCl	Vertical	PP	RVE	500	2'000 m <sup>3</sup> /h	2002
346'010	TI-Group Automotive System (FR)	Cooling tower for sulfuric acid	Vertical	PE	RVE	1600 spec.	13'000 m <sup>3</sup> /h	2002

## Waste Air Scrubber RECYCLAIR for various Applications



Order	Site	Pollutants	Version	Mat.	Type	Flow rate	Year
412'150	Steuler Anlagenbau (DE)	Various	Vertical	PP	RVE 1500	15'000 m <sup>3</sup> /h	2002
347'620	Vergärungsanlage Alghoba, Libyen	Various	Vertical	PP	RVE 2000	20'000 m <sup>3</sup> /h	2002
347'950	Hoffmann-La Roche (CH)	Ammonia NH <sub>3</sub>	Vertical	PP	RVE 800 spec.	4'000 m <sup>3</sup> /h	2003
412'590	Vergärungsanlage Portugal (PT)	Various	Vertical	PP	RVE 1500	15'000 m <sup>3</sup> /h	2003
515'600	KVA Thun (CH)	Ammonia NH <sub>3</sub>	Vertical	PP	RVE 400	1'000 m <sup>3</sup> /h	2003
509'990	ABA Wiener Neustadt (AT)	Ammonia NH <sub>3</sub>	Vertical	PP	RVE 1750	13'000 m <sup>3</sup> /h	2003
		Various	Horizontal	PP	RHG 500	8'200 m <sup>3</sup> /h	2003
515'900	Hungrana Kft. (HUN)	Biogas, Hydrogen sulphide H <sub>2</sub> S	Vertical	PP	RVE 400	200 m <sup>3</sup> /h	2003
510'570	Hoffmann-La Roche (CH)	Ammonia NH <sub>3</sub>	Vertical	PP	RVE 1000 spec.	7'000 m <sup>3</sup> /h	2003
520'420	KVA Trimmis (CH)	Various (ABA)	Vertical	PP	RVE 500	1'500 m <sup>3</sup> /h	2004
		Various (FLUWA)	Vertical	PP	RVE 630	2'500 m <sup>3</sup> /h	2004
527'370	MBA Liezen (AT)	Ammonia NH <sub>3</sub>	Vertical	PP	RVE 2750	49'000 m <sup>3</sup> /h	2004
537'340	Batrec AG, Wimmis (CH)	Sulphur oxides So <sub>x</sub>	Vertical		RVE 630	1'500 m <sup>3</sup> /h	2004
548'830	Hoffmann-La Roche (CH)	Ammonia NH <sub>3</sub>	Vertical	PP	RVE 1000 spec.	7'000 m <sup>3</sup> /h	2004
549'250	Hoffmann-La Roche (CH)	Ammonia NH <sub>3</sub>	Vertical	PP	RVE 1300 spec.	10'000 m <sup>3</sup> /h	2004
556'430	Batrec AG, Wimmis (CH)	Mercuri Hg	Vertical	PP	RVE 500	1'000 m <sup>3</sup> /h	2005
560'900	Deponie Nord, München (DE)	Ammonia NH <sub>3</sub>	Vertical	PP	2xRVE-k 1000	5'000 m <sup>3</sup> /h	2005
571'150	Frauenhofer-Institut Freiburg (DE)	Various	Horizontal 1-stage	PP	RHE 1120 spec.	17'000 m <sup>3</sup> /h	2005
572'050	Karton Deisswil AG (CH)	Various	Horizontal 1-stage	PP	RHE 315	1'300 m <sup>3</sup> /h	2005
583'350	KVA Les Cheneviers	Hydrochloric acid HCl	Vertical	PP	RVE 1000	5'000 m <sup>3</sup> /h	2005
596'350	MBA Lavant	Ammonia NH <sub>3</sub>	Vertical	PP	RVE 2250	34'000 m <sup>3</sup> /h	2006
600'120	Hoesch Granules GmbH, Neuss (DE)	Hydrochloric acid HCl	Vertical	PP	RVE 900	5'000 m <sup>3</sup> /h	2006
608'510	Venjakob, Gütersloh (DE)	Various pollutants	Vertical	PE	RVE 3000 spec.	30'000 m <sup>3</sup> /h	2006
623'920	TMF Bazenheim	Hydrogen sulphide H <sub>2</sub> S	Vertical	PE	3xRVE 1000	7'000 m <sup>3</sup> /h	2007
		Ammonia NH <sub>3</sub>					
		Various pollutants	Horizontal	PE	RHE 1120	34'000 m <sup>3</sup> /h	2007

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### Waste Air Scrubber RECYCLAIR for various Applications



Order	Site	Pollutants	Version	Mat.	Type	Flow rate	Year
623'920	Raybestos Industrie-Produkte GmbH Morbach (DE)	Various pollutants	Vertical	PE	RVE 2500	40'000 m <sup>3</sup> /h	2007
644'080	Bioabfallvergärungsanlage, Lissabon (PT)	Ammonia NH <sub>3</sub>	Vertical	PE	RVE 2500	30'000 m <sup>3</sup> /h	2007
649'450	ALP, Posieux	Various acids	Horizontal	PP	RHE 315	2'000 m <sup>3</sup> /h	2007
650'940	TI-Group Automotive System (BE)	Cooling tower for electroplating liquide (Water, H <sub>2</sub> SO <sub>4</sub> , CuSO <sub>4</sub> )	Vertical	PE	RCE 2000	35'000 m <sup>3</sup> /h	2007
657'000	SIFAT Aeraulique, Jungholtz (FR)	Ammonia NH <sub>3</sub>	Vertical	PE	RVE 800	4'000 m <sup>3</sup> /h	2007
664'990	Synthes AG, Grenchen	Various acids	Horizontal	PP	RHE 315	3'300 m <sup>3</sup> /h	2008
665'640	Würth Elektronik, Schopfheim (DE)	Various pollutants	Vertical	PE	RVE 1500	7'500 m <sup>3</sup> /h	2008

## Waste Air Scrubber RECYCLAIR for Chemical Industry



Order	Site	Pollutants	Version	Mat.	Type	Flow rate	Year
271'710	EMS-Patvag (CH)	Isopropanol	Vertical	PP	RVE 1000	4'300 m <sup>3</sup> /h	1995
	Novartis (CH)		Vertical	PP	RVE 1000	3'000 m <sup>3</sup> /h	1999
313'890	Sandvik (SE)	Various	Horizontal 2-stage	PVC	RHZ 500	6'250 m <sup>3</sup> /h	1999
312'660	Chalmers (SE)	Various	Horizontal 1-stage	PP	RHE 1120	27'250 m <sup>3</sup> /h	1999
		Various	Horizontal 1-stage	PP	RHE 710	16'400 m <sup>3</sup> /h	1999
	Strand (SE)	Various	Horizontal 1-stage	PP	RHE 500	4'500 m <sup>3</sup> /h	1999
314'250	AstraZeneca (SE)	Hydrochloric acid, Sulphur acid	Vertical	PP	6xRVE 1000 spec.	je 500 m <sup>3</sup> /h	2000
318'880	Sandvik (SE)	Various (trial plant)	Vertical	GFK/ PP	RVE 630 spec.	1'500 m <sup>3</sup> /h	2000
320'500	Orgamol SA	Solvent	Vertical	PE	RVE 710	2'500 m <sup>3</sup> /h	2000
320'410	Evionnaz (CH)	Solvent	Vertical	PE	RVE 1000	6'000 m <sup>3</sup> /h	2000
321'400	Novartis (CH)		Vertical	PP	RVE 800 spec.	2'500 m <sup>3</sup> /h	2000
321'880	Biogasplant Herlev (DK)	Hydrogen sulphide H <sub>2</sub> S	Vertical	PE	RVE 1750	12'000 m <sup>3</sup> /h	2000
407'200	Dynamit Nobel (DE)	NO <sub>2</sub>	Vertical	PP	RVE 560	1'530 m <sup>3</sup> /h	2001
347'300	Merck Eprova AG (CH)	Various	Vertical 3-stage ausbaubar	PP	RVE 200 spec.	150 m <sup>3</sup> /h	2002
549'590	Amcis AG, Wirkstoffproduktion	Various acids, solvent	Vertical	PPs-el	RVZ 315	300 m <sup>3</sup> /h	2004
573'280	Rohm and Haas France (FR)	Hydrochloric acid HCl	Vertical	PE	RVE 1800 spec.	21'800 m <sup>3</sup> /h	2004
608'400	Sniace, Torrelavega (ES)	Hydrogen sulphide H <sub>2</sub> S	Vertical	PE	3xRVE 8500 spec.	78'600 m <sup>3</sup> /h	2006
608'410		Carbon disulfide CS <sub>2</sub>	Vertical	PE	1xRVE 8500 spec.	78'600 m <sup>3</sup> /h	2008
623'170	Roche, Kaiseraugst	Ammonia NH <sub>3</sub>	Vertical	PE	RVE 1600 spec.	15'000 m <sup>3</sup> /h	2007
627'400	Cerbios Pharma, Barbengo	Various	Vertical	PPs-el	RVE 315 spec.	400 m <sup>3</sup> /h	2007
637'540	Roche, Kaiseraugst	Ammonia NH <sub>3</sub>	Vertical	PE	RVE 1000	6'000 m <sup>3</sup> /h	2007
646'590	Cendres & Métaux, Biel (CH)	Various acids	Vertical	PP	RVE 710	3'000 m <sup>3</sup> /h	2007
664'110	BASF, Ludwigshafen am Rhein (DE)	Hydrogen sulphide H <sub>2</sub> S Carbon disulfide CS <sub>2</sub>	Vertical	PE	RVE 8500	57'000 m <sup>3</sup> /h	2008

## Abluftreinigungsanlagen RECYCLAIR in Food Industry



Order	Site	Pollutants	Version	Mat.	Type	Flow rate	Year
300'450	Haco AG (CH)	Hydrochloric acid HCl, odours	Vertical	PP	RVE 1500	10'000 m <sup>3</sup> /h	1998
313'920	Neue Hewa AG (CH)	Exhaust air of meat fumigating plant	Horizontal 1-stage	PP	RHE 500	2'000 m <sup>3</sup> /h	1999
401'860	Adelholzener Alpenquelle (DE)	Peracetic C <sub>2</sub> H <sub>4</sub> O <sub>3</sub>	Vertical	PP	RVE 710 spec.	2'500 m <sup>3</sup> /h	2000
407'150	Eaux mineral de St. Alban (FR)	Peracetic acid	Vertical	PP	RVE-k 710	2'500 m <sup>3</sup> /h	2001
332'480	Agrana, Linz (AT)	Various	Horizontal 1-stage	PP	RHG 630	10'500 m <sup>3</sup> /h	2001
336'670	Haco AG (CH)	Hydrochloric acid HCl	Horizontal 1-stage	PP	RHG	10'000 m <sup>3</sup> /h	2001
422'260	Glaxo (GB)	Peracetic acid	Vertical	PP	RVE-k 1000	6'000 m <sup>3</sup> /h	2004
424'330	Adelholzen (DE)	Peracetic acid	Vertical	PP	RVE-k 1000	6'000 m <sup>3</sup> /h	2005
568'730	Coca Cola Enterprise (GB)	Peracetic acid	Vertical	PP	RVE-k 1000	6'300 m <sup>3</sup> /h	2005
583'360	Schweizer Rheinsalinen (CH)	Sodium chloride	Vertical	PP	RVE 1750	20'000 m <sup>3</sup> /h	2005
			Vertical	PP	RVE 1500	15'000 m <sup>3</sup> /h	2005
601'600	Schweizer Rheinsalinen (CH)	Sodium chloride	Vertical	PP	RVE 3000	62'000 m <sup>3</sup> /h	2006
			Vertical	PP	RVE 2750	46'000 m <sup>3</sup> /h	2006
605'780	Kneuss AG, Mägenwil (CH)	Various	Horizontal 1-stage	PE	RHE 500	6'000 m <sup>3</sup> /h	2006
645'060	Coca Cola Enterprise, Socx (FR)	Peracetic acid	Vertical	PP	RVE-k 1250	8'400 m <sup>3</sup> /h	2007