

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location..... 11480 Potsdam (Germany)
Application..... Servicing and upgrading of exhaust air filter system pumping station
Solution..... Installation of a new ventilator, removal of conventional biofilter media, Installation UgnCleanPellets®
Flow rate..... 150 m³/h
Operation..... 2022 (Project 2022_010W)



Location..... 86316 Friedberg (Germany)
Application..... Elimination of unpleasant odors at a vacuum pumping station
Solution..... Installation grating and UgnCleanPellets S1.0 in existing exhaust duct
Flow rate..... 200 m³/h
Operation..... 2022 (Project 2022_008)



Location..... 07318 Saalfeld (Germany)
Application..... Supply air system with heating register, fan and filter as well as plastic duct, installed in the outside area
Solution..... Supply air unit with control cabinet
Flow rate..... 3000 m³/h
Operation..... 2022 (Project 2022_005)



Location..... Alexandria (Egypt)
Application..... Exhaust air treatment system for reduction of odors from a sewage pumping station in Alexandria
Solution..... Hybride filter - module type M
Flow rate..... 15 m³/h
Operation..... 2023 (Project 2022_004)

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location.....06636 Burgscheidungen (Germany)
Application..... Installation of a hybride filter for the Treatment of the exhaust air from the pumping station
Solution.....Hybride filter – module type XXL
Flow rate..... 1000 m³/h
Operation..... 2023 (Project 2022_002)



Location..... 93413 Cham (Germany)
Application..... Exhaust air cleaning system for industrial process
Solution..... Scrubber including droplet separator, water neutralization, fan and control cabinet
Flow rate..... 7000 m³/h
Operation..... 2022 (Project 2021_011)



Location.....07570 Wünschendorf (Germany)
Application..... Modification of an exhaust air system
Solution..... Installation of new pipelines made of plastic material
Flow rate.....
Operation..... 2021 (Project 2021_008)



Location..... 14547 Beelitz (Germany)
Application..... Installation of hybride filter for the treatment of exhaust air from the faecal sludge storage facility
Solution.....Hybride filter – module type L Jumbo
Flow rate..... 200 m³/h
Operation..... 2022 (Project 2021_007)

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location..... 14547 Beelitz (Germany)
Application..... Exhaust air treatment system for waste water screen and aerated sand trap
Solution..... Hybride filter – module type XXL
Flow rate..... 700 m³/h
Operation..... 2022 (Project 2021_006)



Location..... 06618 Naumburg (Germany)
Application..... Modification of the screening system with the renewal of the intake structure, installation of a biofilter
Solution..... Biofilter - module BFMS incl. Humidifier unit
Flow rate..... 4000 m³/h
Operation..... 2021 (Project 2021_005)



Location..... 06618 Naumburg (Germany)
Application..... Exhaust air cleaning at a inlet pumping station at waste water treatment plant
Solution..... Hybride filter – module type eco 1000-ERM
Flow rate..... 60 m³/h
Operation..... 2021 (Project 2021_005)



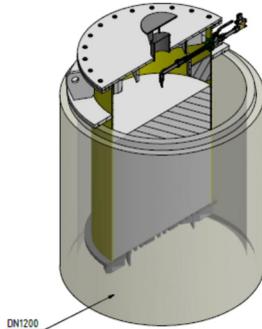
Location..... 04575 Neukieritzsch (Germany)
Application..... Industrial exhaust air cleaning for soil remediation plant
Solution..... Replacement of 6 activated carbon filters made of PPs
Flow rate..... 5000-10000 m³/h;
Operation..... 2020 (Project 2020_024)

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location.....85774 Unterföhring (Germany)
Application..... Exhaust air purification in existing shaft construction

Solution..... Hanging filter cartridge

Flow rate..... 100 m³/h

Operation..... 2020 (Project 2020_009)



Location.....Schönefeld OT Waltersdorf (Germany)

Application..... Exhaust air treatment at wastewater treatment plant

Solution.....Hybride filter – module type eco 1000-ERM

Flow rate..... 75 m³/h

Operation..... 2020 (Project 2020_008)



Location.....09111 Chemnitz (Germany)

Application..... Maintenance at wet scrubber system including cleaning of plastic packing

Solution.....

Flow rate.....

Operation..... 2019 (Project 2019_021W)



Location.....31137 Hildesheim (Germany)

Application..... Concept for upgrading the exhaust air filter system at the sludge thickeners, replacement exhaust air filter system

Solution.....Hybride filter – module type XXL

Flow rate..... 1000 m³/h

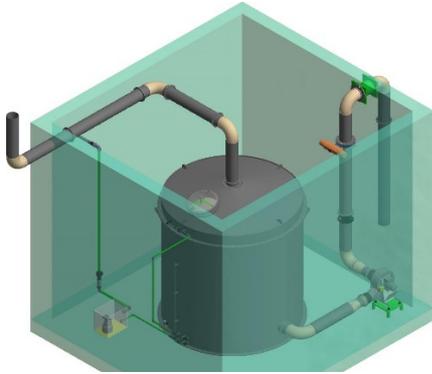
Operation..... 2022 (Project 2019_019)

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location.....14641 Wustermark OT Elstal (Germany)

Application.....Treatment of Hydrogen Sulphide laden waste air from an underground sewage pumping station

Solution.....Hybrid filter-module XXL with condensate lifting system

Flow rate..... 1.000 m³/h
100 ppm H₂S

Operation..... 2019 (Project 2018_022)



Location.....21745 Hemmoor (Germany)

Application..... Odour removal system at a sewage pumping station

Solution.....Hybrid filter-module XL

Flow rate..... 300 m³/h
50 ppm H₂S

Operation..... 2019 (Project 2018_047)



Location.....21729 Freiburg (Elbe) (Germany)

Application..... Exhaust air treatment at wastewater treatment plant

Solution.....Hybrid filter-module XLJ

Flow rate..... 800 m³/h
10 ppm H₂S

Operation..... 2019 (Project 2018_054)



Location.....08393 Oberschindmaas (Germany)

Application..... Exhaust air treatment at an hydrolysis tank on a biogas plant

Solution.....Hybrid filter-module XL

Flow rate..... 200 m³/h

Operation..... 2018 (Project 2018_011)

EXHAUST AIR TREATMENT

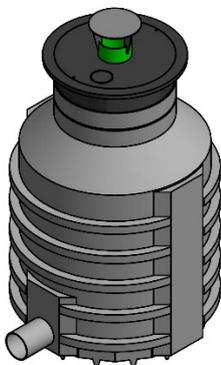
Reference list



UGN
UMWELTECHNIK

No picture available

Location.....23970 Hornstorf (Germany)
Application..... Exhaust air treatment at wastewater treatment plant
Solution Hybrid filter-module L
Flow rate 60 m³/h
200 ppm H₂S
Operation 2018 (Project 2017_019)



Location.....01099 Dresden (Germany)
Application..... Odour removal system at a sewage pumping station
Solution Hybrid filter-module eco 1000-ERM
Flow rate 50 m³/h
Operation 2018 (Project 2018_016)



Location.....09235 Burkhardtsdorf (Germany)
Application..... Odour removal on wastewater screen building at wastewater treatment plant
Solution Hybrid filter-module XLE
Flow rate 200 m³/h
500 ppm H₂S
Operation 2018 (Project 2017_038)



Location.....60265 Frankfurt am Main (Germany)
Application..... Odour removal at grease separator and sewage water lifting system in bank building
Solution Hybrid filter-module L
Flow rate 100 m³/h
100 ppm H₂S
Operation 2017 (Project 2014_033)

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location.....28832 Achim (Germany)
Application..... Treatment of Hydrogen Sulphide laden waste air from an underground sewage pumping station
Solution..... Hybrid filter-module LJ
Flow rate..... 150 m³/h
50 ppm H₂S
Operation..... 2017 (Project 2017_007)



Location..... 14542 Werder (Germany)
Application..... Improvement of exhaust air purification at the sewage treatment plant
Solution..... Hybrid surface filter with UgnCleanPellets®
Flow rate..... 5.000 m³/h
50 ppm H₂S
Operation..... 2017 (Project 2016_043)



Location..... 17235 Neustrelitz (Germany)
Application..... Odour removal on wastewater screen building at wastewater treatment plant
Solution..... Hybrid filter-module XLJ
Flow rate..... 400 m³/h
max. 1.000 ppm H₂S
Operation..... 2017 (Project 2012_030)



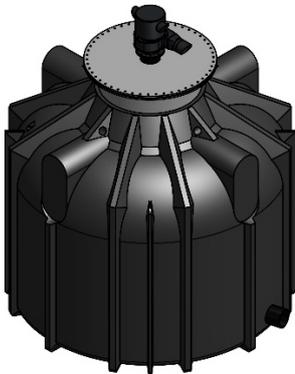
Location..... 99198 Hayn (Germany)
Application..... Exhaust air treatment at sewage water plant
Solution..... Hybrid filter-module XL
Flow rate..... 200 m³/h
50 ppm H₂S
Operation..... 2017 (Project 2017_037)

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location..... 36433 Möhra (Germany)
Application..... Odour removal at a wastewater pumping station
Solution Hybrid filter-module XLJ oasis 6000
Flow rate 200 m³/h
150 ppm H₂S
Operation 2016 (Project 2013_044)



Location..... 73770 Denkendorf (Germany)
Application..... Exhaust air purification at a pilot plant for textile fiber finishing
Solution Hybrid filter-module BEKOM H 5.0
Flow rate 60 m³/h
20.000 ppm H₂S
Operation 2016 (Project 2015_034)

No picture available

Location..... 32049 Herford (Germany)
Application..... Exhaust air purification at a sewage water plant in a textile factory
Solution Hybrid filter-module L
Flow rate 100 m³/h
Operation 2015 (Project 2015_041)



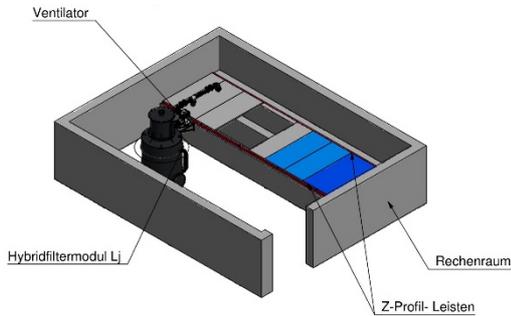
Location..... 73337 Bad Überkingen (Germany)
Application..... Exhaust air purification at a sewage water plant in a beverage bottling plant
Solution Hybrid filter-module XL
Flow rate 500 m³/h
60 ppm H₂S
Operation 2015 (Project 2014_031)

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location.....39343 Hillersleben (Germany)
Application..... Odour removal on wastewater screen building at wastewater treatment plant
Solution Hybrid filter-module LJ
Flow rate 100 m³/h
100 ppm H₂S
Operation 2015 (Project 2010_088)



Location.....04924 Bad Liebenwerda OT Zeischa
Application..... Odour removal at a wastewater pumping station
Solution Hybrid filter-module XL + AK800
Flow rate 300 m³/h
290 ppm H₂S
Operation 2014 (Project 2010_027)



Location.....14548 Ferch am Schwielowsee (Germany)
Application..... Odour removal at a wastewater pumping station
Solution Hybrid filter-module XLJ + AK800
Flow rate 300 m³/h
500 ppm H₂S
Operation 2014 (Project 2013_034)



Location.....39340 Haldensleben (Germany)
Application..... Odour removal on wastewater screen building at wastewater treatment plant
Solution Hybrid filter-module L
Flow rate 300 m³/h
100 ppm H₂S
Operation 2014 (Project 2014_014)

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location..... 60486 Frankfurt am Main (Germany)
Application..... Odour removal at grease separator and sewage water lifting system in bank building
Solution..... Hybrid filter-module L
Flow rate..... 100 m³/h
200 ppm H₂S
Operation..... 2014 (Project 2013_065)



Location..... 14542 Werder OT Glindow (Germany)
Application..... Odour removal at a wastewater pumping station
Solution..... Hybrid filter-module J oasis 6000, completely underground installation
Flow rate..... 200 m³/h
1.000 ppm H₂S
Operation..... 2013 (Project 2013_019)



Location..... 19055 Schwerin (Germany)
Application..... Treatment of Hydrogen Sulfide laden waste air from a manhole downstream of a sewer force main
Solution..... Hybrid filter-module XXL + AK 800
Flow rate..... 500 m³/h
Operation..... 2013



Location..... 39240 Gottesgnaden (Germany)
Application..... Treatment of Hydrogen Sulfide laden waste air from a sewage pumping station
Solution..... Hybrid-filer module XXL with activated carbon – module
Flow rate..... 250 m³/h
Operation..... 2013

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location.....02763 Zittau (Germany)
Application..... Retrofit of a open bed biofilter treating screening chamber waste air
Solution..... Retrofit of a open bed biofilter treating screening chamber waste air
Flow rate..... 2.500 m³/h
Operation..... 2013



Location.....07570 Wünschendorf (Germany)
Application..... Treatment of waste air from a food recycling plant
Solution..... Open bed biofilter with upstream humidifier
Flow rate..... 30.000 m³/h
Operation..... 2013



Location.....08340 Schwarzenberg (Germany)
Application..... Waste air treatment for a sewage treatment plant
Solution..... Hybrid filter-module XLJ
Flow rate..... 500 m³/h
Operation..... 2013



Location.....08340 Schwarzenberg (Germany)
Application..... Sludge thickener waste air treatment
Solution..... Hybrid filter-module XLJ
Flow rate..... 500 m³/h
Operation..... 2013

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK

No Picture available

Location.....06886 Zahna (Germany)
Application..... Exhaust air purification at a sewage pumping station
Solution..... Hybrid filter-module clearoline 2000
Flow rate..... 200 m³/h
Operation..... 2012 (Project 2011_072)



Location.....04626 Schmölln (Germany)
Application..... Treatment of hydrogen sulfide and ammonia laden waste air from a wastewater treatment plant
Solution..... 4 Hybrid filter-modules XXL
Flow rate..... 1.000 m³/h pro Filtermodul
Operation..... 2012



Location.....66450 Bexbach (Germany)
Application..... VOC-containing waste gas from a grass-plastics-pelletizing plant
Solution..... 6 Hybrid filter-modules XL-oasis with downstream humidifier
Flow rate..... 3.000 – 4.500 m³/h
Operation..... 2011



Location.....07554 Brahmenau (Germany)
Application..... Exhaust air purification at an sewage water screen plant
Solution..... Hybrid filter-module LJ
Flow rate..... 500 m³/h
50 ppm H₂S
Operation..... 2011 (Project 2011_060)

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location.....04932 Haida (Germany)
Application..... Exhaust air purification at a pneumatic sewage water pumping station
Solution..... Hybrid filter-module XLJ + AK800
Flow rate..... 200 m³/h
150 ppm H₂S
Operation..... 2011 (Project 2010_062)



Location..... 99765 Uthleben (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a manhole downstream a force main.
Solution..... Man hole filter DN 800
Flow rate..... 25 m³/h
Operation..... 2011



Location.....03222 Lehde (Germany)
Application..... Treatment of loads of sulfide, dimethyl sulfide and -disulfide as well as biologically non-degradable VOCs and malodors from a pumping station
Solution..... Hybrid filter module L Jumbo with downstream activated carbon - module
Flow rate..... 60 m³/h
Operation..... 2008 / Extension 2011



Location.....21762 Otterndorf (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a manhole downstream a force main.
Solution..... 2 Hybrid filter modules XL
Flow rate..... 1.500 m³/h
Operation..... 2010

EXHAUST AIR TREATMENT

Reference list



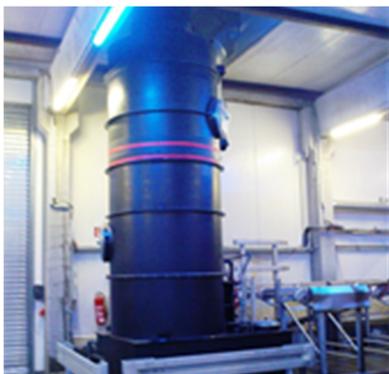
UGN
UMWELTECHNIK



Location.....14480 Potsdam (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a pumping station
Solution.....Hybrid filter cartridge DN 600
Flow rate..... max. 30 m³/h
Operation..... 2010



Location.....30419 Hannover (Germany)
Application.....Hybrid pipe-filter DN 400
Solution.....Hybrid pipe-filter DN 400
Flow rate..... 20 m³/h
Operation..... 2010



Location.....15711 Königs Wusterhausen (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a poultry processing plant
Solution.....Wet scrubber
Flow rate..... 30.000 m³/h Abluft
Operation..... 2010



Location.....07138 Saalfeld-Köditz (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from sludge dewatering
Solution.....Hybrid filter module XL
Flow rate..... 600 m³/h
Operation..... 2003 / modification 2010

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location.....01139 Dresden-Kaditz (Germany)
Application..... Removal of H₂S and odours coming from centrate basin at sludge handling plant
Solution..... Hybrid filter module XL
Flow rate..... 350 m³/h
Operation..... 2009



Location.....09514 Lippersdorf (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a vacuum - pumping station
Solution..... Hybrid filter module M
Flow rate..... max. 150 m³/h
Operation..... 2009



Location.....06217 Merseburg-Süd (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a pumping station
Solution..... Hybrid filter module L
Flow rate..... max. 60 m³/h;
H₂S-Frachten bis 60 ppm
Operation..... 2009



Location.....09575 Eppendorf (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a sludge storage chamber
Solution..... Hybrid filter module XL
Flow rate..... 1.250 m³/h
Operation..... 2009

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location.....04932 Präsen (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a pumping station
Solution Hybrid filter module M
Flow rate 70 m³/h
Operation 2009



Location.....04910 Elsterwerda Promenade (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a manhole downstream a force main
Solution Hybrid filter module L Jumbo
Flow rate 250 m³/h
Operation 2009



Location.....08233 Treuen (Germany)
Application..... Cyanide containing waste gas from flame bonding processes (textile finishing)
Solution wet scrubber + hybrid filter module
Flow rate max. 15.000 m³/h
Operation 2008



Location.....08491 Netzschkau (Germany)
Application..... Cyanide containing waste gas from flame bonding processes (textile finishing)
Solution wet scrubber + hybrid filter module
Flow rate max. 15.000 m³/h
Operation 2008

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location.....38723 Rüden-Seesen (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a force main – gravity pipeline junction
Solution..... Hybrid filter module S + Hybrid filter module L
Flow rate..... 50 m³/h bzw. 500 m³/h
Operation..... 2008



Location.....07987 Mohlsdorf (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a sludge storage chamber and grit housing
Solution..... Biofilter – module XL
Flow rate..... max. 800 m³/h
Operation..... 2008



Location.....06636 Tröbsdorf (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a pump receiver
Solution..... Biofilter – module XL
Flow rate..... 900 m³/h
Operation..... 2008



Location.....39340 Althaldensleben (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a pump receiver
Solution..... Biofilter – module L Jumbo
Flow rate..... 380 m³/h,
50 ppm H₂S
Operation..... 2008 / extension 2018

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location.....39345 Planken-Neuenhofe (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a pumping station
Solution Hybrid filter module M
Flow rate..... 30 m³/h
Operation..... 2008



Location.....14480 Potsdam (Germany)
Application..... Treatment of odorous hydrogen sulfide and VOC laden exhaust air from a pump station
Solution Hybrid filter-module L for H₂S + Hybrid filter-module L with UgnCleanPellets® C 1.0 for VOC
Flow rate..... 100 m³/h
Operation..... 2008



Location.....26169 Friesoythe (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a sewage collector pipe
Solution Hybrid filter module M
Flow rate..... 150 m³/h
Operation..... 2008



Location.....Dubai
Application..... Hydrogen sulfide laden waste air treatment downstream a wet scrubber for exhaust air from a sewage pump station.
Solution 2x Biofilter module XL
Flow rate..... 2.500 m³/h
100 ppm H₂S
Operation..... 2007

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location.....60327 Frankfurt am Main (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a hotel off-grid wastewater treatment plant.
Solution.....Biofilter module M
Flow rate..... 50 m³/h
Operation..... 2007



Location.....24558 Henstedt-Ulzburg (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a force main terminal manhole
Solution.....Hybrid filter module M
Flow rate..... 150 m³/h
Operation..... 2007



Location.....04838 Eilenburg Mitte (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a pump station
Solution.....Hybrid filter module L
Flow rate..... 300 m³/h
300 ppm H₂S
Operation..... 2007



Location.....22844 Norderstedt (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a pump-receiver
Solution.....Hybrid filter module M
Flow rate..... 150 m³/h
Operation..... 2007

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location..... Ungarn
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from foil printer
Solution..... Hybrid filter module L
Flow rate..... Teilstrom 500 m³/h
Operation..... 2007



Location..... 60313 Frankfurt am Main (Germany)
Application..... Skimming tank and syphoning plant aeration for an off-grid small scale wastewater treatment plant
Solution..... Pipe-filter DN 250
Flow rate..... 20 m³/h
Operation..... 2007



Location..... 14827 Wiesenburg-Mark (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from sludge storage container and grit housing
Solution..... Hybrid pipe filter DN 400
Flow rate..... 80 m³/h
Operation..... 2007



Location..... 24118 Kiel (Germany)
Application..... Aeration and exhaust air treatment for a skimming tank – sewage duct junction.
Solution..... Hybrid filter module M
Flow rate..... 150 m³/h
Operation..... 2007

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location..... 98701 Großbreitenbach (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a sludge storage tank
Solution..... 2 Biofilter – module L
Flow rate..... 2x 500 m³/h
Operation..... 2006



Location..... 32049 Herford (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a off-grid wastewater treatment plant
Solution..... Biofilter – module L
Flow rate..... 250 m³/h
Operation..... 2006



Location..... 01920 Räckelwitz (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a force main – gravity pipeline junction and grit housing
Solution..... Biofilter – module L
Flow rate..... max. 60 m³/h,
700 ppm H₂S
Operation..... 2006



Location..... 04105 Leipzig (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a force main – gravity pipeline junction
Solution..... Biofilter – module L
Flow rate..... max. 100-500 m³/h;
400-850 ppm H₂S
Operation..... 2004

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location.....76131 Forschungszentrum Karlsruhe
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a research fermentation tank
Solution..... Biofilter – module S
Flow rate..... 50 m³/h
Operation..... 2004



Location.....07366 Blankenstein (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a lime-slurry processing pilot-plant
Solution..... Biofilter – module L
Flow rate..... max. 250 m³/h
Operation..... 2003



Location.....07318 Saalfeld/Saale (Germany)
Application..... Treatment of odorous hydrogen sulfide laden exhaust air from a smokehouse
Solution..... activated carbon – module L
Flow rate..... 500 m³/h
Operation..... 2002