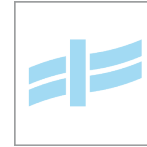
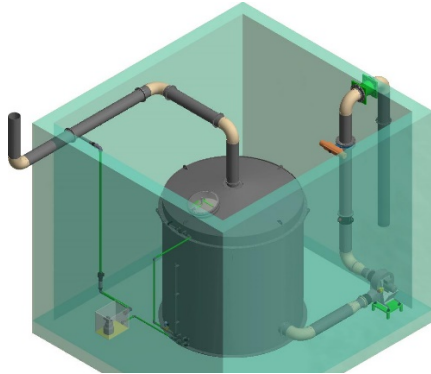


EXHAUST AIR TREATMENT

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

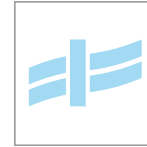
Solution.....Hybrid filter-module XL

Flow rate..... 200 m³/h

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

EXHAUST AIR TREATMENT

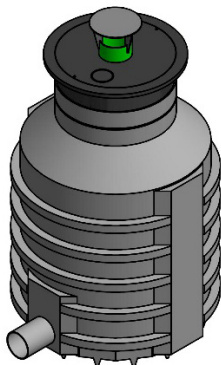
Reference list



UGN
UMWELTECHNIK

No picture available

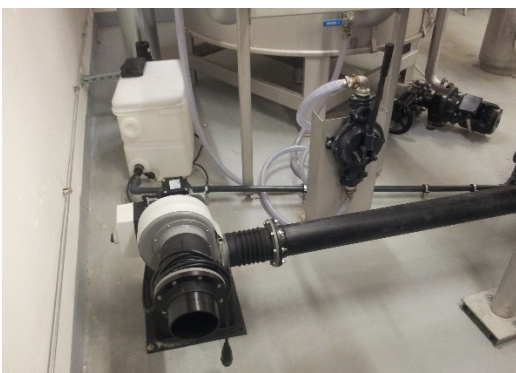
Location.....23970 Hornstorf (Germany)
Application.....Exhaust air treatment at wastewater treatment plant
Solution.....Hybrid filter-module L
Flow rate..... 60 m³/h
200 ppm H₂S
Operation..... 2018 (Project 2017_019)



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)



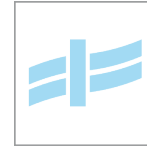
Location.....09235 Burkhardtsdorf (Germany)
Application.....Odour removal on wastewater screen building at wastewater treatment plant
Solution.....Hybrid filter-module XLE
Flow rate..... 200 m³/h
500 ppm H₂S
Operation..... 2018 (Project 2017_038)



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)



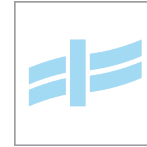
Location.....17235 Neustrelitz (Germany)
Application.....Odour removal on wastewater screen building at wastewater treatment plant
Solution.....Hybrid filter-module XLJ
Flow rate..... 400 m³/h
max. 1.000 ppm H₂S
Operation..... 2017 (Project 2012_030)



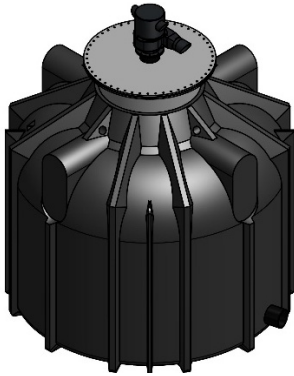
Location.....99198 Hayn (Germany)
Application.....Exhaust air treatment at sewage water plant
Solution.....Hybrid filter-module XL
Flow rate..... 200 m³/h
50 ppm H₂S
Operation..... 2017 (Project 2017_037)

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

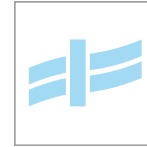
Solution.....Hybrid filter-module XL

Flow rate..... 500 m³/h
60 ppm H₂S

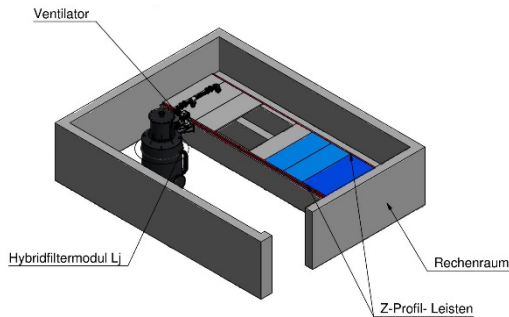
Operation..... 2015 (Project 2014_031)

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)



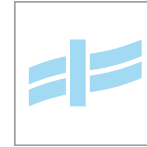
Location.....14548 Ferch am Schwielowsee (Germany)
Application.....Odour removal at a wastewater pumping station
Solution.....Hybrid filter-module XLJ + AK800
Flow rate..... 300 m³/h
 500 ppm H₂S
Operation..... 2014 (Project 2013_034)



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

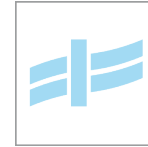
Solution..... Hybrid filter-module LJ

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



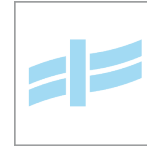
Location.....03222 Lehde (Germany)
Application.....Treatment of loads of sulfide, dimethyl sulfide and -disulfide as well as biologically non-degradable VOCs and malodors from a pumping station
Solution.....Hybrid filter module L Jumbo with downstream activated carbon - module
Flow rate..... 60 m³/h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



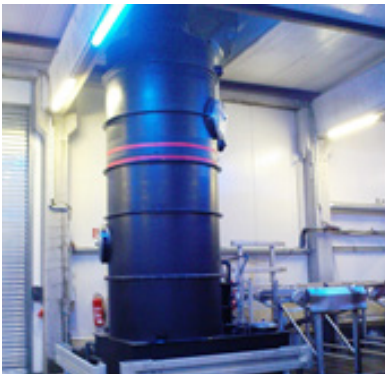
Location.....30419 Hannover (Germany)

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

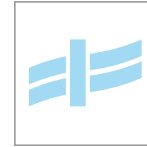
Solution.....Hybrid filter module XL

Flow rate..... 600 m³/h

Operation..... 2003 / modification 2010

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location.....01139 Dresden-Kaditz (Germany)
Application.....Abreinigung von H₂S-Frachten und
Beseitigung von Geruchsbelästigungen aus
Zentralbecken
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



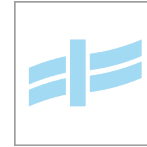
Location.....06217 Merseburg-Süd (Germany)
Application..... Treatment of odorous hydrogen sulfide
laden exhaust air from a pumping station
Solution.....Hybrid filter module L
Flow rate..... max. 60 m³/h;
H₂S-Frachten bis 60 ppm
Operation..... 2009



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



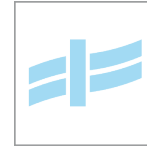
Location.....08233 Treuen (Germany)
Application.....Cyanide containing waste gas from flame bonding processes (textile finishing)
Solution.....wet scrubber + hybrid filter module
Flow rate..... max. 15.000 m³/h
Operation..... 2008



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



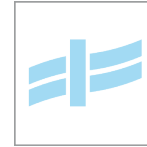
Location.....06636 Tröbsdorf (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a pump receiver
Solution.....Biofilter – module XL
Flow rate.....900 m³/h
Operation.....2008



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

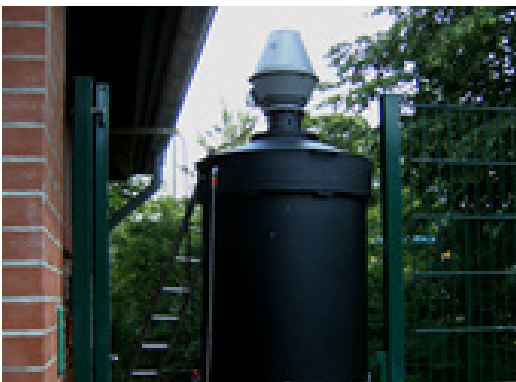
Reference list



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

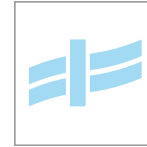
Solution.....Hybrid filter module M

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



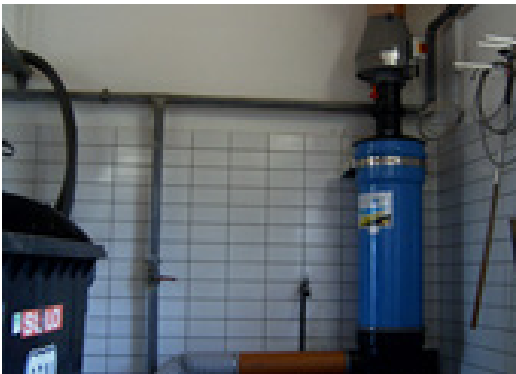
Location..... 60313 Frankfurt am Main (Germany)

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



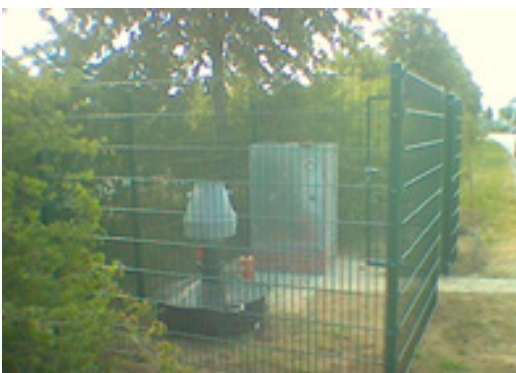
Location..... 14827 Wiesenburg-Mark (Germany)

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.

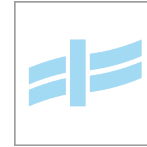
Solution..... Hybrid filter module M

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

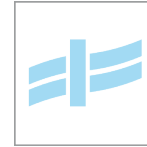
Solution..... Biofilter – module L

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