

GAS DESULPHURISATION

Reference List



UGN
UMWELTECHNIK



location 94431 Großköllnbach (Germany)

application Desulphurisation of an agricultural biogas plant

system BGM 2.500

flow rate 350 Nm³/h
Max. 220 ppm H₂S

operation 2022 (Project 2022_011)



location 26169 Friesoythe (Germany)

application Desulphurisation of an agricultural biogas plant

system BGM2.800

flow rate 500 Nm³/h
Max. 200 ppm H₂S

operation 2010 (Project 2010_032)

expansion 2022 (Project 2010_032E)



location CH-8618 Oetwill am See (Switzerland)

application Desulphurization of a biowaste fermentation plant

system BEKOM H

flow rate 100-250 Nm³/h
Max. 600 ppm H₂S

operation 2021 (Project 2021_012)



location 91781 Weißenburg (Germany)

application Desulphurisation of an agricultural biogas plant

system UGN-FM800

flow rate Max 40 Nm³/h
Max. 400 ppm H₂S

operation 2021 (Project 2021_009)

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location 20831 Seregno (Italy)
application Desulphurisation of a biomethane processing plant
system BEKOM H (with pure oxygen dosing)
flow rate 1000 1.000 Nm³/h
30 300 ppm H₂S
operation 2020 (Project 2020_021)



location 24994 Weesby (Germany)
application Desulphurisation of an agricultural biogas plant
system BGM2.000
flow rate 250 Nm³/h
Max.200 ppm H₂S
operation 2020 (Project 2020/006)



location 25926 Bramstedtlund (Germany)
application Desulphurisation of an agricultural biogas plant
system BGM2.000
flow rate 335 Nm³/h
Max. 200 ppm H₂S
operation 2020 (Project 2020/007)



location 84076 Oberlauterbach (Germany)
application Desulphurisation of an agricultural biogas plant
system BGM2.800
flow rate Max 350 Nm³/h
Max. 250 ppm H₂S
operation 2020 (Project 2020/001)

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location 25767 Albersdorf (Germany)
application Desulphurisation of an agricultural biogas plant
system BGM2.000
flow rate 390 Nm³/h
Max. 1.500 ppm H₂S
operation 2020 (Project 2020/025)



location 27524 Meckelstedt (Germany)
application Desulphurisation of an agricultural biogas plant
system BGM1.400
flow rate 50 Nm³/h
500 ppm H₂S (daily mean value)
operation 2020 (Project 2020/016)



location 59609 Anröchte (Germany)
application Desulphurisation of biogas from a composting plant
system BEKOM H 5.0
flow rate 300 Nm³/h
200 ppm H₂S (daily mean value)
operation 2020 (Project 2018/030)



location 09306 Erlau (Germany)
application Desulphurisation of an agricultural biogas plant
system BEKOM H 10.0
flow rate 225 Nm³/h
500 ppm H₂S (daily mean value)
operation 2020 (Project 2020/014)

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location 8833 Samstagern (Switzerland)
application Desulphurisation of biogas from a composting plant
system BEKOM H 5.0 VA
flow rate 80...160 Nm³/h
Max. 500 ppm H₂S
operation 2021 (Project 2019/006)



location 91598 Colmberg (Germany)
application Desulphurisation of an agricultural biogas plant
system BGM1.000
flow rate 30...40 m³/h
1500...1700 ppm H₂S
operation 2020 (Project 056/18)



location 78224 Singen (Germany)
application Desulphurization of a biowaste fermentation plant
system BEKOM H 25.0 Duo
flow rate 500 - 1.500 Nm³/h
200 - 500 ppm H₂S
operation 2019 (Project 041/17)



location 14806 Bad Belzig, OT Schwanebeck (Germany)
application Desulphurization of a biowaste fermentation plant
system BEKOM H 12.0
flow rate 450 Nm³/h (daily mean value)
500 ppm H₂S (daily mean value)
operation 2019 (Project 011/19)

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location 04720 Großweitzschen/OT Westewitz (Germany)
application Desulphurisation of an agricultural biogas plant
system BEKOM H plant 12.0
flow rate 400 Nm³/h (daily mean value)
600 ppm H₂S (daily mean value)
operation 2019 (Project 004/19)



location 1373 Chavornay (Switzerland)
application Biogas desulphurisation of a composting plant
system BEKOM H plant 6.0
flow rate 300 Nm³/h
100 - 300 ppm H₂S (daily mean value)
operation 2019 (Project 045/18)



location 14913 Meinsdorf (Germany)
application Desulphurisation of an agricultural biogas plant
system 2 x BEKOM H-plant 5.0
flow rate each plant ... 500 m³/h
each plant ... max. 100 ppm H₂S
operation 2019 (Project 055/18)



location 5313 Klingnau (Switzerland)
application Desulphurization of an agricultural biogas plant
system BEKOM H-plant 6.0
flow rate 300 Nm³/h
100 - 300 ppm H₂S
operation 2019 (Project 044/18)

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location 93410 San Luis Obispo AD (USA)
application Desulphurization of a biowaste fermentation plant
system BEKOM H-plant 5.0
flow rate 400 m³/h
400 – 600 ppm H₂S
operation 2018 (Project 052/16)



location 17179 Altkalen OT Lüchow (Germany)
application Desulphurization of an agricultural biogas plant
system BEKOM H 12.0
flow rate 400 – 1.100 Nm³/h
450 ppm H₂S
operation 2018 (Project 046/18)



location 98660 Ehrenberg (Germany)
application Desulphurization of an agricultural biogas plant
system UGN®-BEKOM H system with 2 biogas filter modules
flow rate max. 250 Nm³/h
10 ppm H₂S
operation 2018 (Project 007/18)



location 84070 Pfeffenhausen (Germany)
application Desulphurization of an agricultural biogas plant
system 2 x BEKOM H 12.0
flow rate each plant ... 300 Nm³/h
each plant ... 300 ppm H₂S
operation 2017 und 2018 (Project 016/17 and 016E/17)

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location 48465 Ohne (Germany)

application Desulphurization of an agricultural biogas plant

system BEKOM H 7.0

flow rate 200 Nm³/h
400 ppm H₂S

operation 2017 (Project 022/15)



location 90556 Cadolzburg (Germany)

application Desulphurization of a biogas plant that runs on renewable sources

system BEKOM 5.0

flow rate 1.500 m³/h
150 ppm H₂S

operation 2017 (Project 060/12)



location 6242 Wauwil (Switzerland)

application desulphurization of a biowaste fermentation plant

system BEKOM H 5.0

flow rate jeweils 125 - 250 Bm³/h
500 - 1.350 ppm H₂S

operation 2017 (Project 037/16)



location 06528 Edersleben (Germany)

application Desulphurization of an agricultural biogas plant

system BEKOM H 5.0

flow rate jeweils 250 Nm³/h
500 ppm H₂S

operation 2016 (Project 036/16)

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location 63-200 Jarocin (Poland)
application Desulphurization of a waste management plant
system BEKOM H 4.0
flow rate 220 Nm³/h
400 ppm H₂S
operation 2016 (Project 032/15)



location 06061 Castiglione del Lago (Italy)
application Desulphurisation of an agricultural biogas plant
system BEKOM H 10.0
flow rate 145 m³/h
1.500 – 2.000 ppm H₂S
operation 2016 (Project 027/15)



location 40062 Molinella (Italy)
application Desulphurisation of an agricultural biogas plant
system BEKOM H 5.0
flow rate 110 m³/h
1.000 ppm H₂S
operation 2016 (Project 027/15)



location 19258 Boizenburg/Elbe (Germany)
application Sewage gas desulphurization (sewage plant)
system BEKOM H 4.0
flow rate 120 Nm³/h
1.700 ppm H₂S
operation 2016 (Project 001/15)

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location 24392 Süderbrarup (Germany)
application Desulphurization of an agricultural biogas plant
system 2 x BEKOM H 2.5
flow rate Each plant 250 Nm³/h
50 ppm H₂S
operation 2015 (Project 019/15 and 020/15)



location 73479 Ellwangen-Pfahlheim (Germany)
application Desulphurization of an agricultural biogas plant
system BEKOM H 10.0
flow rate 250 Nm³/h
1.000 ppm H₂S
operation 2015 (Project 002/15)



location 37688 Beverungen-Wehrden (Germany)
application Desulphurization of an agricultural biogas plant
system BEKOM H 1.5
flow rate 80 Nm³/h
750 ppm bis 1.500 ppm H₂S
operation 2015 (Project 003/15)



location 07778 Zimmern (Germany)
application Desulphurization of an agricultural biogas plant
system BEKOM H 7.0
flow rate 280 Nm³/h
bis 400 ppm H₂S
operation 2014 (Project 019/14)

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location 43052 Colorno (Italy)
application Desulphurization of an agricultural biogas plant
system BEKOM H 10.0
flow rate 170 Nm³/h bis 250 Nm³/h
2.500 bis 5.000 ppm H₂S
operation 2014 (Project 028/14)



location 61194 Ilbenstadt (Germany)
application Desulphurization of a biowaste management plant
system BEKOM H 10.0
flow rate 500 Nm³/h
bis 750 ppm H₂S
operation 2014 (Project 008/14)



location 29379 Wittingen (Germany)
application Desulphurization of an agricultural biogas plant
system BEKOM H 10.0
flow rate 500 Nm³/h bis 1.500 Nm³/h
bis 100 ppm H₂S
operation 2014 (Project 009/14)



location 97359 Münsterschwarzach (Germany)
application Desulphurization of an agricultural biogas plant
system BEKOM H 4.0
flow rate 200 Nm³/h
bis 500 ppm H₂S
operation 2014 (Project 079/13)

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location 97493 Bergheim (Germany)
application Desulfurization of a waste fermentation plant
system BEKOM H 10.0
flow rate 400 Nm³/h
500 bis 1.000 ppm H₂S
operation 2014 (Project 032/13)



location 85134 Stammham (Germany)
application Desulfurization and precipitation of essential oils of a biowaste fermentation plant
system BEKOM H 4.0
flow rate 200 Nm³/h
bis 500 ppm H₂S
operation 2013 (Project 028/13)



location 84088 Neufahrn (Germany)
application Desulfurization of an agricultural biogas plant
system BEKOM H 10.0
flow rate 240 Nm³/h
bis 1.000 ppm H₂S
operation 2013 (Project 009/13)



location 25709 Kronprinzenkoog (Germany)
application Desulfurization of an agricultural biogas plant
system BEKOM H 10.0
flow rate 400 Nm³/h
bis 400 ppm H₂S
operation 2013 (Project 063/12)

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location 81010 Dragoni (Italy)
application Desulphurization of an agricultural biogas plant
system BEKOM H 1.5
flow rate 50 Nm³/h
 bis 750 ppm H₂S
operation 2013 (Project 008/13)



location 36251 Bad Hersfeld (Germany)
application Desulphurization upstream of a Power to Gas plant
system BEKOM 2.0
flow rate 100 Nm³/h
 bis 1.000 ppm H₂S
operation 2013 (Project 019/12)



location 93345 Haussen (Germany)
application Desulphurization of an agricultural biogas plant
system BEKOM H 10.0
flow rate 200 Nm³/h
 bis 500 ppm H₂S
operation 2012 (Project 012/12)



location Skövde (Sweden)
application Off-Gas desulphurization downstream of biomethane purification
system BEKOM H 7.0
flow rate 800 Nm³/h
 bis 100 ppm H₂S
operation 2012 (Project 100/11)

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location 59964 Medebach, 36251 Bad Hersfeld,
92444 Hermannsbrunn, 92421 Schwandorf,
(Germany), 27014 Genzone (Italy)

application Desulphurization of an agricultural biogas plant

system BEKOM H 1.0

flow rate 25 – 50 m³/h

operation 2011/2012 (Project 091/11)



location 07952 Unterreichenau (Germany)

application Desulphurization of an agricultural biogas plant

system BEKOM H 7.0

flow rate 200 Nm³/h
bis 300 ppm H₂S

operation 2011 (Project 029/11)



location 76646 Bruchsal (Germany)

application Fine-desulphurization of an agricultural biogas plant

system BEKOM H 10.0

flow rate 400 Nm³/h
bis 100 ppm H₂S

operation 2011 (Project 040/11)



location 99086 Erfurt (Germany)

application Desulphurization of a waste fermentation plant

system BEKOM 10.0

flow rate 200 Nm³/h
5.000 ppm bis 24.000 ppm

operation 2011 (Project 019/11)

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location 74635 Kupferzell (Germany)
application Desulphurization of an agricultural biogas plant (bioenergy village)
system BEKOM H 4.0
flow rate 300 Nm³/h
bis 200 ppm H₂S
operation 2011 (Project 006/11)



location 26169 Gehlenberg (Germany)
application Desulphurization of a waste fermentation plant
system BEKOM H 20.0
flow rate 880 Nm³/h
400 ppm bis 4.000 ppm H₂S
operation 2010 (Project 032/10)



location Marquette (France)
application Off-Gas desulphurization biomethane purification; Cleaning of exhaust air from biogas desulphurization by pressure swing adsorption
system Hybridfilter modular system L Jumbo
flow rate 200 m³/h
operation 2009 (Project 025/07)



location Belize (Central America)
application sewage gas desulphurization (sewage plant)
system BEKOM H L Jumbo
flow rate Sewage gas 50 m³/h;
discontinuous 3.500 ppm H₂S
operation 2009 (Project 030/09)

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location 95126 Schwarzenbach/Saale (Germany)
application Sewage gas desulphurization of a pilot plant (Enviro)
system hybrid-biogas pipe filter DN 400
flow rate 300 l/h
operation 2008 (Project 069/08)



location 37355 Niederorschel (Germany)
application Desulphurization of an agricultural biogas plant
system BEKOM H 1.0 with replacement cartridge
flow rate 100 m³/h;
800 ppm H₂S
operation 2008 (Project 046/07)



location 04539 Groitzsch/OT Großstolpen (Germany)
application desulphurization of an agricultural biogas plant
system BEKOM 5.0
flow rate 200 m³/h;
2.400 ppm H₂S
operation 2007 (Project 023/07)
expansion 2008 (Project 089/08)