

Catalysts For Efficient and Reliable Emission Reduction



Exhaust Gas Aftertreatment

reliable • efficient • worldwide

■ General Information

Catalysts

For Efficient and Reliable Emission Reduction

Increasingly stringent emission regulations require the use of exhaust gas aftertreatment technologies for the operation of stationary gas engines. Exhaust gas catalysts play an important role in reducing harmful emissions and complying with legal limits, thus contributing to the protection of the environment.

MOTORTECH catalysts are always designed and manufactured according to customer and application requirements and guarantee a successful reduction of harmful emissions and compliance with legal limits. With different housing concepts, tailor-made catalysts or elements are created which fit perfectly into a customer plant construction or as a replacement in existing engine sites.

General Features

- Catalysts are designed and manufactured according to specific customer requirements
- Coatings are calculated and produced for each application's specifications
- Stainless steel modular construction includes nickel alloys or ceramic substrates resistant to high temperatures
- Catalysts can be supplied as complete units, elements with flanges or as replacement elements
- High quality substitute catalyst solutions are available to replace all popular catalyst brands







Technical Features

- Precise control over critical manufacturing parameters assures optimum performance and longevity
- Formulated to be durable and tolerant of common contaminants

- Coating formulations engineered for long life and strong response to chemical washings
- Each catalyst is individually serial numbered and inspected for 100% traceability

Catalyst Types

Oxidation Catalyst for CO and VOC Reduction On Lean-Burn Gas Engines

Oxidation catalysts convert carbon monoxide (CO) and volatile organic compounds (VOC's including formaldehyde) from lean-burn reciprocating engines. MOTORTECH oxidation catalysts use only platinum precious metal for high performance, long life, poison resistance, and their ability to be chemically regenerated time after time. Field proven catalyst products are available for 2-stroke and 4-stroke engines, high-propane fuels, low-BTU fuels, refinery gases, biogases and high-sulfur fuels.

3-Way (NSCR) Catalyst for NOx, CO and VOC Reduction On Rich-Burn Gas Engines

NSCR (non-selective catalytic reduction) catalysts convert nitrogen oxides (NOx), carbon monoxide (CO) and volatile organic compounds (VOC's including formaldehyde) from the exhaust of rich-burn gas engines. These engines, fueled by natural gas, wellhead gas, refinery gas and others are used in gas compression and power generation.



Individual Housing Solutions and Acoustical Silencers on Request!



■ Ordering Information

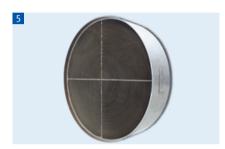












Catalysts for **GE JENBACHER®** Gas Engines

P/N	Figure	Description	Application	Cell Density	Shell		Matrix	Equivalent to
					Diameter	Depth	Depth	Equivalent to
21.02.504-30089-001E	1	Oxidation catalyst element	J312	300 cpsi	504 mm	100 mm	89 mm	EP-AL 600 (000207)
21.02.520-20213-001E	2	Oxidation catalyst element	J312	300 cpsi	520 mm	213 mm	89 mm	EP-AL 534-AWT (000165), 608158
21.02.520-20089-001E	3	Oxidation catalyst element	J312	200 cpsi	520 mm	133 mm	89 mm	EP-AL 837 (000213), 607401
21.02.518-30059-001E	4	Oxidation catalyst element	J412	300 cpsi	518 mm	100 mm	89 mm	586171
CAT03S44	5	Oxidation catalyst element	J420	200 cpsi	610 mm	133 mm	89 mm	607405







Catalysts for **MWM®** Gas Engines

P/N Figu	Figure	Description	Application	Cell Density	Shell		Matrix	Equivalent to
	rigule				Diameter	Depth	Depth	Equivalent to
CAT03S61	1	Oxidation catalyst element	TCG 2016 V08 C	300 cpsi	300 mm	89 mm	89 mm	EP-AL 300-AWT (000196)
21.01.390-20108-001-E	2	Oxidation catalyst element	TCG 2016 V12 C	200 cpsi	390 mm	133 mm	108 mm	EP-AL 400-AWT (000203)
21.01.441-20108-001E	3	Oxidation catalyst element	TCG 2016 V16 B	200 cpsi	441 mm	133 mm	114 mm	EP-AL 450-AWT (000204)

■ Ordering Information

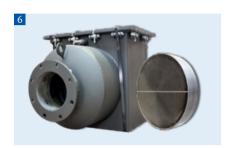












Catalysts for **MAN®** Gas Engines

P/N	Figure	Description	Application	Cell Density	Shell		Matrix	Equivalent to
					Diameter	Depth	Depth	Equivalent to
21.02.254-30089-001E	1	Oxidation catalyst element	E2876, E2848, E2842	300 cpsi	254 mm	100 mm	89 mm	EP-AL 250-AWT (000191)
21.02.310-20089-001E	2	Oxidation catalyst element	E2842	200 cpsi	310 mm	133 mm	89 mm	EP-AL 300-AWT (000196)
HOUA1005	3	Oxidation catalyst with universal flange (DN100 PN6)	universal	300 cpsi	264 mm	300 mm	89 mm	EP-AL 200-DN100 PN6 (000190)
21.02.260-20089-001E	4	Oxidation catalyst element	Agenitor 250 kW	200 cpsi	260 mm	133 mm	89 mm	
21.02.339-20089-001E	5	Oxidation catalyst element	Agenitor 400 kW	200 cpsi	339 mm	160 mm	89 mm	

Catalysts for MTU® Gas Engines

P/N	Figure	Description	Application	Cell Density	Shell		Matrix	Equivalent to
					Diameter	Depth	Depth	·
EC-1950-14-S-CS	6	Catalyst housing with flanges (DN350 PN10) and access door for installation of element P/N 21.01.495-30089-001E	12V4000 GS L32FB		518 mm	1140 mm		
21.01.495-30089-001E	6	Oxidation catalyst element, fits into housing P/N EC-1950-14-S-CS	12V4000 GS L32FB	300 cpsi	495 mm	89 mm	89 mm	
EC-2850-20-S-CS	6	Catalyst housing with flanges (DN500 PN10) and access door for installation of element P/N 21.01.724-30089-001E	20V4000 GS L32FB		724 mm	1140 mm		
21.01.724-30089-001E	6	Oxidation catalyst element, fits into housing P/N EC-2850-20-S-CS	20V4000 GS L32FB	300 cpsi	724 mm	89 mm	89 mm	



Download now!





All Products at a Glance!

For further Information about the MOTORTECH products get our product guide online.



Scan QR-Code to get to the download page



Scan QR-Code to subscribe



Once a month the latest news!

Subscription also at www.motortech.de/subscribe.html or send a short request via email: direkt@motortech.de

MOTORTECH GmbH

Hogrevestr. 21-23 29223 Celle Germany

Phone: +49 (5141) 93 99 0 Fax: +49 (5141) 93 99 99 www.motortech.de

www.motortech.de sales@motortech.de

MOTORTECH Americas, LLC

1400 Dealers Avenue, Suite A New Orleans, LA 70123 USA

Phone: +1 (504) 355 4212 Fax: +1 (504) 355 4217 www.motortechamericas.com info@motortechamericas.com

MOTORTECH Shanghai Co. Ldt.

Room 1018 Enterprise Square, No. 228 Meiyuan Road, Zhabei District, 200070 Shanghai China

Phone: +86 (21) 6380 7338 www.motortechshanghai.com info@motortechshanghai.com

P/N 01.55.009-EN | Rev. 07/2018 | Catalysts for Efficient and Reliable Emission Reduction

Copyright

The copyright for all materials used in this MOTORTECH publication is reserved. Any kind of duplication or use of objects such as pictures or texts in other electronic or printed publications without approval by MOTORTECH is not permitted.

Trademark Information

MOTORTECH products and the MOTORTECH logo are registered and/or common law trademarks of MOTORTECH GmbH.

All OEM names and part numbers shown are for reference purposes only. All trademarks, logos and symbols used or shown in this MOTORTECH publication are exclusive objects to the right of their owners and are used for reference purposes only.

Distribution: