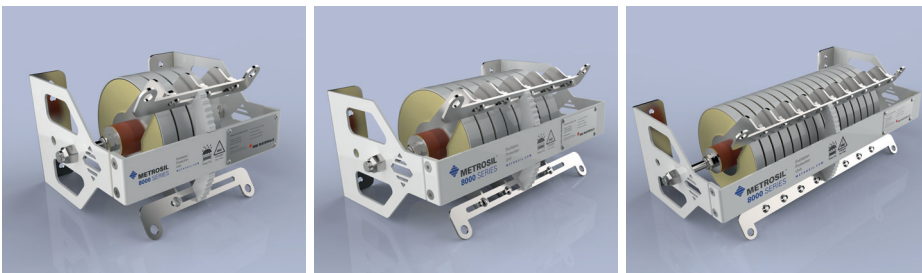


METROSIL 8000 SERIES

A new standard in excitation technology to meet the evolving needs of our customers.

Protecting valuable assets is a top priority for any business. That's why Metrosil Excitation Protection Units are trusted by industry leaders worldwide. When faults occur, our 8000 Series ensures that disruption to power generation is kept to a minimum.

The 8000 Series was created as a direct response to both client and industry needs, and consequently was developed directly with leading OEMs and industry experts. The ergonomics of the unit have been optimised for ease of installation and future-proofed to be compatible with industry developments.



METROSIL 8000 SERIES FEATURES:

- All units high energy tested to 100% of full specification – guaranteed
- High energy performance assured prior to installation
- Metrosil 'pass' badge signifies quality
- All units shipped with individual high energy test certificate

METROSIL 8000 SERIES BENEFITS:

- Ergonomic design for ease of installation
- Protective bar avoids impact damage
- Anti-tamper device ensures unit integrity
- Rating plate clearly defines unit's capabilities
- Easy access connection points
- Flexible designs to match every system
- 80 years of manufacturing excellence behind every unit

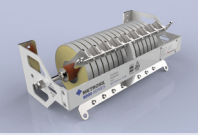
HIGH ENERGY TEST REPORT

METROSIL
HIGH ENERGY TEST
PASSED

High Energy – 8000 Series Test Report
Page 1 of 2

Test Data
Job Information
SME Number: SME0001234
Test Operator: Rowley
Set Number: 10
Test Number: 123456
Spec Issue Date: 13/11/2017
Specification: 8000 Series
Test Date & Time: 13/11/2017 11:43:45

Parameter	Results	Units
Start Current	3800	Amps
End Current	4150	Amps
Average Current	4015	Amps
Start Voltage	1120	Volts
End Voltage	1150	Volts
Average Voltage	1110	Volts
Energy	746	kJoules
Test Time	220	milliseconds



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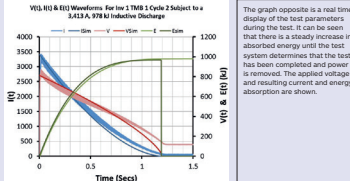
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METROSIL
HIGH ENERGY TEST
PASSED

High Energy – 8000 Series Test Report
Page 1 of 2

Test Parameter Graph for:
SME Number: SME0001234
Test Operator: Rowley
Set Number: 10
Test Number: 123456
Spec Issue Date: 13/11/2017
Specification: 8000 Series
Test Date & Time: 13/11/2017 11:43:45

For added confidence, the high energy test is performed at a level which is higher than that of the rated design.



The graph opposite is a real time display of the test parameters during the test. It can be seen that there is a steady increase in absorbed energy until the test system determines that the test has been completed and power is removed. The applied voltage and resulting current and energy absorption are shown.

Test Conducted to Metrosil Work Instruction M Proc: 003 in accordance with the test criteria stated in the above specification and SME Number.

Signed:
Quality Department, M&I Materials Ltd.
Stamp: Date: 13/11/2017

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TRUSTED BY THE LARGEST POWER STATIONS

Site	Country	Capacity (MW)
Three Gorges	China	22,500
Itaipu	Brazil/Paraguay	14,000
La Grande	Canada	12,800+
Xiluodo	China	12,600
Guri	Venezuela	10,200
Grand Coulee	USA	6,809
Xiangjiaba	China	6,400

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For further technical details about the 8000 Series, please contact the Metrosil team below:

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TECHNICAL ENQUIRIES

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