



Rev. 09/2025

**SERIES 4243
RBM CAPS
DR1™ SOLID
INHIBITOR CAPSULE**

For heating and cooling systems

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Code

42430002

DESCRIPTION

DR1™ is a solid paste form engineered scale and corrosion inhibitor for closed chilled water & heating systems, contained in a water soluble capsule manufactured from PVOH.

DR1™ contains molybdate, organic corrosion inhibitor, yellow metal inhibitor and pH buffers. DR1™ is certified as complying with: NSF Standard Specification for the Performance of Chemical Inhibitors for use in Domestic Hot Water Central Heating Systems and all applicable requirements, certificate number: 2310460.

HOW MUCH TO USE

- 3 x 30g capsules will treat 100lt of system volume
- Recommended Inhibitor Concentration 900mg/l (as product)
- Molybdate reserve as MoO4 @900mg/l = 90mg/l
- DR1 should be dosed to the system via a suitable filter device.

USE INSTRUCTIONS

Remove the water soluble capsules from the cardboard outer box, then place into the open filter device, replace lid and place filter into circulation.

Capsules will dissolve within 30 minutes in flowing hot water (60 °C) .

The system should be left circulating at operating temperature for at least 1 hour after dosing is complete to ensure effective passivation and treatment of the system.



1. Remove capsules from box



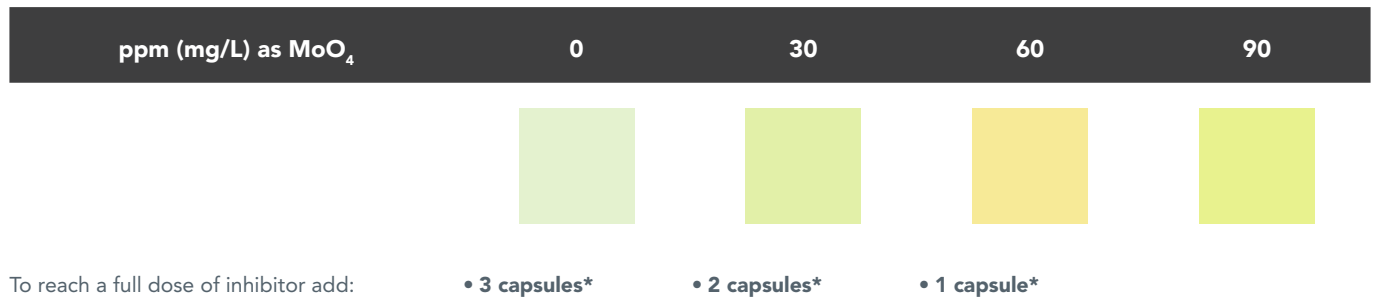
2. Add capsules to system filter



3. Dissolves within 30 minutes

TESTING & MONITORING

Dip test strip into the solution to be tested for one second and shake off excess liquid. After 10 seconds compare and match the colour to the strip of the chart.



*per 100lt of system water

PROPERTIES

Appearance	Tan – Light Brown
Odour	Mild
pH	~7.5 @1%

HANDLING AND STORAGE

DR1™ should be kept away in a cool dry area. Properly stored, the product will remain effective for 24 – 36 months. Temperature 10–35 °C / humidity <80% and managed on a FIFO basis. Consult Safety Data Sheet for further information.

SPILLAGE AND DISPOSAL

DR1™ is a solid product. In the unlikely event of a spillage, do not allow to enter water course or drains. Small spillages – dilute with plenty of water and wash to waste.

PACKAGING

DR1™ is available in easy-to-use capsules – 3 x 30g water soluble capsules enclosed in a cardboard carton.

DOSING:



Dosing	3 Caps	1 Caps	2 Caps	1 Caps
Hydraulic content	100 l	100 l	100 l	100 l
Radiant UFH system surface	100 m ²	100 m ²	100 m ²	100 m ²
Number of radiators	10	10	10	-
Number of radiators per dose	10	10	10	-

System type	Description	CAPS	Note
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New - High Temperature (radiators)

Washing +
Protective Treatment

DR1 + DR2

DR1+DR2 can be inserted at the same time because DR2 does not need to be drained

New - Low Temperature (radiant)

Washing +
Protective Treatment +
Biocide

DR1+DR2+DR4

DR1+DR2+DR4 can be inserted at the same time because DR2 does not need to be drained

Dated / heavily compromised

Washing +
Protective Treatment +
Biocide (UFH)

DR3 + DR1 + DR4

In the case of very compromised systems, washing must first be carried out with the strong DR3 cleaner, leaving it in circulation for up to a maximum of 14 days, then once drained, the system is refilled by adding the DR1 protective.
Also add DR4 if the UFH



STORAGE WARNINGS

Store the product in the closed package/container in a clean area protected from frost, moisture, exposure to sunlight, heat sources, open flames or sources of ignition. Avoid sudden temperature fluctuations by maintaining optimal temperature and humidity conditions (temperature 10-35 °C / humidity <80%). Ensure that there is no danger of damage from the presence of other miscellaneous materials or possible handling by unauthorized persons.

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