



Service News




Minor Change of Chemical

New Chemical: Boiler mate **IS-301MR** & Chemical concentration measurement kit **Silica analysis kit**

For use more **safety and easy** as chemical using every day,
and the chemical is adopted considering **Environment**.

We would like to inform you that PRTR law (Pollutant Release and Transfer Register Law) is revised (April, 2010); according to the revision of the law, condensate control ingredient morpholine in boiler mate IS-201MR and 202MR is specified as class 1 designated chemical substance of PRTR law. Miura Co., Ltd. in Japan tries not to use morpholine as chemical ingredient hereafter considering environment. Now we start minor change of boiler mate IS-MR series including condensate control ingredient, and would like to propose new water treatment procedure. Thank you very much for your understanding and cooperation.

Minor change

- * One type of IS-MR series: **IS-301MR**; it is usable regardless of specification of distilled water (Fresh water generator) and soft water.
- * **IS-301MR** contains condensate control ingredient, however, it is not applicable to PRTR law as product.
- * Scale-proof quality of **IS-301MR** is developed compared with IS-MR series now in use.
- * There is no change of procedure of injection, treatment and amount of chemical.
- * IS analysis kit that is used to measure chemical concentration until now can not be used.
Use **Silica analysis kit** for water treatment hereafter.
- * Be careful that chemical set for IS analysis kit (Part No.9523-0) is finished to be supplied.
- * Use simple water quality tester (MT-3) continuously as boiler water quality standard measurement kit.

IS-201MR, 202MR, IS analysis kit now in use

- * Performance and quality of chemical has no problem; therefore, we recommend you to use and finish IS-MR series with IS analysis kit; then, change with new chemical.
- * Refer to attachment "Manual of changeover from IS-201MR, IS-202MR to IS-301MR" for new chemical start.

Changeover Term

From July, 2010 to 30th September, 2010

Chemical Detail

	New chemical	Now in use	
Type	IS-301MR	IS-201MR	IS-202MR
Part No.	9309-0	9307-0	9308-0
Corrosion-proof quality	◎	◎	
Scale-proof quality	◎	○	
Corrosion-proof quality of condensate system	◎	◎	
Chemical Concentration Treatment	Silica analysis kit	IS analysis kit	
Part No.	9529-0	9522-0	
Basis	Alkaline agent, Volatile Dispersant, Vitamin C Natural film constituent	Alkaline agent, Volatile amine Organic acid, Saccharine Natural film constituent	
Product standard	Constituent with food	Constituent with food additive	
PRTR law (Domestic regulation)	Non-applicable	Applicable	

*PRTR: Pollutant Release and Transfer Register

This is system that requires business management to understand the amounts of chemical substances, that may be hazardous to human health and ecosystems, released and transferred in waste to the environment, and report the data to the government; moreover, the national government compiles data that business owner submitted, and makes the results in public. It is developed in national management individually.



IS-301MR



Silica analysis kit

Scan the QR code or click on the following URL for information about our service network.
<https://www.miuraz.co.jp/en/marine/service/network.html>



If you have any questions, please contact nearest MIURA's office.

We hope to receive your continuous support in the future.

Mixture of Boiler Mate IS-301MR and other chemical

Manual of changeover from IS-201MR, IS-202MR to IS-301MR

*In case of Injection to cascade tank

Add chemical to cascade tank with the same procedure now; no process in advance.

*There is no problem even chemical is mixed in boiler.

*In case of Injection to chemical feed tank

Inject IS-301MR to tank after IS-201MR or 202MR in tank is used and finished as much as possible.

When IS-201MR and IS-301MR, or IS-202MR and IS-301MR is mixed in chemical feed tank, inject much amount of IS-301MR in tank compared with IS-201MR or 202MR remained amount in tank.

<Example> In case of undiluted solution mixture

When IS-201MR remained in tank is about 4L, add IS-301MR more than 4L

<Example> In case of diluted mixture [5 times diluted of IS-201MR]

When IS-201MR remained in tank is about 5L, (Soft water 4L, 201MR 1L), add IS-301MR more than 5L of 5 times diluted solution. (Soft water 4L + IS-301MR 1L= 5L more)

In case of using Miura scale dispersant and condensate controller

In case of using IS-301MR together with chemical of other maker

When each chemical is mixed in chemical feed tank, dilute each mixed chemical more than 10 times with pure water or soft water.