

EDDY SET®

DRILLING WITH ADDITIVES

*ON THE EDDY WATER TREATMENT
SYSTEM*



FORNIA®

WHAT IS DRILLING WITH ADDITIVES?

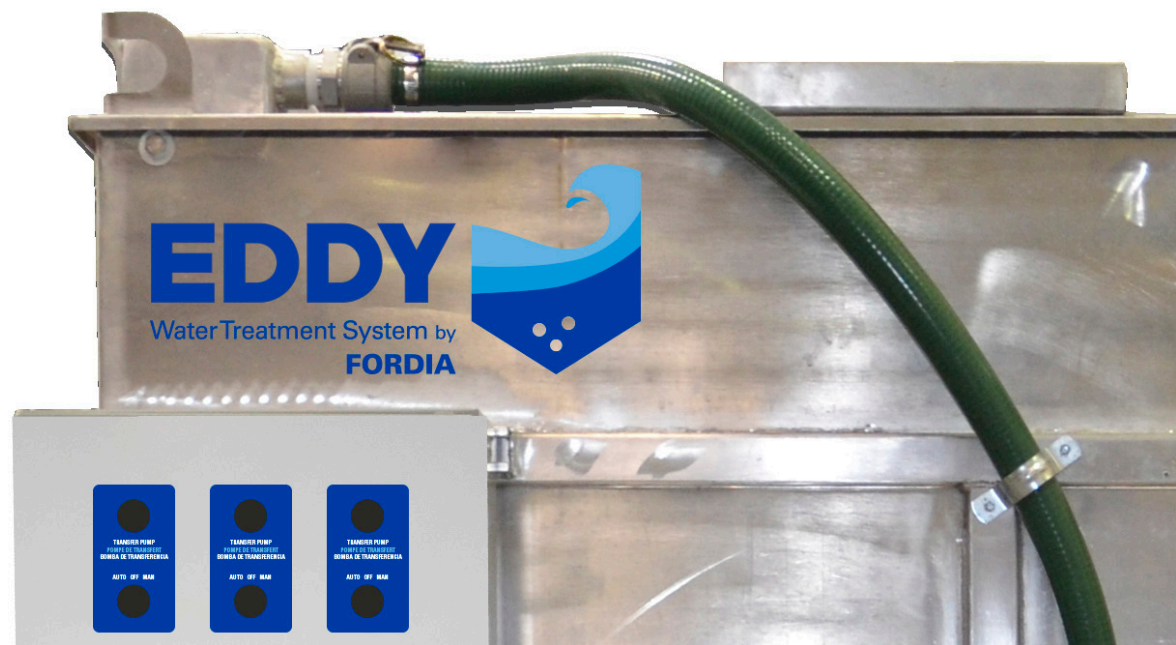
- Drilling with polymers that have been added to water.
- The amount required is calculated by measuring viscosity, using a Marsh cup and funnel.

REMINDER The viscosity of water is 28 seconds.

USING EDDY SET

- A product in liquid form
- Sold in 10 kilogram containers
- Does not require mixing with water like Eddy Flocc
- Eddy Set is only used when drilling with additives
- This product will not function when used while drilling without additives (clear water).

ATTENTION : Avoid freezing this product. If frozen, the product will lose 50% of its effectiveness.



DECANTATION TEST

During start-up and operation, it is necessary to perform decantation tests regularly to ensure the system is functioning properly.

Follow this procedure:

1. Make sure that the used drill water coming up to the system contains enough solid debris.
2. Activate the metering pump and set the injection rate to 3% according to the dial on the pump's screen.
3. Use the control panel to set the metering pump on automatic mode.

ATTENTION Make sure to check the rotation direction. (See the Operation Manual –Control Panel – Metering Pump for more information.)

4. Activate the transfer pump (in manual control) and allow it to operate for 10 seconds.
5. Take a sample of fluid from the entrance of the settling tank.

The sample should give the following results:



In the above photo, you can see that the solids have settled to the bottom of the container. This is the result you should obtain after 15-20 seconds.

If you do not achieve these results, test the viscosity of the fluid in the suspension tank. If the viscosity is more than 30 seconds, you may not have injected enough Eddy Set. Gradually increase the injection ratio (%) on the metering pump.

When decantation is working well, use the control panel to go to automatic mode on the metering pump and the transfer pump, if not already done.

Continue performing regular decantation tests on the output, as well as viscosity tests on the incoming fluid, to make sure the operation is well monitored.

ADJUSTING AND CONTROLLING INJECTION

- Is done by % of injection.
- Percentage of Eddy Set is calculated with the decantation test.
- If decantation is not optimal, you must increase the % of Eddy Set injection.

ATTENTION Too much Eddy Set could lead to flocculation of the drilling solids in the hole, causing problems.



EDDY SET

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