# NEWSLETTER

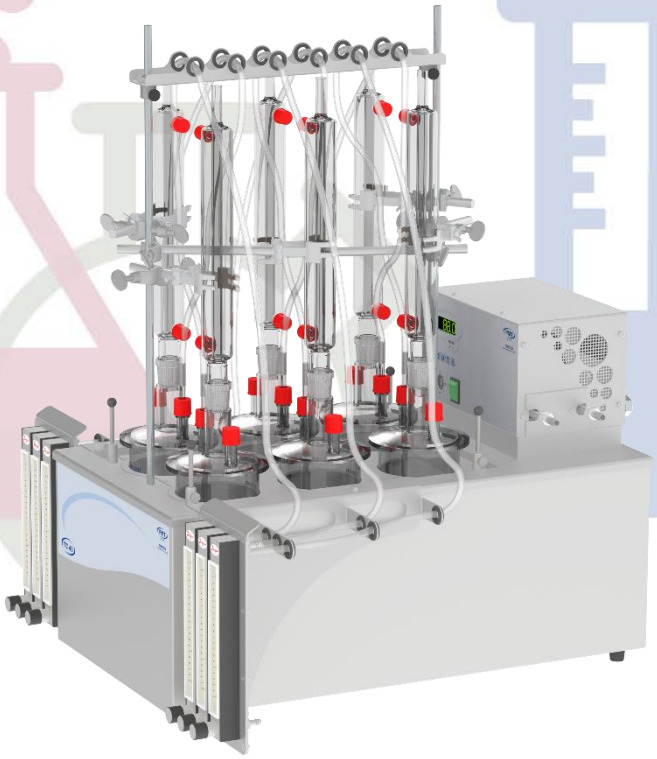
## Tamson Instruments

April 2020

**New Corrosion bath for ASTM D1384**

Recently, we launched a CEC L-109-14 oxidation bath. Based on this design, a valued customer in the USA asked Tamson to modify the oxidation bath, so that it can be used for ASTM D1384 tests.

The ASTM D1384 test method covers a simple beaker-type procedure for evaluating the effects of engine coolants on metal specimens under controlled laboratory conditions. In the test method, specimens of metals typical of those present in engine coolant solutions are totally immersed in aerated engine coolant solutions for 336 hours at 88°C (190°F). The corrosion-inhibitive properties of the test solution are evaluated on the basis of the weight changes incurred by the specimens. This test method will generally distinguish between coolants that are definitely deleterious from the corrosion standpoint and those that are suitable for further evaluation.




**Tamson ASTM D1384 bath**

Tamson Instruments is providing a six position bath for this ASTM D1384 test. The robust and well insulated apparatus is delivered with six sets of glassware. Stand-rods with clamps to hold the glassware in the same position, six flowmeters, and tubing are included in the apparatus. Other accessories required for this test method are supplied by Tamson as well. The first apparatus will be shipped this month to the USA.

**Primary benefits of using Tamson ASTM D1384 apparatus:**

- Equipped to hold up to six 1000 mL glass containers
- Levelling platform can be adjusted to line up the height of the bath fluid level with the 1000 mL glass containers
- Large enough reservoir to keep the bath temperature stable during the entire period of sample heating
- Very precise temperature control (better than ±0.02°C)
- Metal parts made from stainless steel
- Bath is equipped with a pump to circulate the bath medium to an external application when not used for ASTM D1384 tests
- Bath can be safely emptied using the bath drain
- Brackets to hold up to six flow meters
- Complete apparatus for six positions
- ASTM D1384 container is all made from glass, hence no rubber stopper is used. A rubber stopper can crack over time, and the construction would be more fragile.

Please visit https://tamson-instruments.com/astm-equipment/astm-d1384 to download the specification sheet. If you have any questions or would like to receive a quotation, please contact your local Tamson distributor or contact us at sales@tamson.nl