



# Atlas Test

The test method described in NACE TM0174-2002 is called Atlas Cells, which is widely used by coating suppliers and material suppliers abroad, but rarely used in China. The Atlas test characterizes the resistance of the lining coating to chemical media in the presence of a temperature gradient and simulates the wall effect of uninsulated pipes and tanks. Similar tests are described in Method B of ASTM D6943 -- 2015.

Atlas test is a kind of immersion test, but it is closer to the real situation, with only one side of immersion and the other side in contact with the atmosphere. The difference from ordinary immersion test is that both the tolerance of the medium and the cold wall effect are taken into account.



Temperature table

heating

cycle



# Equipment requirements

## Power Requirements

|                       |             |
|-----------------------|-------------|
| power supply          | AC220V 50Hz |
| Power switch capacity | 10A         |

# Technical Specification

| Name                           | Atlas Test                                                                                      |
|--------------------------------|-------------------------------------------------------------------------------------------------|
| Type                           | XD1/4ATLAS-TWAF                                                                                 |
| Overall dimensions             | D×W×H 1200*450*800mm (Temperature control part)<br>D×W×H 200*200*10mm (test plate support part) |
| Temperature control range      | room temperature +5~80°C                                                                        |
| Temperature display resolution | ±0.1°C                                                                                          |
| Temperature control accuracy   | ±1.5°C                                                                                          |
| Temperature uniformity         | ±2°C                                                                                            |
| Rated current                  | 5.5A                                                                                            |

# Ordering Information

| Type             | Name       |
|------------------|------------|
| XD1/4 ATLAS-TWAF | Atlas Test |



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INSTRUMENTS



No 18, Xuwang Road, QingPu District Shanghai, China



+86 2159884839



info@moderner.com