

## RUST PREVENTION TEST

### 11200-5 SETA RUST PREVENTION TEST BATH

ASTM D665; D3603; D5534; IP 135; BS 2000 Part 135; FTM 791 4011; ISO 7120; NF T60-151; JIS K2510; NACE TM0172-2001

- Ambient +5°C to 120°C temperature range
- 7 test stations
- Constant speed sample stirrers
- Quick release stirrers
- Digital temperature controller
- Bath viewing window and door

Indicates the ability of steam turbine oils to prevent rusting of ferrous components, should water become mixed with the oil. Also used to test the corrosive properties of cargoes in petroleum product pipelines.

The 31 litre capacity oil bath has a temperature range of ambient +5°C to 120°C, and is controlled by a digital thermostat unit to within ±0.1° @65°C. The top panel of the bath accepts up to seven test beakers. Each beaker is stirred at 1000 ±50 rev/min by a quick release paddle stirrer.

The test specimen, mounted in a holder (acrylic for normal oils, PTFE for synthetic fluids) is immersed in the test fluid in the beaker and supported by the beaker cover. A hinged front panel allows visual check to be made of sample mixing while the beakers are immersed in the bath.

**SUPPLIED WITH:** seven standard stirrers and beakers, mains lead and instruction manual.



11200-5

#### SPECIFICATIONS

<b>Bath capacity:</b>	31 litres
<b>Temperature range:</b>	Ambient +5°C to 120°C
<b>Temperature Stability:</b>	±0.1° @ 65°C
<b>Stirrer speed:</b>	1000 ±50 rev/min
<b>Test positions:</b>	7
<b>Voltage:</b>	110/120V, 60Hz 220/240V, 50/60Hz
<b>Power:</b>	1.5kW maximum
<b>Size (HxWxD):</b>	63 x 85 x 38cm
<b>Weight:</b>	52kg



SETAPLUS EXTENDED WARRANTY AVAILABLE



TECHNICAL DATASHEETS AVAILABLE

#### ACCESSORIES – Rust Prevention Test Bath

##### REQUIRED

Select from the table "ITEMS REQUIRED FOR EACH TEST".

##### TEST SPECIMENS & HOLDERS:

Select from the table "ITEMS REQUIRED FOR EACH TEST" and refer to page 79.

- 11210-2 SETA STIRRER WITH AUXILIARY BLADE, used for heavier than water fluids, pack of 2.
- 11240-0 ALUMINIUM OXIDE CLOTH, 150 grit (FEPA), 28 x 23cm, pack of 50.
- 11250-0 ALUMINIUM OXIDE CLOTH, 240 grit (FEPA), 28 x 23cm, pack of 50.
- 11260-0 BAFFLED BEAKER, with 2 baffles, for NACE TM0172-2001 tests, pack of 4.
- 11275-0 GRINDING AND POLISHING RIG, polishes the specimen at the speed specified in the method.
- 11280-0 SETA CHUCK BODY AND LOCK NUT, grips test specimen during polishing.
- 11325-0 BEAKER, 25ml, 30mm dia., 50mm high, flat bottom.
- 11225-0 SYNTHETIC SEA WATER SOLUTION, ASTM D665 procedure B, 30ml, pack of 10, (for details see page 79).
- 11227-0 SYNTHETIC SEA WATER SOLUTION, ASTM D665 procedure B, 300ml, (for details see page 79).
- 99100-2 ANALYTICAL BALANCE, (for details see page 141).
- 99200-2 LABORATORY OVEN, (for details see page 137).
- 94633-0 BATH OIL, technical white oil, 20 litres, for temperatures up to 80°C. Note: 2 required.
- 94635-0 BATH OIL, technical white oil, 20 litres, for temperatures between 80 and 120°C. Note: 2 required.
- 45001-0 SETAPLUS EXTENDED 12 MONTH WARRANTY

##### THERMOMETERS:

ASTM9C/IP15C or ASTM9F/IP15F or ASTM34C/IP21C

#### ITEMS REQUIRED FOR EACH TEST

Seta Part No.	D5534		D665		NACE TM0172-2001
	Part A	Part B	Procedure A Distilled Water	Procedure B Synthetic Sea Water	
11210-2					●
11220-0		●	●	●	●
11240-0	●	●	●	●	●
11250-0	●	●	●	●	●
11260-0					●
11275-0	●	●	●	●	●
11280-0	●	●	●	●	●
11290-0			■	■	■
11325-0		●			
11330-0	●	●	●		
11335-0	●	●			

Items marked ■ are used when testing synthetic oils.

#### CONSUMABLES Rust Prevention Test Bath

2 Years/2000 Tests		Qty
11200-005	BEAKER, 400ml, pack of 10	1
11200-503	STIRRER, pack of 2	1
11225-0	SYNTHETIC SEA WATER SOLUTION, ASTM D665 procedure B, 30ml, pack of 10	1
11227-0	SYNTHETIC SEA WATER SOLUTION, ASTM D665 procedure B, 300ml	1

Note: Other items which may be required include: Naptha, Distilled Water.

## RUST PREVENTION TEST SPECIMENS &amp; HOLDERS

## 11220-0 VERTICAL TEST SPECIMEN &amp; ACRYLIC HOLDER



11220-0

**ASTM D665 Procedures A, B & C**

Comprises a vertical test specimen (11220-001) with an acrylic holder and beaker cover for testing non synthetic oil samples. Pack of 5.



CONFORMANCE CERTIFICATE  
(WORKS)

## 11290-2 VERTICAL TEST SPECIMEN &amp; PTFE HOLDER

**ASTM D665 Procedures A, B & C; NACE TM0172-2001**

A PTFE version of the 11220-0 for testing synthetic oil samples and gasoline tests to NACE TM0172-2001. Pack of 5.



CONFORMANCE CERTIFICATE  
(WORKS)

## 11220-001 TEST SPECIMEN



11220-001

**ASTM D665 Procedures A, B & C, NACE TM0172-2001**

A vertical test specimen with a ground finish. Suitable for use with 11220-0 and 11290-0. Pack of 5.



CONFORMANCE CERTIFICATE  
(WORKS)

## 11335-0 BEAKER COVER AND TEST SPECIMEN HOLDER



11335-0

**ASTM D3603; D5534**

Comprises an acrylic beaker cover and holder suitable for use with 11330-0 test specimens.



CONFORMANCE CERTIFICATE  
(WORKS)

## 11330-0 PAIR OF TEST SPECIMENS



11330-0

**ASTM D3603; D5534**

Comprises one each vertical and horizontal test specimens with a ground finish, an acrylic holder, and a PTFE washer.



CONFORMANCE CERTIFICATE  
(WORKS)

## 11225-0 SYNTHETIC SEA WATER SOLUTION (10 x 30ML)

## 11227-0 SYNTHETIC SEA WATER SOLUTION (300ML)



11227-0

**ASTM D665 Procedure B**

CONFORMANCE CERTIFICATE  
(WORKS)