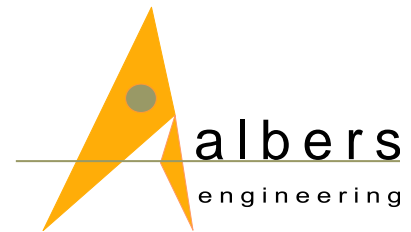


Water Washout Tester

WWT-P1-Multinorm

ASTM D 1264 * DIN 51807 - 2 * DIN ISO 11009



Water Washout Tester WWT-P1-Multinorm

The actual appearance of the instrument may differ slightly from the illustration.

Description

The Water Washout Tester “**WWT-P1-Multinorm**” is employed for evaluating the resistance of a dynamically stressed lubricating grease to washout by water from a bearing in accordance with the standards specified above.

For the test, a ball bearing is packed with lubricant grease, installed in a housing with defined openings, and turned at a specified constant rotational speed. A jet of water at a specified, constant test temperature impinges on the bearing housing at a constant flow rate. After a test duration of 60 +/- 1 min, the difference in the mass of lubricant present in the bearing before and after the test is determined. This difference is the amount of lubricant which has been washed out by the water and is thus a measure of its resistance to water washout. The test is performed twice, and the average value is employed for the evaluation.

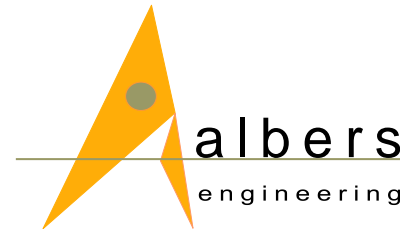
The new tester “**WWT-P1-Multinorm**” is characterised by the following features:

- Advanced control and sensor technology
- Electronic data acquisition
- Easy operation and maintenance
- Available with two separate water tanks for duplicate or independent testing
“**WWT-P2-Multinorm**”

Water Washout Tester

WWT-P1-Multinorm

ASTM D 1264 * DIN 51807 - 2 * DIN ISO 11009



Technical data

Rotational speed:	600 1/min - variable speed control optional
Test temperature:	Up to 80 °C
Supply voltage:	220 V / 240 V , 50 Hz
Power consumption:	1,2 kW
Dimensions:	560 x 600 x 520 mm (W x H x D)
Weight:	About 50 kg



Mounting of the test-bearing housing
with snap-closure arresting pin

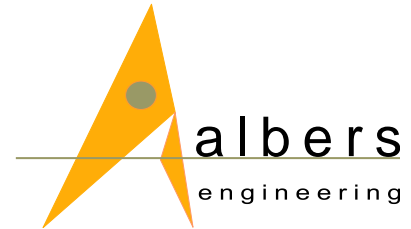
Features

- Tests in conformance with the current standards: ASTM D 1264, DIN 51807-2, DIN ISO 11009
- Central control unit with programmable controller for the automatic test sequence
- Precise sensor technology for continuous measurement of the flow rate and temperature
- Colour display for indicating all test parameters (actual and set values)
- Water tank equipped with controlled heating unit – no preheating necessary
- Water tank equipped with drain valve – convenient drainage after end of test
- All water-tank components resistant to salt water
- Convenient cleaning and maintenance of the water tank; hinged cover for easy accessibility
- Separate drive units for pump and bearing – no belt necessary
- Magnetic clutch between the drive unit and test bearing
- Snap-closure arresting pin for easy installation and removal of the test-bearing housing
- Precise manual control valve for the volume flow-rate setting

Water Washout Tester

WWT-P2-Multinorm

ASTM D 1264 * DIN 51807 - 2 * DIN ISO 11009



Water Washout Tester WWT-P2-Multinorm

The actual appearance of the instrument may differ slightly from the illustration.

Description

The Water Washout Tester “**WWT-P2-Multinorm**” is employed for evaluating the resistance of a dynamically stressed lubricating grease to washout by water from a bearing in accordance with the standards specified above.

For the test, a ball bearing is packed with lubricant grease, installed in a housing with defined openings, and turned at a specified constant rotational speed. A jet of water at a specified, constant test temperature impinges on the bearing housing at a constant flow rate. After a test duration of 60 +/- 1 min, the difference in the mass of lubricant present in the bearing before and after the test is determined. This difference is the amount of lubricant which has been washed out by the water and is thus a measure of its resistance to water washout. The test is performed twice, and the average value is employed for the evaluation.

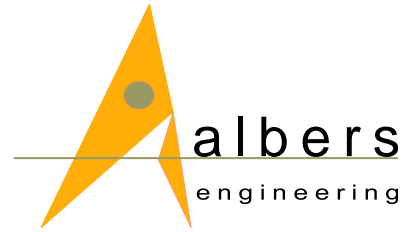
The new tester “**WWT-P2-Multinorm**” is characterised by the following features:

- Advanced control and sensor technology
- Electronic data acquisition
- Easy operation and maintenance
- Two separate water tanks for duplicate or independent testing

Water Washout Tester

WWT-P2-Multinorm

ASTM D 1264 * DIN 51807 - 2 * DIN ISO 11009



Technical data

Rotational speed:	600 1/min - variable speed control optional
Test temperature:	Up to 80 °C
Supply voltage:	220 V / 240 V , 50 Hz
Power consumption:	2.0 kW
Dimensions:	850 x 600 x 520 mm (W x H x D)
Weight:	About 65 kg



Mounting of the test-bearing housing with snap-closure arresting pin



Two separate water tanks, jets and bearing housings for synchronous or independent testing

Features

- Tests in conformance with the current standards: ASTM D 1264, DIN 51807-2, DIN ISO 11009
- Central control unit with programmable controller for the automatic test sequence
- Precise sensor technology for continuous measurement of the flow rate and temperature
- Colour display for indicating all test parameters (actual and set values)
- Two separate water tanks, jets, and bearing housings for synchronous or independent testing
- Water tanks equipped with controlled heating unit – no preheating necessary
- Water tanks equipped with drain valves – convenient drainage after end of test
- All water-tank components resistant to salt water
- Convenient cleaning and maintenance of the water tanks; hinged cover for easy accessibility
- Separate drive units for pump and bearing – no belt necessary
- Magnetic clutch between the drive unit and test bearing
- Snap-closure arresting pin for easy installation and removal of the test-bearing housing
- Precise manual control valve for the volume flow-rate setting