

ARV TECH

AIR RELEASE PROPERTIES OF OILS IMPINGER METHOD



STANDARDS

ASTM D 3427, IP 313, ISO 9120, DIN 51381, NFT 60149 and related methods.

SCOPE

This test method covers the ability of turbine, gear and hydraulic oils to separate entrained air. The instrument records the time required to reduce the air entrained in the oil to 0.2 % of volume.

The ARV Tech is used for the determination of air release properties of lubricating and hydraulic products

« AUTOMATIC INTEGRATED SOLUTION »



TECHNICAL FEATURES

- Benchtop instrument
- Color touch screen 8,4"
- User friendly software
- Sample temperature: from 25°C to 75°C, (temperature settable through display)
- Air pressure measurement by needle gauge
- Air temperature measurement by Pt100 probe and ASTM 12C thermometer
- Quick and easy positioning of the glassware
- Recording of different plungers
- Automatic result calculation
- LED lighting
- Adjustable levelling feet



CONNECTIVITY

- 2 USB ports
- 2 RS232 ports
- 1 Ethernet port

SAFETY

The device includes a complete safety system:

- Audible alarm at the end of the test
- Overheating safety
- Overpressure cut off
- Warning light if no air flow
- Quick coupling between glassware and thermostatic bath

SOFTWARE

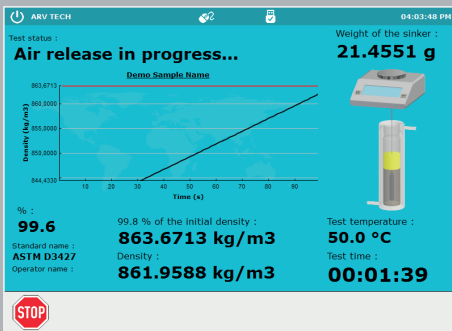
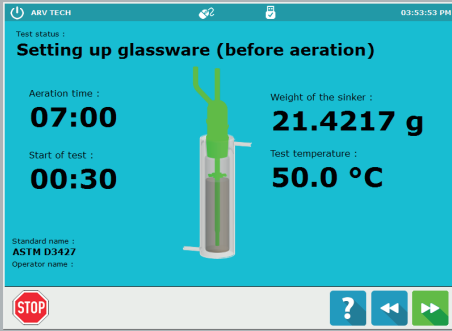
- Backup and software update by USB
- Keyboard, mouse, barcode reader and printer connection
- Data storage > 1000 results
- Evolution of the test in real time

DISPLAY

- User-friendly
- Digital screen
- **Several parameters:**
 - Data export through USB, LIMS or e-mails
 - User and password settings
 - Data transfer in desired format

OPTIONS

- Oven (for heating sample to 10°C above the test temperature)
- Drying tower



Start test

Test information

Program file

Sinker

Balance

Test short description

Sample name :
Demo Sample Name

Batch number :

Test temperature :
50.0 °C

Operator name :

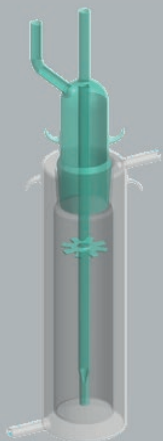
Program file name :
ASTM03427 - FRIGO

Standard name :
ASTM D3427

Sinker name :
SINKER_001

Balance name :
ARV45 Nembus NBL 124

STOP



SCOPE OF DELIVERY

942900

ARV Tech is delivered with:

- Thermostatic circulator
- Impinger vessel (P/N: 12627)
- Glass plunger 10 ml with platinum wire for density measurement (P/N: 12629)
- Pressure gauge
- ASTM 12 C thermometer* (P/N: 11499)
- Electronic temperature controller
- Balance (precision 0.1mg) (P/N: 0569100004)
- Thermal ticket printer
- Pair of gloves (P/N: 9417444)

* Without certificate, calibration on request

Site requirements:

- Power supply: 230 V - 50/60 Hz - 16 A
- Dimensions: (W) 750 x (D) 300 x (H) 568 mm
- Weight: 60 kg

SUMMARY

Sample temperature	from 25°C to 75°C (settable through display)	Balance capacity	52 g
Temperature accuracy	± 0,1°C	Oil-free air and water-free	
		Maximum inlet pressure	0.5 Bar - 7 PSI - 50 kPa
		Fluid	6L of water

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