

# 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

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- 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

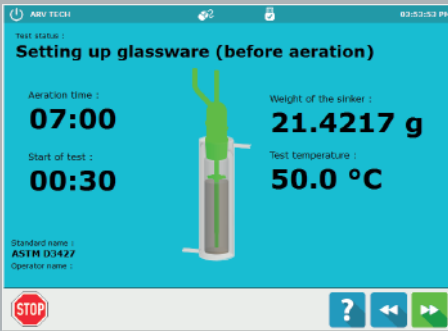
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- 2 USB ports
- 2 RS232 ports
- 1 Ethernet port

# SAFETY

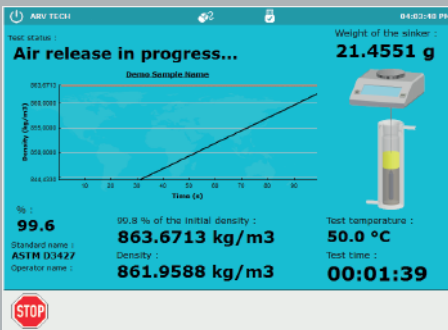
The device includes a complete safety system:

- 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



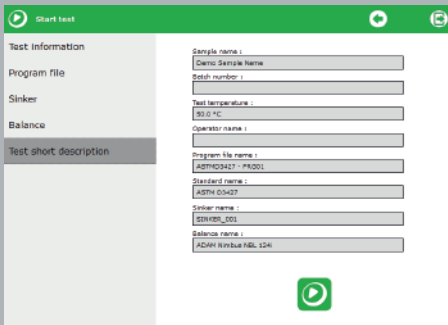
# SOFTWARE

- 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



# 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

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

 **NORMALAB**  
www.normalab.com

**CONTACT : [sales@normalab.com](mailto:sales@normalab.com)**

Normalab FRANCE SAS  
175, rue Claudie HAIGNERE  
76190, Valliquerville  
Tel. : +33 232.700.100  
Fax : +33 232.704.732

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