

# MODEL ARV TECH

## AIR RELEASE PROPERTIES OF PETROLEUM OILS



### STANDARDS

ASTM D 3427, IP 313, ISO 9120 and related methods.

### SCOPE

This test method covers the ability of turbine, hydraulic, and gear oils to separate entrained air. Compressed air is blown through the test oil, which has been heated to a temperature of 25, 50, or 75°C. After the air flow is stopped, the time required for the air entrained in the oil to reduce in volume to 0.2 % is recorded as the air release time.

Normalab has been designing and manufacturing petroleum testing instruments and glassware since 1963.

## « AUTOMATIC INTERGRATED SOLUTION »



### SPECIFICATIONS

- Colour touch screen
- Automatic result calculation
- Automatic density
- User friendly soft
- Step by step method guide
- Plunger identification
- ISO and ASTM method



### CONNECTIVITY

- USB Port
- RS232 port
- Lims
- Lan



## ACCESSORIES

Delivered in standard with the necessary accessories to run a test, you can complete your device with :

- Airpump
- Circulating water bath
- Amber glassware

## SAFETY

For security precaution, the ARV Tech is equipped with several protection user systems:

- User access
- Audible alarm
- Safety over heating
- Airflow detection

## SOFTWARE FEATURES

- USB Upgrade
- Backup via USB
- Step by step method guide
- Graph creation
- Memory more than 1000 tests

## EASY CONFIGURATION

Delivered ready to use, the device is user-friendly with its digital screen and the quick access keypad. You can easily program the parameters. The integrated software allows you :

- Export data though USB by PDF, Word, Excel and Lims
- Set up and password
- Method guide



Démarrage essai

Informations essai

Fiche programme

Plongeur

Balance

Récapitulatif de l'essai

Nom de l'échantillon :

Numero de batch :

Température de l'essai :

Nom de l'opérateur :

Nom de la fibre produit :

Nom de la norme :

▶

## ORDERING INFORMATION

### NORMALAB production - Automatic model of Impinger method

942900

The **ARV Tech** apparatus is including thermostatic circulator, necessary tubing and glass plunger. Analytical balance with special connection is included for plunger hanging.

#### Scope of delivery:

ARV Tech is delivered with:

- Thermostatic circulator for impinger vessel
- Impinger vessel (P/N 12627)
- Glass plunger 10 ml with platinum wire for density measurement (P/N 12629)
- Pressure gauge
- Thermometer ASTM 12 C (P/N 11499) \*
- Electronic temperature controller

\* Without certificate, calibration on request

#### Site requirements:

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

## SUMMARY

Temperature range	Ambiant to 85°C	Oil-free air	
Sample temperature	25°C / 50°C / 75°C	Maximum pressure	0.5 Bar - 7 PSI - 50 kPa
Temperature accuracy	custom temperature in the software		
Balance	+/- 0,1°C		
	120 g		



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