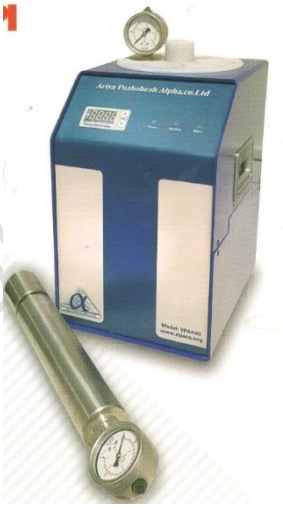
APACO Reid Vapour Pressure (Manual and Automatic
Brand:APACO
Model:VPA 500
Made in: IRAN

Purpose:

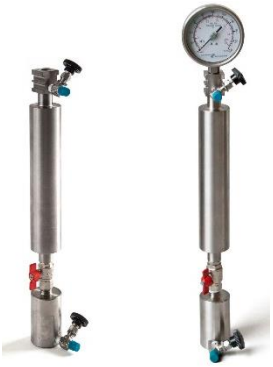


The APACO VPA400 Reid Vapour Pressure Bath is a floor standing water bath specifically designed for the determination of vapour pressure with APAPCO Reid or APACO Vapour pressure cylinders. This test method covers procedures for the determination of vapor pressure of gasoline, volatile crude oil, and other volatile petroleum products. Procedure A is applicable to gasoline and other petroleum products with a vapour pressure of less than 180 kPa (26 psi). Procedure B may also be applicable to these other materials, but only gasoline was included in the interlaboratory test program to determine the precision of this test method. Neither procedure is applicable to liquefied petroleum gases or fuels containing oxygenated compounds other than methyl-butyl ether (MTBE). Procedure C is for materials with a vapour pressure of greater than 180 kPa (26 psi) and procedure D for aviation gasoline with a vapour pressure of approximately 50 kPa (7 psi).

Precison and Bias : The following criteria are to be used for judging the acceptability of results (95 % confidence):

* Repeatability— The difference between successive test results obtained by the same operator with the same apparatus under constant operating conditions on identical test material would, in the long run, in the normal and correct operation of the test method, exceed the following value only in one case in twenty.

	Range		Repeatability	
Procedure	kPa	psi	kPa	psi
A Gasoline	35–100	5–15	3.2	0.46
B Gasoline	35–100	5–15	1.2	0.17
A	0–35	0–5	0.7	0.10
A	110–180	16–26	2.1	0.3
C	>180	>26	2.8	0.4
D Aviation Gasoline	50	7	0.7	0.1



*Reproducibility— The difference between two, single and independent results, obtained by different operators working in different laboratories on identical test material would, in the long run, in the normal and correct operation of the test method, exceed the following value only in one case in twenty.

	Range		Reproducibility	
Procedure	kPa	psi	kPa	psi
A Gasoline	35–100	5–15	5.2	0.75
B Gasoline	35–100	5–15	4.5	0.66
A	0–35	0–5	2.4	0.35
A	110–180	16–26	2.8	0.4
C	>180	>26	4.9	0.7
D Aviation Gasoline	50	7	1.0	0.15

Absolute Bias— Since there is no accepted reference material suitable for determining the bias for this test method, bias cannot be determined. The amount of bias between this test vapor pressure and true vapor pressure is unknown.

Relative Bias— There is no statistically significant bias between Procedures A and B for gasolines as determined in the last cooperative test program.

Properties OF Equipment	
TEST TEMPERATURE RANGE	22 To 200°C
COOLING SYSTEM	Including to device
CIRCULATOR	With Stirrer
PERESSUR GAGE RANGE	0 to 15 Psı
TEMPERATURE STABILITY	±0.01
BATH VOLUME	10 to 11 Lit
BATH MATERIAL	SS.304
ALARM*OPTICAL+AUDIBLE	Low and High Temp
CYLINDER CAPACITY	2 Pcs
VOLTAGE	220/240 V, 50/60 Hz
POWER	1000 W