

# ARYA SARMAYESH KNOWLEDGE BASE CO VACUUM OVEN ONLY AVT SERIES

Type		AVT 37/26 plus	AVT 37/26 plus	AVT 45/50	AVT 45/50 plus
Test space volume	L	30	50	101	150
<b>Performance for temperature tests</b>					
Temperature Range	°C	Ambiant+7 ~ +240	Ambiant+7 ~ +240	Ambiant+7 ~ +240	Ambiant+7 ~ +240
Temperature controler		HMI &Pid	HMI &Pid	Pid controler	HMI &Pid
Temperature deviation in time 1)	K	± 0.1 to ± 1.0			
Temperature homogeneity in space 2)	K	± 0.5 to ± 1.5			
Temperature rate of change 3)	Heating K/min	2.3	2.2	2	2
Temperature calibration values	°C	+50 & +70			
<b>Performance for pressure</b>					
Pressure range	mbar	-800	-800	-800	-800
Pumping-out time to 800 mbar	min	10	13	17	17
Nominal suction capacity of vacuum pump	CFM	4.0	4.0	4.0	4.0
<b>Work space dimensions</b>					
	Width mm	375	375	450	500
	Depth mm	310	310	450	500
	Height mm	260	430	500	600
<b>External dimensions</b>					
	Width mm	726	726	650	650
	Depth mm	390	390	700	700
	Height mm	445	615	1260	1360
Heating method		ELECTRICAL HEATER	ELECTRICAL HEATER	ELECTRICAL HEATER	ELECTRICAL HEATER
Electrical connection		1/N/PE AC 220 V ± 10% 50 HZ			
Oven unit net weight	Kg	49	53.1		
Rated power	kW	1.3	1.3	2.8	2.8

Performance values refer to +25 °C ambient temperature .

1) Measured in the middle of test space.

2) Relative to the set value in temperature range from t min to +80 °C for AVT series

3) In accordance with IEC 60068-3-5

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