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Specialist Suppliers to the Environmental Industry

MULTI-PURPOSE BENCHTOP OVENS



Model Shown – OV/100/TDIG/F



Model Shown – MINO/50/TDIG/F

This general multi-purpose benchtop oven range offers a range of highly efficient, reliable and cost effective ovens to suit most warming, drying and heat treatment processes. Available in a variety of sizes and designed with both side or base mounted displays to suit your exact needs. Featuring a touch screen control system which offers intuitive control and excellent accuracies designed for industrial and laboratory ovens.

Features

- 10 sizes 6 to 200 litres (base mount controller design)
- 6 sizes 50 to 200 litres (side mount controller design)
- Temperature range 40°C to 250°C
- On screen historical trending (48 hours)
- Manual or automatic overheat reset
- High accuracy Pt100B duplex sensors <math><0.8^{\circ}\text{C}</math>
- Excellent stability <math><\pm 0.6^{\circ}\text{C}</math> (fan assisted)
- Low chamber uniformity
- 12 Months Warranty

Options

- Fan assisted circulation (not available <math><30\text{L}</math>)
- Stainless steel chamber
- 8 Stage profile control
- Count down timer
- 24/7 real time clock operation
- Access ports (25, 50, 75 or 100mm)
- Audible warnings
- Traceable calibration to national standards
- Bespoke stands and staking kits
- Extractor unit
- Explosion relief panels (OV style only)
- Bespoke solutions available upon request



Design

The exterior is constructed from sheet steel, finished in an easy clean powder coated paint. The interior chamber is made from mild steel coated with aluminium (CLAD), with a stainless steel chamber available as an option. They are fitted with fixed shelf runners and removable chrome plated wire grid shelves.

Heating

Heated by Incoloy sheathed elements positioned in the base of the oven on all natural convection ranges. Fan assisted ranges have elements on the rear on base mount designs and in the side on side mount designs.

Controls

The control system comprises of a bespoke touch screen user interface that offers both accurate temperature control and an integral overheat system by using 2 individual PT100 sensors. Advanced features can be turned on and off to suit bespoke heating applications and tailored to customer preference. Oven trending is displayed for up to 48 hours and optional upgrades are available for alarm outputs.



Sizes and Specifications

Model	Capacity* (litres)	Natural Convection		Fan Assisted Circulation		Shelves/ Positions	Wattage	Weight (kg)
		Internal Dims (H x W x D cms)	External Dims (H x W x D cms)	Internal Dims (H x W x D cms)	External Dims (H x W x D cms)			
Base Mount Designs.....								
MINO/6/TDIG	6	15 x 23 x 19	39 x 32 x 33	N/A	N/A	1--1	350	16
MINO/18/TDIG	18	26 x 26 x 27	52 x 38 x 41	N/A	N/A	1--1	500	21
MINO/30/TDIG	30	24 x 36 x 35	56 x 50 x 49	24 x 36 x 31	56 x 50 x 62	2--2	750	30
MINO/40/TDIG	40	32 x 36 x 35	64 x 50 x 49	32 x 36 x 31	64 x 50 x 62	2--3	750	35
MINO/50/TDIG	53	33 x 49 x 33	65 x 63 x 47	33 x 49 x 29	65 x 63 x 59	2--3	750	45
MINO/75/TDIG	73	33 x 49 x 45	65 x 63 x 60	33 x 49 x 41	65 x 63 x 72	2--3	1000	55
MINO/100/TDIG	99	45 x 49 x 45	77 x 63 x 60	45 x 49 x 41	77 x 63 x 72	3--4	1000	60
MINO/125/TDIG	121	55 x 49 x 45	87 x 63 x 60	55 x 49 x 41	87 x 63 x 72	3--5	1500	65
MINO/150/TDIG	143	55 x 59 x 53	87 x 63 x 68	55 x 49 x 49	87 x 63 x 80	3--5	1500	70
MINO/200/TDIG/F	180	N/A	N/A	75 x 49 x 49	107 x 63 x 80	4--7	2000	80
Side Mount Designs.....								
OV/50/TDIG	58	42 x 40 x 25	58 x 73 x 48					
OV/75/TDIG	78	42 x 53 x 35	58 x 85 x 48	45 x 36 x 35	58 x 73 x 48	2--3	750	35
OV/100/TDIG	102	42 x 53 x 46	58 x 85 x 59	45 x 49 x 35	58 x 85 x 48	2--3	1000	45
OV/125/TDIG	126	52 x 53 x 46	69 x 85 x 59	45 x 49 x 40	58 x 85 x 59	3--4	1000	55
OV/150/TDIG	149	52 x 53 x 54	69 x 85 x 67	55 x 49 x 46	69 x 85 x 59	3--5	1500	65
OV/200/TDIG/F	198	N/A	N/A	55 x 49 x 54	69 x 85 x 67	3--5	1500	70

*Note, useable internal capacity is reduced with fan assisted circulation

Ordering

All units have CLAD interior with touch screen interface as standard

Where options are required simply add the option code to the original reference.

e.g. MINO/50/TDIG with fan assisted circulation and stainless steel chamber becomes MINO/50/TDIG/F/SS.

Contact sales for bespoke options.

Option Codes

Fan Assisted Circulation – F

3 Stage Advanced Timer – TIM

Audible Warning – AWA

Temp Uniformity Surveys – TUS

Explosion Relief Panels (OV style only) - EXP

Stainless Steel Chamber – SS

Access Ports – AP

Single Point Calibration – SPC

Extraction Systems – EXT