



PSS/350V/TD1G



PSS/750V/TD1G

Prime Stainless Steel Ovens

The Prime SS Oven range represents the flagship line of Genlab Ovens, expertly engineered from premium 304 stainless steel. Designed for exceptional durability, these ovens are ideal for corrosive or demanding processes where traditional materials fall short.

Each unit is built on a robust 316 stainless steel framework and features a fully 304 stainless steel-lined chamber, seamlessly welded to minimise leakage and ensure long-lasting performance. Every internal component that comes into contact with the process - such as heating elements, fan blades, guards, shelving, and vents - is made entirely from stainless steel for superior resistance and reliability.

For applications requiring the highest corrosion protection, 316 stainless steel interior panels are available as an optional upgrade (process compatibility should be confirmed before selection).

The Prime SS range now also offers optional temperature and energy usage recording, providing added precision and control for critical processes.

Features

- 8 sizes (250 to 1000 litres - single door design)
- 9 sizes (250 to 1250 litres - twin door design)
- 304 SS chamber and associated wetted parts
- 304 exterior construction
- Temperature range 50°C to 250°C
- On screen historical trending (48 hours)
- 8 stage profile control
- Countdown timer
- 24/7 real time clock operation
- Manual or automatic overheat reset
- High accuracy Pt100A duplex sensors 0.4°C housed in stainless steel thermopocket
- Stainless steel fan assisted circulation
- Excellent stability
- Audible warnings
- Heavy duty castor wheels on all models
- Energy efficient with integral energy meter
- New - set point lock feature
- Selectable HMI languages 

Options

- Integral Temperature Logger with reporting firmware
- 10 menu x 8 stage profile control (& cyclic)
- 300°C continuous temperature ratings
- 316 Stainless steel upgrade (see compatibility charts)
- Reinforced total load
- Reinforced shelving (40kg)
- Explosion relief panels
- Access ports (25, 50, 75 or 100mm)
- Traceable calibration to national standards
- Bespoke stands and stacking kits
- Extractor unit
- Extended warranty
- Bespoke solutions available upon request
- 3 phase upgrade for quicker response (standard above 350L versions)
- Fan speed control (50-100%)



Design

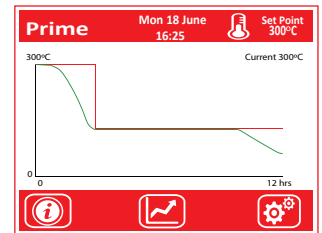
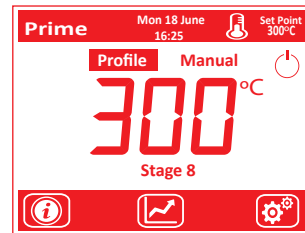
The exterior is constructed around a stainless steel frame and finished with stainless steel panels covering heavy duty insulation. The interior chamber is made from 304 stainless steel and fitted with stainless steel fixed shelf runners and removable stainless steel mesh shelves. All wetted parts are stainless steel with silicone door seals. The vertical style units are fitted with single doors, the horizontal style units are fitted with twin doors.

Heating

Heated by stainless steel sheathed elements positioned in the side fan duct for all units except the 250H and 350H, which have a base fan duct.

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

Genlab Reference Number		Capacity (litres)	Internal Dimensions (H x W x D cm)	External Dimensions (H x W x D cm)	Shelves / Positions	Wattage	Voltage	Weight (kg)
Horizontal with Twin Doors	PSS/250H/TDIG*	220	54 x 92 x 44	111 x 112 x 68	3..4	3000	230	200
	PSS/350H/TDIG*	320	54 x 92 x 64	111 x 112 x 88	3..4	3000	230	245
	PSS/425H/TDIG	450	76 x 92 x 64	106 x 142 x 88	4..5	4500	415	290
	PSS/500H/TDIG	535	91 x 92 x 64	121 x 142 x 88	5..7	4500	415	335
	PSS/650H/TDIG	645	91 x 92 x 77	129 x 156 x 101	5..7	7500	415	385
	PSS/750H/TDIG	750	106 x 92 x 77	144 x 156 x 101	5..8	7500	415	430
	PSS/850H/TDIG	865	122 x 92 x 77	160 x 156 x 101	5..9	7500	415	465
	PSS/1000H/TDIG	1005	142 x 92 x 77	180 x 156 x 101	5..11	9000	415	535
	PSS/1250H/TDIG	1280	142 x 122 x 74	180 x 186 x 98	5..11	9000	415	605
Vertical with Single Door	PSS/250V/TDIG	240	91 x 51 x 52	120 x 99 x 76	5..7	3000	230	190
	PSS/350V/TDIG	345	91 x 61 x 62	120 x 109 x 86	5..7	3000	230	235
	PSS/425V/TDIG	425	91 x 61 x 77	121 x 111 x 101	5..7	4500	415	280
	PSS/500V/TDIG	535	114 x 61 x 77	144 x 111 x 101	5..9	4500	415	325
	PSS/650V/TDIG	675	114 x 77 x 77	152 x 141 x 101	5..9	7500	415	375
	PSS/750V/TDIG	760	128 x 77 x 77	166 x 141 x 101	5..10	7500	415	420
	PSS/850V/TDIG	840	142 x 77 x 77	180 x 141 x 101	5..11	7500	415	455
	PSS/1000V/TDIG	1005	142 x 77 x 92	180 x 141 x 116	5..11	9000	415	525

Please see product datasheets for dimensional drawings

*Have base mount HMI

Ordering

All units have a stainless steel interior/exterior with a touch screen interface with all the timer features enabled as standard. Where options are required, simply add the option code to the original reference. e.g. **PSS/1250/TDIG** with extended temperature range and cyclic control become **PSS/1250/TDIG/300/10PRO**. Contact sales for bespoke options.

Option Codes

300	Extended Temp 300°C	316	316 SS Upgrade	AP	Access Ports
SPC	Single Point Calibration	3PC	3 Point Calibration	10PRO	10 menu x 8 profile (inc cyclic)
STAND	Stands	EXT	Extractor Systems	3PH	Phrase Upgrade (<350L models only)
FSC	Fan Speed Control	EXP	Explosion Relief Panels	ITL	Integral Temperature Logger