

NEW



Whole of house filtration & disinfection Defender 25 to 100 LPM range

The Defender 25, 35, 65 and 100 models all feature a three-stage filtration and disinfection process. Stage one is a spun polypropylene sediment pre-filter; stage two for the 25, 35, and 65 models is a carbon polishing filter, and for the 100 model is a low micron spun poly sediment cartridge providing the required high flow rate. The third stage is a stainless steel ultra violet unit, which provides **99.99% bacteria kill**.

All models are fitted with inlet/outlet pressure gauges, giving a visual indication of cartridge loading.

Defender replaces the previous Exterminator range. The new Defender design is simpler, more compact, has a smaller footprint, and is more economical to buy.

Quality UPVC pipework and fittings are used for strength and leakproof jointing. A flow controller is included to stop the unit exceeding design flow rate. All the above is conveniently mounted on a grey PVC board ready for in/out connections.

An audible lamp fail alarm is fitted on all models.

Complete installation instructions provided. Full one year conditional warranty.

Electricals: All models available with choice of internal or external transformer
Optional: Freestanding unistrut galvanized steel frame & legs.



Defender frame/legs

DEFENDER 25	DEFENDER 35	DEFENDER 65	DEFENDER 100
<ul style="list-style-type: none"> ■ 25 LPM system ■ Small domestic or industrial application ■ 30 watt UV lamp ■ Dimensions – H,W,D: 1220x710x160mm (excl. optional frame) 	<ul style="list-style-type: none"> ■ 35 LPM system ■ Small domestic or industrial application ■ 40 watt UV lamp ■ Dimensions – H,W,D: 1220x710x160mm (excl. optional frame) 	<ul style="list-style-type: none"> ■ 65 LPM system ■ Large domestic or industrial application ■ 40 watt lamp ■ Dimensions – H,W,D: 1220x710x245mm (excl. optional frame) 	<ul style="list-style-type: none"> ■ 100 LPM system ■ Large domestic or industrial application ■ 80 watt lamp ■ Dimensions – H,W,D: 1220x710x245mm (excl. optional frame)

Photographs of products are indicative only. Actual products supplied may differ in some details to those shown. IBC Water Pty Ltd reserves the right to change any product specifications or performance without notice and without incurring any obligations or liability for such changes.

DEFENDER SPECIFICATIONS

Model Type		DEFENDER 25	DEFENDER 35	DEFENDER 65	DEFENDER 100
Flow Rate LPM (litres per minute)		25	35	65	100
Dimensions	Height (mm)	1220	1220	1220	1220
	Width (mm)	710	710	710	710
	Depth (mm)	160	160	245	245
	Vessel diameter (mm)	65	65	65	65
Optional frame/legs dimensions	Footprint of base W x D (mm)	900 x 210	900 x 210	900 x 210	900 x 210
	Height (mm)	1415	1415	1415	1415
Electrical	Volts	240	240	240	240
	Amps	0.40	0.45	0.45	0.45
	Power cons. (W)	42	55	55	96
	Lamp watts	30	40	40	80
Max operating pressure kPa		620	620	620	620
Ambient temp range °C		2 - 40	2 - 40	2 - 40	2 - 40
Quartz thimble		Yes (1)	Yes (1)	Yes (1)	Yes (1)
Ultraviolet lamp		Yes (1)	Yes (1)	Yes (1)	Yes (1)
Inlet/Outlet port size (mm)		20	20	25	25
Audible lamp failure		Yes	Yes	Yes	Yes
254nm UV monitor		Optional	Optional	Optional	Optional
Remote alarm output		Optional	Optional	Optional	Optional
Solenoid output		Optional	Optional	Optional	Optional
UV vessel material		316 SS	316 SS	316 SS	316 SS
Filter housing material		Polypropylene	Polypropylene	Polypropylene	Polypropylene
UV lamp code		UV-GX0600L	UV-GX0860L	UV-GX0860L	UV-11074
Thimble code		UV-VSL550L	UV-VSL900L	UV-VSL900L	UV-VSL900L
O-ring		UV-31001	UV-31001	UV-31001	UV-31001
Ballast/control box code (EXT)		UV-50044	UV-50044	UV-50044	UV-50081
Ballast/control box code (INT)		UV-40048	UV-40048	UV-40048	UV-40088
Pre-filter cartridge		SSED P5-20	SSED P5-20	SSED P5-20BB	SSED P10-20BB
Post-filter cartridge		GAC P5-20	GAC P5-20	GAC P5-20BB	SSED P5-20BB

WATER CHEMISTRY

IRON	HARDNESS	TURBIDITY	MANGANESE	TANNINS	UV TRANSMITTANCE
<0.3 ppm (0.3 mg/l)	<29 gpg (500 mg/l)	< 5NTU	<0.1 ppm (0.1 mg/l)	<0.1 ppm (0.1 mg/l)	>85%

Photos are indicative only, and the above specifications are to be used as a guide only. Variation will occur due to manufacturing and material tolerances.