

Oxyzone T40 Tempest Ozone Generators Specifications and Operation

T40 Tempest Description

The T40 Tempest is a rugged, powerful range of corona discharge ozone generators that can operated independently or as part of a centrally or remotely monitored system. They can be manually operated or output controlled using the internal ORP controller or linked directly to many external ORP, Dissolved Ozone or Gaseous Ozone monitors.

In fact they can work with almost any feedback system using 4-20mA or 0-5V output.

The ozone output is fully proportional controlled, meaning that it is just as effective processing water in storage systems as it is operating in-line with the process water.

The T40 Tempest range is offered in 2 cabinet sizes: 4 to 12 gm/hr and 16 to 24 gm/hr.

Multiple cabinets can be paralleled in any combination to provide higher output levels if required. The output of the whole system is still controlled by the single, internal or external controller linked to all cabinets.

Internal functions are also able to be linked to external flow and pressure sensors to enable a safe shutdown process if a failure occurs eliminating the need for special PLC's.

But if you require, all these functions can be connected to a central PLC, plant monitor or even a remote monitor station.

For longer life the cabinets are manufactured only in stainless steel with all circuit boards conformal coated for protection.

The ozone generation cells each produce 4 gm/hr of ozone using oxygen feed and are air cooled for convenient and simple operation. If desired the smaller units can be run using only dry air as the feed.

The T40 Tempest ozone generators have been designed and constructed to provide a comprehensive range of options in a simple to use package. Plus it is 100% Australian designed and manufactured.

At Oxyzone we have the product and the flexibility to meet your needs.

T40 Tempest Specifications

Cabinet size	Width	Height	Depth
T41, T42, T43	455mm	451mm	253mm
T44, T45, T46	555mm	651mm	253mm

Product	Weight	Cells	Ozone
T41	23kg	1	4 gm/hr
T42	25kg	2	8 gm/hr
T43	27kg	3	12 gm/hr
T44	31kg	4	16 gm/hr
T45	33kg	5	20 gm/hr
T46	35kg	6	24 gm/hr

T40 Tempest Controls and Indicators (all versions)

Start / Stop	Start and stop press switches or from external device
Status	Red = fault, Yellow = warning, Green = ok
Power output	Bar graph showing % output of ozone
Power supplies	Indicates the power supplies that are operating correctly
Sanitiser	Indicates the sanitiser level against the selected level
Water pressure	Indicates input or output water pressure problem
Air pressure fault	Indicates an air or oxygen level problem
Door switch	Indicates that the door interlock has been operated