

IWGES

INTERNATIONAL WATER-GUARD
AIRCRAFT ON-DEMAND WATER HEATERS



The IWG-ES Series provides hot water on demand in high flow situations, such as showers, galleys and lavatories. The water supply is limited only by the size of the aircraft water tank.

With technology by Keltech, IWG brings more than twenty years experience in aircraft water treatment and systems to bear on the future development and support of this robust and trusted water heater product family.



INTERNATIONAL
Water-Guard

IWGES SPECIFICATIONS

> Compact > Energy Efficient > Robust > Accurate Temperature Control for Flow Rates from 0.5 gpm to 4.0 gpm (1.9 l/min to 15.1 l/min) > Reliable > Easy to maintain and install

MECHANICAL

Overall Dimensions: 14" x 14" x 4.25" (35.6cm x 35.6cm x 10.8cm);

For 18kW, 14" x 15.25" x 4.25" (35.6cm x 38.7cm x 10.8cm)

Net Weight Dry: 21 lbs (9.53 kg) standard aluminum enclosure;
29 lbs (13.2 kg) stainless steel enclosure

ELECTRICAL

Power Sizes: 5kW, 10kW, 12kW, 15kW and 18kW

Input Voltage: 28 VDC, 115 VAC, 400Hz, 3 phase

Nominal Current Draw: 14 Amps (5kW), 28 Amps (10kW),
34 Amps (12kW), 42 Amps (15kW), and 50 Amps (18kW).

Electrical Interface: MS3470W8-98P (for 28VDC);
MS3452W22-22P (for 115 VAC)

Ground Fault Protection

FLOW RATES & TEMPERATURE

Flow Rates: 0.5 gpm to 4.0 gpm (1.9 l/min to 15.1 l/min)

Temperature Settings: User selectable 105°F - 115°F (41°C - 46°C)
Over Temperature Safety Shutdown

PRESSURE

Maximum Operating Pressure: 60 PSIG (4.1 bar)

Pressure Drop: 2.5 PSI @ 2 US gpm (0.17 bar @ 7.6 l/min)

STATUS INDICATION

On-unit digital controller display

