

# IWG's Electronic Water Quantity Pre-Select System

New Intelligent Water Quantity  
Pre-Select System for Boeing  
737NG -600 through - 900ER  
Family Aircraft **Now for 737-8!**



Coming soon for the A320 family

## Benefits

- Instantly and precisely select your desired water upload quantity prior to each flight, reducing all that excess water weight!
- Provides historical water usage data for future flight planning and operations
- Easily fits in to existing ground maintenance water-fill procedures
- Takes the guesswork out of controlling water upload quantities with analogue water gauges
- Pre-Select desired water quantities for each flight
- Water usage stored on SD Card
- Water usage offloaded via GSM for analysis
- Water Pre-Select Level Upoded via GSM (optional)

## Features

If you install the Water Pre-Select System you can:

- Increase lift by up to 400lbs per flight or
- Add two Revenue Passengers per flight or
- Reduce Fuel Burn and Carbon Footprint.

## STC approvals:



IWG will generate significant savings for the industry while reducing CO2 emissions.

# IWG's Electronic Water Quantity Pre-Select System

## How it works

- When the water in the tank reaches the Target amount, the water is diverted to the overflow line by our 3 way Motor Operated Valve (MOV) as a visual indicator to the Ground Crew that the water has reached its pre-set Target. This Tank Fill visual indicator is preserved to ensure that there is not additional training to the Ground Crew

## Approvals

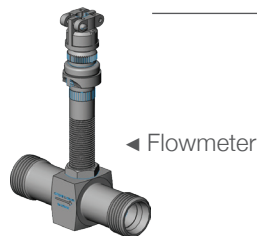
- Transport Canada STC
- FAA STC
- ANAC STC
- EASA STC
- Application to additional countries upon request

## Integration

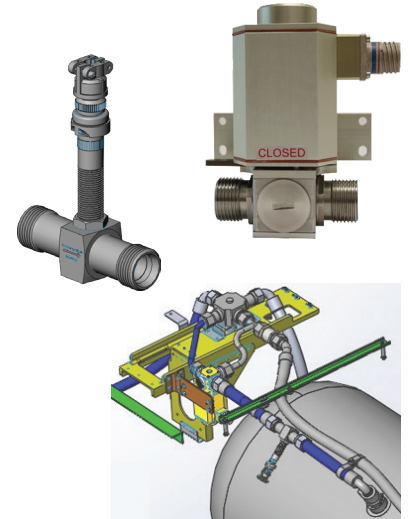
- Ease of installation
- Simple Operation fits into existing procedures
- 24/7/365 AOG/ spares support world-wide

## System components

- ▼ Pre-Select Touch Screen



The Pre-Select Controller is an interactive Touch Screen in the aft galley's Flight Attendant Panel of the 737-8 and 737 NG that allows the Airline to pre-set the infill water quantity target in the Potable Water Tank.



## Easy + Automated

- System is activated by aircraft parking brake sensor signal.
- Once the aircraft stops and the parking brake is engaged, the system controller compares the water quantity in the tank to the pre-set water target
- If the tank water quantity is equal to or greater than the pre-set target the controller switches the MOV to the overflow position
- If the tank water quantity is less than the pre-set target, the controller switches the MOV to the Fill (open) position

- As the ground crew uploads water from the water cart through the service panel, and when water in the tank reaches the pre-set target, the controller switches the MOV from the Fill (open) position to the overflow position
- This results in the same visual indicator to the fill crew that the tank has been filled i.e. water spills out the overflow port. Zero training in this case is required for the fill crew
- When the aircraft is ready to taxi and the parking brake is dis-engaged, the controller switches the MOV back to the open position for flight

