

CTS FUEL RECIRCULATION UNIT

CTS1033 | CTS1048



CTS ADVANCED FUEL CONDITIONER

CTS1080



CTS1081 | CTS1082 | CTS1083
Now available with MODBUS for BMS integration, and/or Level Gauge.

OR

FILTRATION

Two stage Piusi filtration with bowls to observe and drain any contamination - 30 micron water and particle filter, and 5 micron final finishing filter.

Magnetic fuel conditioner to break up any bacteria growth and diesel bug to prevent filter blockages.



Two stage high performance filtration using Cim-Tek Ultimate Defense® filters - 10 micron water and particle filter, and 2 micron final finishing filter.

Magnetic fuel conditioner to break up any bacteria growth and diesel bug to prevent filter blockages.

Engineered to target ISO 14/13/11 fuel quality via multi-pass filtration, with water content removal to under 60ppm.

OPERATIONAL INFO

Input for an alarm/gauge and leak probe to detect low level/leaks. If activated, warning light shows and pump will shut off until issue is resolved.

Filter block - warning light shows.



Input for an alarm/gauge and leak probe to detect low level/leaks. If activated, warning message shows on the digital panel and pump will shut off until issue is resolved.

Filter block warning message to indicate that filters must be changed for operation to continue.

Filter degradation warning and flow rate graph to warn user of when the filters are likely to block - allowing pre-emptive maintenance to take place.

Event and alarm logs to show history - i.e. low level/leak occurrences, filter degradation/block messages, pump stopped, and log in/out info.

Pump service required message (based on the pumps estimated working life) - directing the user to order a replacement pump from your website via a QR code.

FUNCTIONALITY

Italian manufactured Piusi Panther pump for a long, trouble-free service life.

Flow switch will detect when the filters are blocked, and stop the pump until action is taken (filters are replaced).

Internal timer to control the period the fuel is circulated. Set as standard to turn over 1.5x the tank capacity every 28 days (the period that it takes for bacteria to form).



Italian manufactured Piusi Panther pump for a long, trouble-free service life.

Piusi K600/3 pulse meter to count the flow rate and identify a drop which would display a message on the panel indicating filter degradation. If the flow stops completely due to a blocked filter, pump will turn off until filters are replaced.

Automatically set system run times to run between 9am & 5pm Mon-Fri, turning over 1.5 x tank capacity per month.

★ Model with constant reading level gauge on the touchscreen display, showing tank contents by bar chart and in litres. Low level setting to shut system off until resolved (without external gauge/alarm).

CONTROL PANEL

IP55 rated control panel with large, coloured lights for diagnosing any issues that need to be dealt with i.e. filter blocked and low level/leak/fault.

Two passive BMS outputs for the remote warning of filter block and low level/leak/fault to alert the user that they need to take action.



Custom micro controller with touchscreen technology and advanced operational information (see 'operational info' section above).

Engineer login required to prevent tampering, and manual mode to enable system priming.

Two passive BMS outputs for the remote warning of filter block and low level/leak/fault to alert the user that they need to take action.

★ Model available with Modbus for connecting to an external BMS, to communicate statuses such as: Pump running, filter block, filter degraded, litres in tank (gauge version* only), low level, leak.

BRANDING

Unit can be branded with personalised label with your company logo, branding and details so they know who to contact for spare filters and parts.



Unit and touchscreen panel can be branded with customisable QR codes to send users directly to your website to buy spare parts when required.

INSTALLATION

Unit is plated for sturdy fixing to a metal fuel tank or cabinet.



Unit is plated for sturdy fixing to a metal fuel tank or cabinet, with fixing points for easy manoeuvring without obstructing filters.

*AFC model available with both Modbus and Gauge.