

FITTING INSTRUCTIONS

The Tankmaster is supplied for connecting to 10mm diameter oil line. See Note 2 below if other pipe sizes are to be fitted. **THE TANK SHOULD BE INSTALLED WITH AT LEAST 30 CM (ONE FOOT) CLEARANCES UNDER THE TANKMASTER FILTER BOWL.** This is to allow adequate clearance for maintenance of the filter, including room for a container to collect any spillage. The Filter should be replaced at each Tank and Boiler service – Part Number **TM4660F**.

This Atkinson Tankmaster Gauge has been fully tested and was in good condition on leaving the works; reasonable care in fitting will ensure trouble-free operation. The following fitting sequence must be followed:

1. Remove circlip in the centre of the handle. To remove the circlip, hold handle away from circlip and insert screwdriver in one of the two slots in circlip (holding the screwdriver handle in the palm of the hand), slide thumb down screwdriver blade until in contact with circlip and prize off, holding circlip between thumb and screwdriver all the time.
2. Turn the handle clockwise until it disengaged, then remove.
3. Undo the union nut.
4. Push out union from body and remove 'O' rings.
5. Dress union thread with PTFE tape and suitable pipe sealant, careful not to get tape off the end of the union. Screw union into tank boss.
6. Place one 'O' ring on union body.
7. Position gauge body over union body to suit take-off direction (the gauge body is reversible)
8. Place second 'O' ring in position then replace and tighten union nut, making sure thread recess is next to the gauge body.
9. Replace handle and circlip. To replace circlip, slide the open end of the circlip into the groove and then press full home by using the flat of a screwdriver. **When circlip is in position ensure that the handle is turned clockwise to leave the valve shut until you are ready to allow the fuel to flow.**
10. The sight tube assembly should now be screwed into the gauge body; the sight gauge should always, throughout its length, be as close to the tank as possible. The top clip is secured to the tank top by means of the two self-tapping screws provided.
11. The top cap is then fitted and secured by means of one self-tapping screw through the cap into the back of the sight shield.
12. The oil line should now be connected using the 10mm OD. compression fitting provided. Before fitting the oil line, insert the hard copper insert into the cut end of the 10mm OD. soft copper line before making the compression joint. Fittings provided.
13. **IMPORTANT.** When the tank has been filled the pull to read button should be held open until no further air bubbles pass up the sight tube. This will allow any air trapped in the filter bowl to escape ensuring free flow of oil down the feed line.
14. Once the fuel is flowing through the Tankmaster turn the control valve hand wheel one quarter turn clockwise. This will stop the hand wheel locking tight over time.

Note 1:

It is not necessary to add sealants to any joint other than the tank union to tank outlet; and for this we recommend PTFE tape. Make sure that the PTFE tape does not run off the end of the union threads. **See also note 3.**

Note 2:

When used with 3/8" diameter oil line, fit a 3/8 compression olive in place of the 10mm olive, for 15mm feed line use 3/8 BSP to 15mm compression fitting. (Provided on request only).

Note 3:

When fitting the Series II Tankmaster to a plastic, rotationally moulded tank, it is necessary to install an Adaptor, part No. **TM4545** (3.5 inch) or **TM4547** (7.25 inch) or **TM4549** (6.25 inch) dependent on length required, joint between Tankmaster and Adaptor should be sealed with PTFE tape and joint between Adaptor and tank union should be sealed with PTFE tape and a suitable pipe sealant. Adaptors are available from your normal stockist or from

www.fueldump.co.uk

MAINTENANCE

Tankmaster filter kits and all spare parts are available at www.fueldump.co.uk



The Tankmaster must be serviced at least every 12 months

Servicing the handwheel:

Carefully remove the circlip on the end of the control valve spindle. Turn the hand-wheel clockwise until it spins free and can be removed. Apply copper ease or similar grease to the threads of the hand wheel and replace the hand wheel and circlip. **DO NOT** at this point operate the hand-wheel into the open position.

Servicing the 'Pull to Read' valve:

Pull the "Pull to read" button fully into the open position and apply copper ease or similar grease to the pull to read shaft working it into the body by pulling and releasing the button.

Replacing the filter kit:

First make sure you have your new TM4660F replacement filter kit. The Tankmaster filter is not a washable filter! The filter is situated on the bottom of the Tankmaster. With the hand wheel in the closed position place a container under the Tankmaster to catch any spillage from the filter when it is removed. Using a 17mm spanner, remove the bolt under the filter bowl. Remove the bowl and slide the filter down the filter tube and discard. Remove the bowl seal located in the Tankmaster body bowl groove and discard; finally remove the collapsible seal from the bowl fixing bolt and discard. From the new filter kit take the new bowl seal "O" ring and fit into the Tankmaster body groove. Slide the new filter home up the filter tube until the filter tube appears through the bottom of the filter. Fit the new collapsible seal to the 17mm bolt insuring that the rounded edge is under the bolt head.


Servicing the filter bowl:

After cleaning any sludge from the filter bowl locate the bowl into the "O" ring groove of the Tankmaster Body, insert the bolt and tighten using a 17mm spanner. (Do not over tighten). On completion of the service pull and hold the "pull to read" button until there are no air bubbles rising up the sight tube.

Replacing the sight tube:

Sight tubing may over time discolour requiring it to be replaced. The Tankmaster sight tube assembly can be replaced as a unit e.g. 4'6" **TM4480** or the tube can be replaced with a cut length from a role of sight tubing **COM2080**.

Level indicator:

You may wish to replace the green level indicator float **SG2000** at the same time as you replace the sight tubing. 

Note:

The fire valve is situated in the middle of the hand-wheel. If the fire valve has activated the valve spindle will have pushed the soldered bush out of the hand wheel, closing the valve. The hand wheel **TM4310** will need replacing before the valve can be operated again.

TIP: Always use support tubes **TM4172** inside soft copper oil lines to ensure air tight joints when using compression joints.



ATKINSON TANKMASTER

The Atkinson Tankmaster Gauge is a Four in one sight gauge system designed and built to BS 799 that includes a sight gauge with a control valve, filter, and fire valve.

To operate the sight gauge:

On the side of the Tankmaster body above the oil line there is a "Pull to read" button to take a reading, pull and hold the button in the open position until the level in the sight gauge stabilises. When the knob is released it will return to the closed position automatically.

To operate the control valve:

The control valve hand wheel is to be found on the front of the Tankmaster. By turning the wheel, the valve is opened and closed as required. By turning the wheel Clock wise, the valve closes. With valve fully closed the hand wheel will spin freely in the clockwise direction.

To open the valve the hand wheel is turned anti-clockwise until the wheel stops. **(It is advisable to turn the hand wheel one quarter of a turn clockwise when fully open; this helps to stop the threads locking between operations).**

Also available from Atkinson Equipment



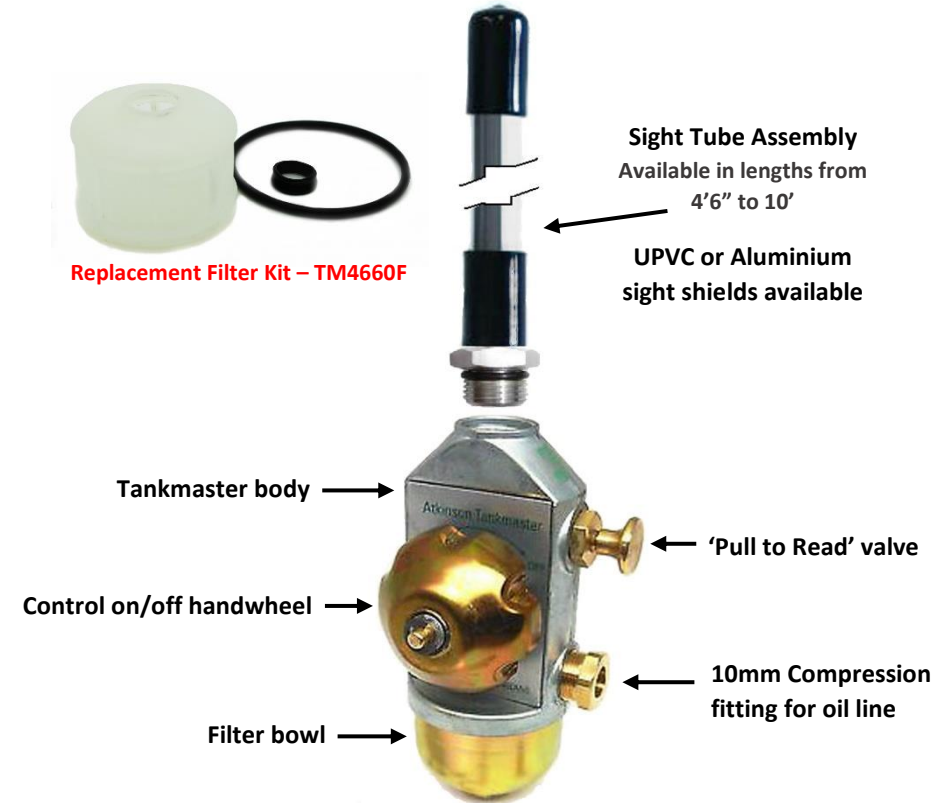
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Tankmaster Gauge



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