

# COOLMXR – Coolant Mixer

## Package Contains:

- 1 x CoolMXR mixing body
- 1 x Ball valve tap
- 1 x 300mm Poly riser
- 1 x 400mm Poly riser
- 1 x York filter strainer
- 2 x Poly riser connectors
- 1 x 12mm outlet tube



## Installation:

- 1) Firmly secure poly risers (14) together and into the bottom of the Barrel mount adaptor (13)
- 2) Ensure York strainer filter (15) is screwed into poly riser and secure
- 3) Remove the bung from the top of the coolant oil drum
- 4) Feed the suction poly riser tubes into the barrel through bung hole
- 5) Screw CoolMXR into the barrel until securely tightened against flange face
- 6) Attach outlet tube (8) to hose fitting (7) and secure with hose clamp provided
- 7) Connect water source to the tap fitting (12) (ensure water is turned off)
- 8) Turn on water supply (full pressure 25-75PSI)
- 9) Using a refractometer, measure the concentration being dispensed from the CoolMXR outlet
- 10) Adjust dial (1) on the CoolMXR to set the required concentration
- 11) Lock dial in place with the 2 grub screws on top of the dial to ensure ratio is fixed
- 12) Remove small bung from the drum to allow pressure release

## Maintaining concentration:

- Use a refractometer to measure the concentration of the mixed coolant
- Be sure that your refractometer is clean and calibrated before measuring
- Once the valve is open allow a few seconds before measuring concentration from outlet, or from a filled coolant bucket. This is to allow time for the oil to be drawn and mixed.

\* Note - If concentration is measured immediately after opening the valve, there may be more water than oil, resulting in an inaccurate reading.

## Troubleshooting:

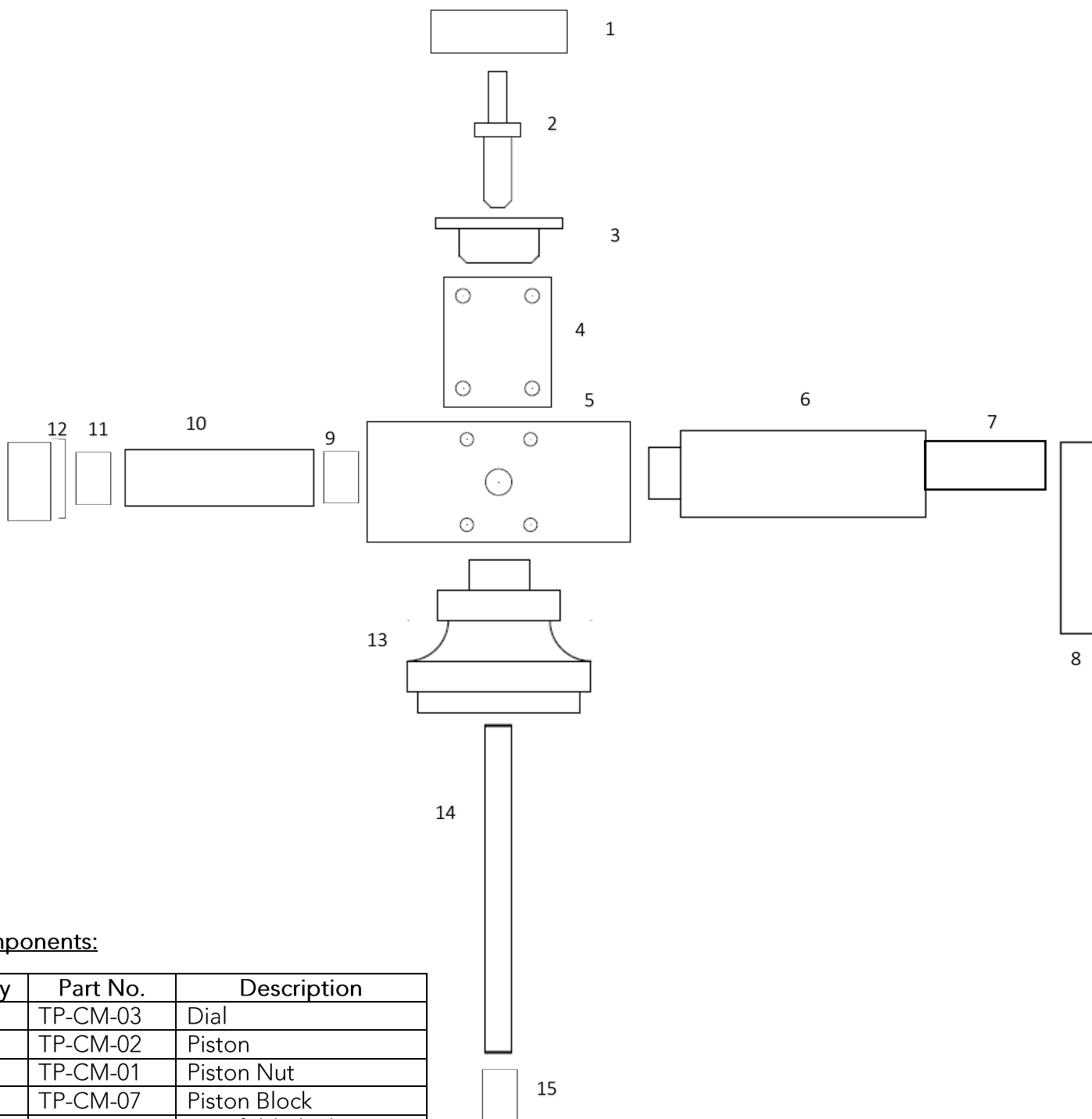
Problem	Cause	Solution
1. Unit does not draw oil	<ol style="list-style-type: none"> <li>a. Clogged filter fitting at end suction tube</li> <li>b. Water pressure is too low</li> <li>c. O-ring is split or displaced</li> </ol>	<ol style="list-style-type: none"> <li>a. Clean or replace filter fitting</li> <li>b. Use different water source - minimum 1.67 bar (25PSI) is required.</li> <li>c. Refit or replace O-ring</li> </ol>
2. Water getting into oil container	<ol style="list-style-type: none"> <li>a. Build-up of mineral deposit in manifold block</li> <li>b. Faulty or missing filter fitting</li> </ol>	<ol style="list-style-type: none"> <li>a. Clean manifold with demineralising solution</li> <li>b. Repair or replace filter fitting</li> </ol>

### Note:

Through extended use, mineral deposits (known as scale) may form within the manifold block. This is common in hard water areas. To remove scale, soak the manifold block in descaling or deliming solution.

Alternatively, descaling solution can be siphoned through the MXR unit by placing the intake tube into descaling solution and operation the unit. After running the solution through the MXR unit for a minute, place the intake tube into clean water for and run through for a further few minutes, this is to flush out the unit. Once this process is completed, replace the intake tube back into the oil for standard use.

Mixer layout:



Components:

Key	Part No.	Description
1	TP-CM-03	Dial
2	TP-CM-02	Piston
3	TP-CM-01	Piston Nut
4	TP-CM-07	Piston Block
5	TP-CM-06	Manifold Block
6	TP-CM-05	Spout Extension
7	TP-CM-13	Hose Fitting
8	TP-CM-15	Outlet Tube 1.2m
*9	TP-CM-10	15 x 15 Hex fitting
10	TP-CM-08	1/2" Ball Valve
11	TP-CM-11	15 x 20 Hex Fitting
12	TP-CM-16	Tap fitting
13	TP-CM-04	Barrel mount adaptor
14	TP-CM-14	Suction Tube 1m
15	TP-CM-09	York filter fitting

\*only on selected models