



Cooling System Pressure Tester

Attaches to all cooling systems without adaptors



Instruction Manual



CAUTION!



For your safety, read this manual thoroughly before using this tool.
Failure to follow the instructions may result in personal injury.

- Wear eye protection at all times.
- Do not remove the radiator cap whilst the engine is hot.
- Allow system to cool below 40°C (104°F) before commencing any testing, repairs or removing analyser.
- Do not run engine while pressure testing.
- Do not use in Radiators or Header Tanks with internal neck diameters greater than 45mm (1-3/4").

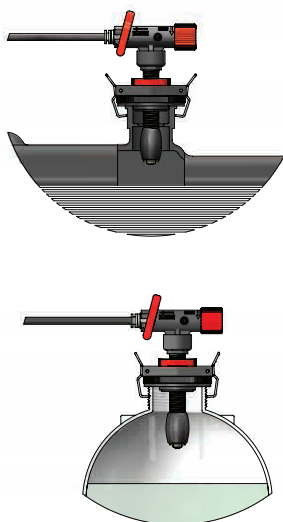


FEATURES

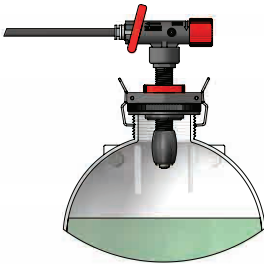
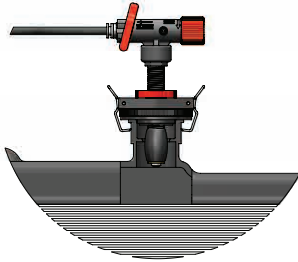
- Universal fitment to most passenger and light commercial vehicles eliminating the need for multiple adaptors.
- Suitable for motorcycle and marine applications.
- Fluid drain hose allows coolant to be returned to the coolant reservoir or safely collected in a container for recycling.

1. ATTACHING TO SYSTEM:-

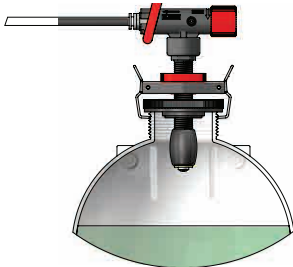
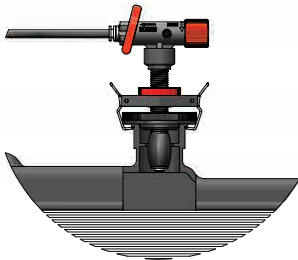
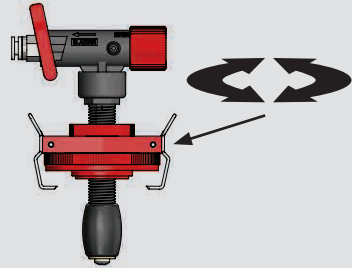
- Remove radiator pressure cap (observing precautions inside front cover) and check condition. Adjust heater control to 'heat' position.
- Inspect filler neck for any sharp obtrusions that may damage the bladder and remove if necessary.
- Check coolant level and top up if required.
- To ensure secure fitting and positive sealing it is desirable that the analyser be adjusted so that two-thirds of the bladder is below the lower flange of the radiator or header tank (see figure 1.2).
- To ensure the setting is correct, use the following steps.



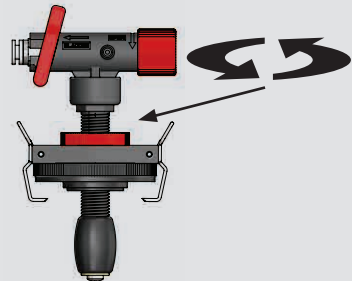
1.1 - Insert analyser into radiator or header-tank opening.



1.2 - Adjust support plate and bladder in desired position (Approx two-thirds below the lower flange.)



1.3 - Adjust floating nut anti-clockwise until retaining clips are secured (As shown.)

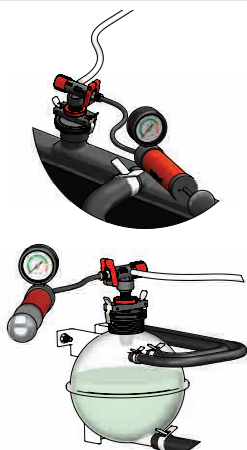
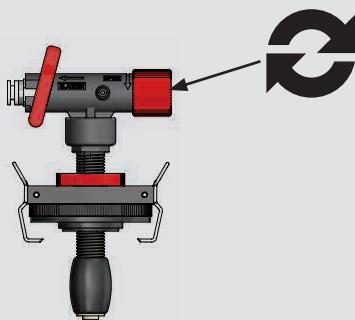


2. PRESSURE TESTING SYSTEM:-

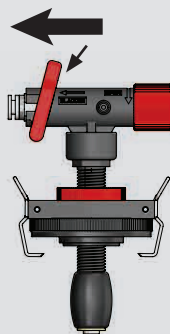
- Do not run engine while pressure testing.
- Prior to testing place drain hose into coolant reservoir or suitable clean container.

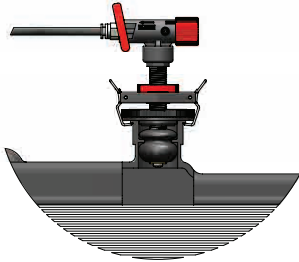


2.1 - Tighten bleed cap.



2.2 - Move lever into "Bladder" position.

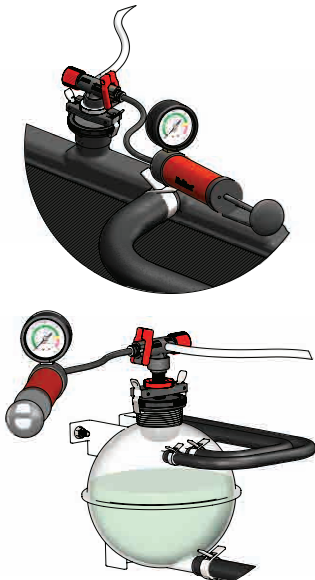
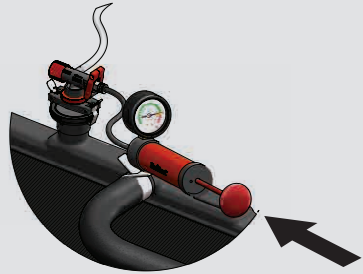




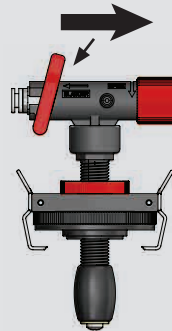
25 psi

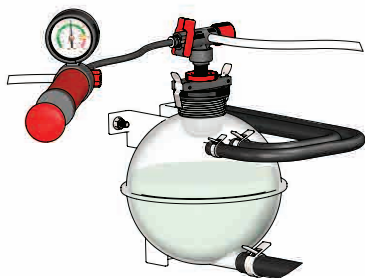
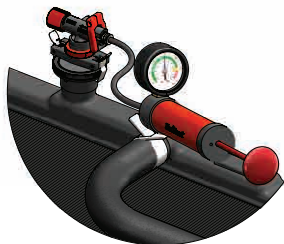


2.3 - Operate hand pump to inflate bladder to 25 psi (yellow indicator on gauge.)

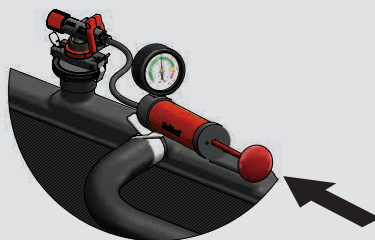


2.4 - Move lever to system position.





2.5 - Operate hand pump to pressurise system to manufacturers specified pressure – do not exceed this pressure as system damage may occur.

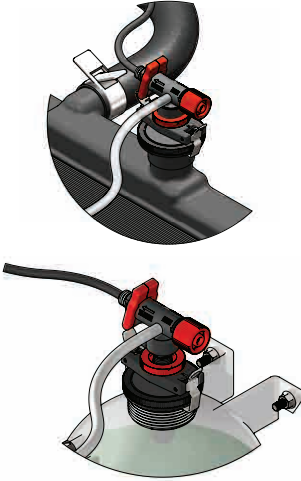


- If system pressure is maintained no leaks are present
- A pressure drop indicates a system leak.

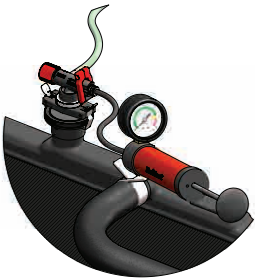
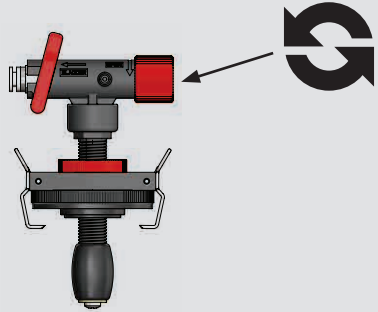
NOTE: If testing is being carried out on a warm engine a pressure drop may occur due to engine cool down, which may not be due to a leak. Pressurise and inspect again after cool down is complete.

- Continued pressure drop – Visually inspect for external leaks.

3. REMOVAL FROM SYSTEM:-



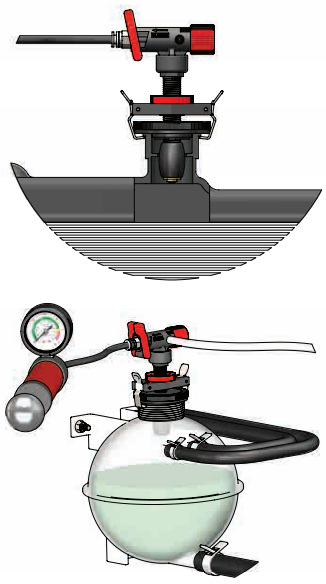
3.1 - Turn bleed cap anti-clockwise.



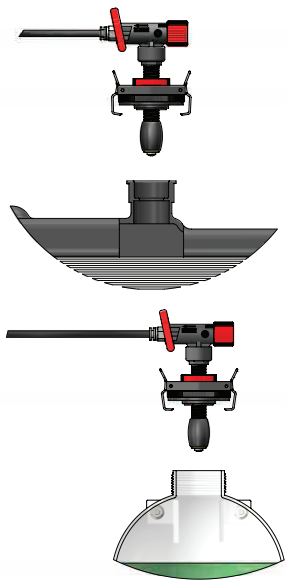
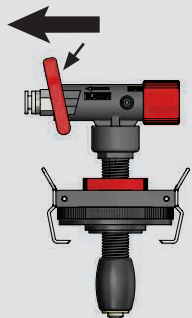
3.2 - Allow pressure to release via drain hose until gauge reads "0" psi.



Do not proceed
to next step until
gauge reads
"0" psi

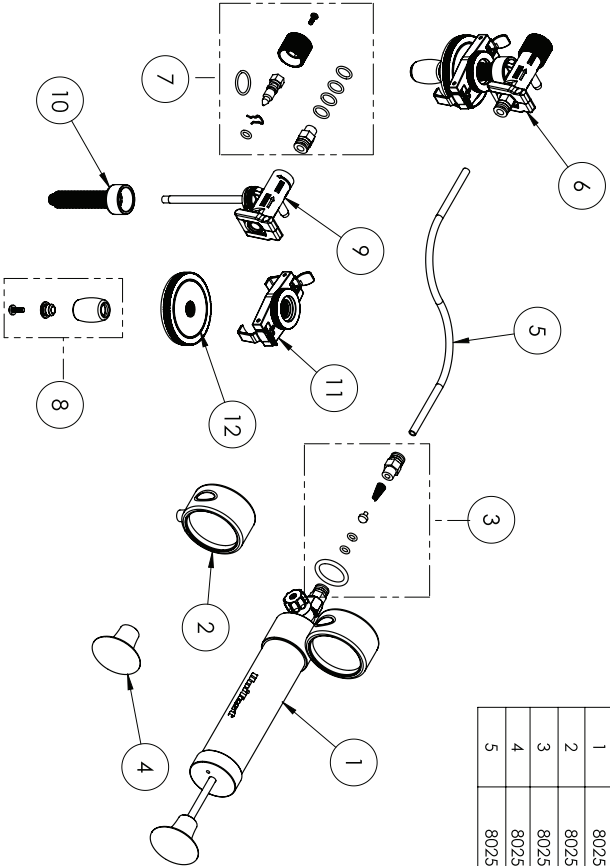


3.3 - Move lever into “Bladder” position.



3.4 - Release retaining clips and remove analyser.

PUMP		
ITEM NO.	PART NO.	DESCRIPTION
1	80250	PUMP ASSEMBLY
2	80251	GAUGE WITH PROTECTOR
3	80252	SERVICE KIT
4	80253	KNOB
5	80254	HOSE



ADAPTOR

ITEM NO.	PART NO.	DESCRIPTION
6	80201	HEAD UNIT ASSEMBLY
7	80202	SERVICE KIT
8	80003	BLADDER REPAIR KIT
9	80207	MAIN BODY ASSEMBLY (INCLUDES SLIDE VALVE)
10	80008	STEM
11	80009	SUPPORT PLATE ASSEMBLY
12	80010	SAFETY SHIELD ASSEMBLY
	80011	NECK EXTENSION - (BLUE)
	80012	NECK EXTENSION (RED)
	80013	NECK EXTENSION (BLACK)



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