



Master Fluid
SOLUTIONS™

USER MANUAL

XYBEX™
Master Blend



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XYBEX™ Master Blend Venturi Coolant Mixer

PACKAGE AND PARTS

Accessories



Included items:

1. 1x Master Blend Venturi Mixer Body
2. 1x 205L Barrel Mount Adaptor
3. 1x 300mm Polypropylene riser
4. 1x 400mm Polypropylene riser
5. 1x 12mm Outlet tube
6. 2x Poly riser connectors



XYBEX™ Master Blend

Venturi Coolant Mixer

SPECIFICATION AND APPEARANCE



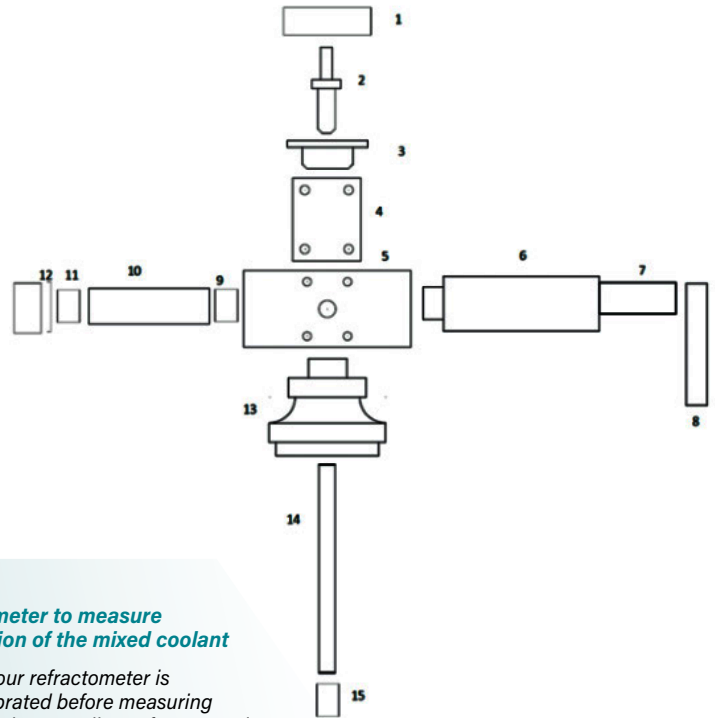
Dilution Range	1:100 to 1:5 (1 to 20%)
Connection Size	3/4" BSP
Housing Material	6061 Aluminum
Operating Temperature Range	+/- 25° Celsius
Operating Pressure Range	30-75 Psi
Description	40W x 40H x 250L Venturi proportional mixer tap with flow ball valve, stainless filter, poly risers hoses, and all fittings.



XYBEX™ Master Blend Venturi Coolant Mixer

INSTALLATION:

Key	Description
1	Dial
2	Piston
3	Piston Nut
4	Piston Block
5	Manifold Block
6	Spout Extension
7	Hose barb
8	Outlet Tube 1.2m
9	Hose clamp
10	1/2" Ball Valve
11	15 x 20 Hex Fitting
12	Tap fitting
13	Barrel mount adaptor
14	Suction Tube 2x 400mm
15	York filter fitting



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.

Pail Mount Adapter

- 01** Firmly secure poly risers (14) together and into the bottom of the Barrel mount adaptor (13)
- 02** Ensure York strainer filter (15) is screwed into poly riser and secure
- 03** Remove the bung from the top of the coolant oil drum
- 04** Feed the suction poly riser tubes into the barrel through bung hole
- 05** Screw Master Blend into the barrel until securely tightened against flange face
- 06** Attach outlet tube (8) to hose fitting (7) and secure with hose clamp provided
- 07** Connect water source to the tap fitting (12) (ensure water is turned off)
- 08** Turn on water supply (full pressure 25-75PSI)
- 09** Using a refractometer, measure the concentration being dispensed from the Master Blend outlet
- 10** Adjust dial (1) on the Master Blend 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:

*** 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
Unit does not draw oil	<ul style="list-style-type: none">a. Clogged filter fitting at end suction tubeb. Water pressure is too lowc. O-ring is split or displaced	<ul style="list-style-type: none">a. Clean or replace filter fittingb. Use different water source - minimum 1.67 bar (25PSI) is required.c. Refit or replace O-ring
Water getting into oil container	<ul style="list-style-type: none">a. Build-up of mineral deposit in manifold blockb. Faulty or missing filter fitting	<ul style="list-style-type: none">a. Clean manifold with demineralising solutionb. Repair or replace filter fitting

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 Master Blend unit by placing the intake tube into descaling solution and operation the unit. After running the solution through the Master Blend 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.



XYBEX™ Master Blend
Venturi Coolant Mixer

MANUFACTURER'S WARRANTY CARD

Product name: XYBEX™ Master Blend

Model: Master Blend

Serial No.: _____

Quantity: _____ Set

Warranty period: _____ year _____ month _____ date

▪ **Manufacturer's guarantees:**

For units purchased from the official dealers of XYBEX that are naturally found with defects or with replacement requirements, will be able to apply for the free parts delivery and are requested for approval from either the dealers or the head branch of XYBEX.

▪ **Warranty period:**

12 months warranty starting from the date of receipt.

▪ **Warranty coverage:**

For newly purchased units that are within the warranty period will be provided with services of maintenance or replacement once approved and confirmed to be naturally defected or damaged.

User Info

Company name: _____

Applicant: _____

Phone: _____

Fax: _____

Address: _____

Machine Serial No.: _____

Date: _____



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www.masterfluids.com/ap/en-ap/

Mail: apac-info@masterfluids.com



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