



Purasolve Portable Foamer

OWNER'S MANUAL



envirofluid
FOR A BETTER WORLD

PORTABLE FOAM UNIT

Owner's Manual



1 SPECIFICATIONS



Model	ENVIROFLUID PORTABLE FOAMER 95 Litres	
Driven by	Compressed air	
Air pressure	Min 2.7 bar (2.8 kgf / cm ² or 40 psi) Max 5.5 bar (5.6 kgf / cm ² or 80 psi)	
Air connection	Male quick connector SWE/1	
Solution type	Chemical solution diluted in water	
Solution temperature	Min 5°C Max 37°C	
Outlet hose length	Included 9 m blue	
Dimensions	H = 1200 mm W = 390 mm D = 450 mm	H = 970 mm W = 390 mm D = 645 mm

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2 OPERATING INSTRUCTIONS

STEP 1



Open the tank cover and pour the chemical already diluted in water according to its application.

STEP 2



Close completely the foam lance ball valve.

STEP 3



Connect the air supply inlet in to the connector on the back cover.

STEP 4



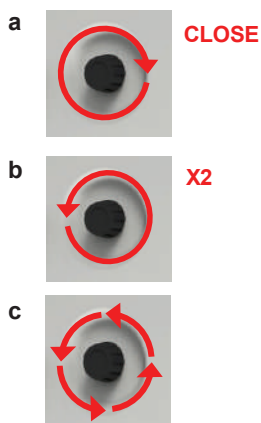
Carefully open the foam lance ball valve pointing it toward a drain.

STEP 5



Foam adjusting:

- Close the needle valve at the rear of the tank by rotating it completely clockwise, wait a moment until liquid begins to come out from the foam lance;
- Make 2 complete turns counterclockwise of the needle valve, wait a few seconds and check the quality of the foam;
- If the foam quality is not at the right density, continue to open the needle valve at 1/4 of a turn at a time and wait for a few more seconds. If the quality doesn't reach the expected density, repeat this step until you achieve the correct density.
- If the blasting jet is interrupted, it means that the regulation has passed the point of stability. Return to step 5a and start the calibration.

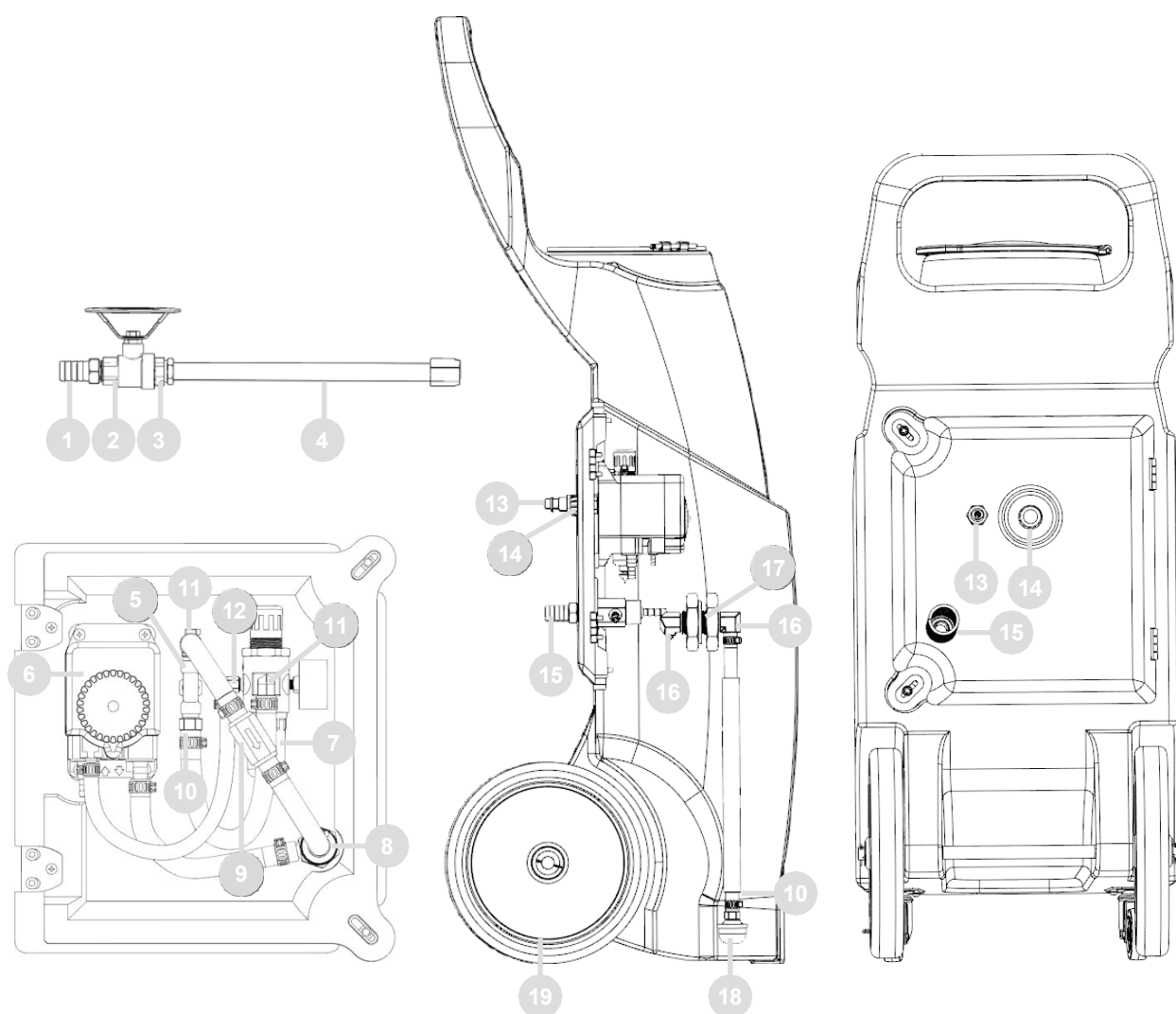


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3 PARTS LIST



1. Straight connection 1/2" x 3/4"	8. Connection T-Mixer	15. Extended Straight Connection - 1/2" x 3/4"
2. Ball Valve	9. Check Valve	16. Elbow - 1/2" x 3/8"
3. Reducing Bushing	10. Straight connection - 1/4" x 3/8"	17. Union
4. Foam Lance	11. Elbow - 1/4" x 3/8"	18. Suction Filter
5. Air Needle Valve	12. Elbow - 1/8" x 1/4"	19. Wheel
6. Diaphragm Pump	13. Air intake - Male quick connector SWE/1	
7. Air Filter and Regulator	14. Needle Valve Knob	

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4 SAFETY INSTRUCTIONS

1. Always wear safety goggles and protective gloves while operating foam unit.
2. Avoid contact of cleaning agent with skin and eyes. If contact occurs rinse affected area with water for 15 minutes and get medical attention if needed.
3. After use, relieve all remaining pressure in the system by unplugging the air line from the unit (item # 9) and opening the discharge ball valve (item #5).
4. Never point the discharge wand at anyone.
5. Be sure to flush the unit with fresh water for 5 minutes when switching from an alkaline to an acid or an acid to an alkaline.

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5 OPERATION INSTRUCTIONS

1. Fill the drum with combination of water and foaming chemical, 4 - 6 oz. Per gallon of water is recommended.
2. With ball valve (item#5) in the closed position, plug an air line into the air fitting (item#9).
3. Slowly open the ball valve (item#5).
4. Adjust the wet foam / dry foam valve (item#18) to desired wetness or dryness of foam following the steps below:
 - A. Close valve completely in clockwise direction.
 - B. Open valve in counter-clockwise direction 3 complete turns.
 - C. Continue to open valve in 1/4 turn increments allowing 30 seconds between adjustments until proper consistency of foam is achieved.
 - D. If the valve is open too far it can cause the pump to stall out. If this occurs begin again with step A.

6 AFTER USE INSTRUCTIONS

1. It is recommended to run a gallon of fresh water through the unit after each use. With the discharge ball valve (item#5) open run the unit until the gallon of water has gone through the unit and discharged out of the discharge hose.
2. Disconnect the air line from the air fitting (item#9) and relieve any remaining pressure in the system by having the discharge ball valve (item #5) in the open position.
3. Close the discharge ball valve (item#5) when all the pressure is relieved from the system.

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7 PRODUCTS

ACCEPTABLE PRODUCTS

- Alkaline Cleaners
- Caustic Cleaners
- Sanitisers
- Acids

UNACCEPTABLE PRODUCTS

- D-Limonene (Ok with Viton Pump only)
- All hydrocarbons

8 TROUBLESHOOTING INSTRUCTIONS

1. Check for proper air pressure (60 psi or more into unit, 60 psi on ag100 (item #37).
2. Check air inlet filter bowl (item #34) for debris such as water, oil, or rust particles. Clean by pulling down on the bottom of the filter.
3. Check for plugged strainer (item #31). Replace strainer if necessary, strainer must be used.
4. If wet foam/dry foam valve (item #18) is open too far the pump will not cycle properly due to lack of air pressure. If this occurs, reset valve as described in operating instruction #4.
5. Make sure proper foaming chemical and concentration is being used.
6. If air passes through the pump (item #24) without cycling, replace pump.
7. If foam solution backs up into air filter (item #34) the check valve (item #20) needs to be replaced.
8. If foam comes out wet no matter where the wet foam/dry foam valve is positioned the check valve (item #20) may need to be replaced.

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9. If unit foams at a reduced pressure:
 - A. Check the air supply into the unit. If it is low, turn the foam unit off until the compressor can catch up.
 - B. If the air supply is 60 psi or above, check the air gauge (item #37) which should read near 60 psi. If the gauge is more or less than 60 psi, adjust the pressure by turning the knob on the top of the regulator (item #38).
 - C. If both of the above are OK, the stainless steel mixing mesh could be plugged. Remove and clean it following the instructions below:
 - i) Be sure the foam unit is not plugged into an air supply and be sure to relieve all stored pressure in the unit by having the discharge ball valve (item #5) in the open position.
 - ii) Remove the hose barb (item #8) from the tee (item #22).
 - iii) Remove the screen and the mixing mesh from inside the tee (item #22).
 - iv) Clean any particles from the mixing mesh and the screen.
 - v) Replace the mixing mesh then the screen into the back of the tee (item #22) and screw the hose barb (item #8) back into the tee (item #22).

(It is recommended to use a pipe thread sealant when reinstalling the hose barb into the tee).

Note: if the mixing mesh has a lot of foreign particles in it, make sure the strainer is still in place (item #31).