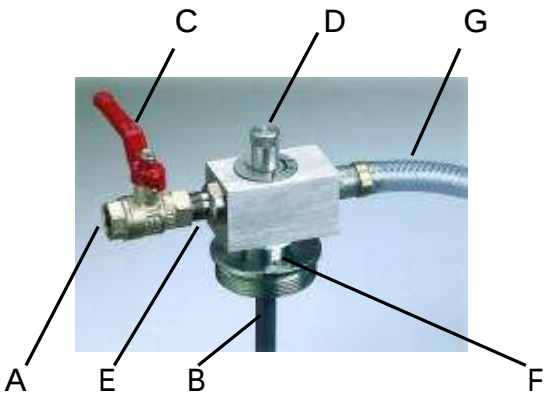
# ROCOL® Automatic Fluid Mixer

ROCOL® Automatic Fluid Mixer accurately mixes and dispenses water mix cutting and grinding fluids from the barrel. Suitable for mounting on all drums fitted with standard tri-sure 2” BSP closures.




## Installation

Connect the water supply directly to the ROCOL® Mixer at the open end of the ball valve (A). The water supply hose must have as free access as possible to achieve maximum mixer efficiency.

The additive liquid is sucked up through the pipe socket at the bottom of the mixer (B). The mixer can be supplied with a suction pipe or a hose.

As standard, the mixer is delivered with a suction pipe for mounting directly in a tank with a 2” threaded hole. The suction pipe should be cut to fit in the actual tan; the lower end of the pipe should be approx. 10 mm above the bottom of the tank. Fixing the mixer to the tank is easy; the threaded flange rotates and can just be screwed down into the tank. No pipes or hoses have to be dismantled when shifting or refilling the tank.

The ROCOL® Mixer supplied with a hose is used mainly in smaller tanks or in situations where the mixer is fixed to a wall or similar. The hose is fed down into the tank. (The ROCOL® Mixer can also be delivered with wall mountings).

Use valve (C) to turn the water supply on and off. (C) should stay fully open when mixing a solution.

In order to avoid waste when not in use, the outlet hose (G) should be placed on the supplied hook above the mixer.

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# Technical Data

Performance you can trust

## Mixing Ratio

The ROCOL® Mixer is supplied with a variable adjustment knob (D) and an indicator. The indicator scale is divided from 0 to 10. 0 means minimum additive liquid and 10 means maximum additive liquid. The indicator scale should not be taken as an absolute percentage ratio, because the viscosity of the additive liquid influences the mixing ratio; instead it effectively gives a value based on trial and error. To ensure accurate setting of the dilution, check the mixed cutting/grinding solution with a ROCOL® Refractometer.

To prevent faulty operation the ROCOL® Mixer is supplied with two ball check valves. One is located inside the water supply connecting piece (E). This will ensure that the additive liquid does not run back into the water supply line should water pressure fail whilst valve (A) is open. The other ball valve is placed in the suction pipe socket at (F) and will ensure that water does not run down into the additive liquid.

## Note

- The ROCOL® Mixer must always be mounted horizontally within ±10o. (Because of the ball check valve inside the pipe socket).
- The suction height should not exceed 1 m.
- The outlet aperture is supplied with a plastic hose (G). This must always be open and must not be connected to any device that can restrict liquid flow.
- The factory guarantee will be annulled if you modify anything in/on the ROCOL® Mixer.
- Fluctuations in water pressure may alter the dilution settings.

## Important

If you use the ROCOL® Mixer direct from the mains tap there is a risk of backflow into the water system – this practice does not comply with the WRAS (Water Regulations Advisory Scheme).

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.
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