

The mixing of liquids RESYmix in the metal processing industry



RESYmix automatic



RESYmix mixing devices operate using the jet pump principle. They provide extremely homogeneous and stable mixtures of emulsions and solutions. The benefits of this are:

Adherence to the prescribed concentration, less tool wear, reduction in cost of disposing of old emulsion, less use of expensive concentrate. In short, an investment that pays for itself in full within a short time.

The devices are cast from top quality GG 22. This has made it possible to give the flow channels the best possible design. The devices therefore have no internal piping. Bad mixtures are therefore prevented. The final mixture can be transported away at a manometric counterpressure of 0.4 bar. All devices

are fully assembled and ready for connecting, as is evident from the pictures.

The devices are supplied ready for operation. During assembly it must be taken into consideration that the water supply pipe must be adequately dimensioned. The flow pressure must be constant. If the water pressure fluctuates it is advisable to install a normal commercial pressure regulator upstream.

The devices are installed directly above the concentrate tank. Once the intake hose has been suspended in the barrel the devices are ready for operation. Open the valve and then adjust and check the mixing ratio. With automatic devices an automatic shut-off occurs when the concentrate barrel is empty.

Manual, automatic, stationary and mobile RESYmix devices are available for any capacity. The automatic devices are controlled using a level probe from the emulsion tank. When the concentrate barrel is empty the devices are automatically shut off and visual indication is given of the lack of concentrate. High-percentage master emulsions also can be manufactured, e.g. during rapid filling of large systems. A dynamic water pressure of 1.7 bar is required to operate the RESYmix mixing devices. Manual refractometers are also available for measuring the concentration.

Installation size RESYmix

Duplex	700	manual	700 l/h
Duplex	1600	manual	1600 l/h
Duplex	2500	manual	2500 l/h
Duplex	700	automatic	700 l/h
Duplex	1600	automatic	1600 l/h
Duplex	2500	automatic	2500 l/h
Duplex	4000	automatic	4000 l/h
Duplex	8000	automatic	8000 l/h