

WATER-DUST FEEDING INSTALLATION FOR WP TYPE OF BOILERS

WP feeding installation is meant to feed catalyst in the form of water suspension for WP type coal boilers.

WP feeder is equipped with two pumps. Water-dust suspension, which is formed in the container, is passed with a feeding pump to feeding nozzles whereas the other circulating pump is used for continuous mixing of the catalyst suspension preventing its settling in the container.

Advantages of such solution include the possibility of forming water catalyst suspension directly before its supply to coal feed, excluding transport of large volumes of water solutions to the place of dosage, as well as facilitating dry catalyst storage without the necessity of heating storage rooms.

Correct concentration of the suspension is set automatically.

Intensive catalyst mixing in the working container is achieved thanks to applying the circulating pump.

At the same time, the level of catalyst suspension in water in the working container is controlled with level detectors, which periodically provide the container with a new portion of the suspension.

WP feeding installation is controlled with a driver whose display enables fluid adjustment of the amount and speed of catalyst feeding.

The feeding installation is powered with 230V.

