

COMPACT ELECTROSTATIC PRECIPITATORS

ZVVZ-Enven Engineering, a.s. SUPPLIES DRY HORIZONTAL CHAMBER ELECTROSTATIC PRECIPITATORS OF A COMPACT DESIGN OF ITS OWN DESIGN UNDER THE TRADE NAME EKO.



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ELECTROSTATIC PRECIPITATORS EKO



EKO electrostatic precipitators are highly efficient and reliable devices for separating solid pollutants from waste and technological gases produced by small and medium sources of pollution, especially boilers for burning biomass (wood chips, wood waste, straw, grain and waste from its processing, etc.)

With their high level of capture efficiency they guarantee low emissions of solid pollutants into the air. The advantage of EKO precipitators compared to other methods of separation lies in their low energy consumption due to their low pressure loss (≤ 150 Pa), in their applicability for unstable operations, and above all in their applicability for high-temperature waste gases (up to 350°C) including the occurrence of red-hot particles.

These compact precipitators are designed to separate solid particles from sources of pollution of flow-rate volumes from $3,000$ to $40,000$ Am^3/h .

These are divided by design into several compact functional units, which are delivered to the construction site assembled. Their size is chosen depending on transportation possibilities. Workshop assembly of functional units assures the high-quality of delivery and reduced installation time at the construction site.

Part of the EKO precipitators delivery is a compact VHV power source including a regulator with adjustable regulation of power supply parameters. The regulator provides also the control of the basic functions of other precipitator's appliances, such as, for example, airtight locks and screw conveyors at bottom of hopper.



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ZVVZ-Enven Engineering, a.s.

 Sažínova 1339, 399 01 Milevsko
Czech Republic

 odlucovani.filtrace@zvvz.cz

 www.zvvz.cz