

AVK Mittelmann Armaturen goes green...

By Ilka Draeger, Marketing coordinator, AVK Mittelmann Armaturen GmbH

AVK Mittelmann Armaturen GmbH (AVKMA) gains sustainable energy from a new blast cleaning system.

Faster, better and sustainably efficient - these are the main benefits of the new blast cleaning system that has recently been installed at AVKMA.

A compressed air station (see picture) delivers up to 13.4 m³ of air per minute and consists of two 5000 litres tanks. Up to 72 % of the energy that is created

in this supply process is recovered (by full load of the compressor).

The recovered energy is used for hot water supply for i.e. an existing hot water and central heating system, indirectly for the staff lavatories and showers, cleaning of equipment, the electroplating shop, and all industrial cleaning processes. What is more, the hot exhaust air serves as a heating for the assembly hall! No extra costs –

no extra CO₂ emission (and no extra waste of fossil energy).

The blast cleaning machine itself was transformed from an existing whirl gate blast clean machine, which is another gain - recycling and keeping investment costs low (at approx. 200 k EUR). The machine has enough capacity to blast clean two hydrant bodies at the same time and four hydrant bodies per bail. A runtime of only two minutes per blast clean procedure is required.

Besides the "green" facts, the new blast clean system enhances surface quality, especially on the inside of the bodies. GSK guidelines are easily met, resulting all together in an enhanced product quality.

