

POWER GENERATION

RACO electric actuators for the flap operation in coal-fired power plants

In case of an application in a power plant the components have to meet particularly high requirements with regard to availability and long service life, because the main goal of the electricity supplier is to produce electricity around the clock! Flap triggering units in industrial power plants require a compact and rugged construction that saves space, is cost efficient and can be easily installed and operated. The connection dimensions of each electric actuator of this series are compatible and the electrical connection of the motor and the enclosed limit switch is done by means of plug-and-socket connection with Harting fasteners.

Very special for this type of operation is the installation of a pulser with flashlight on these units which serves as a real-time operation monitoring device.

Earlier this year we surpassed the 50.000 milestone of the T1A/B2 series which has established itself in power plant technology as well as in mining. In a power plant near Bremen electric actuators responsible for the on-off function of the air flaps had to be replaced and some of these electric actuators belonged to the series type SMX01 dating back as far as 1979! Presently many of these electric actuators run without fault under extreme operating conditions.



Photo: RACO Elektro cylinder Type: SMX01

Technical Data Type T1A2:

Speed 40 mm / sec
Thrust 0,8 kN
Stroke 300 mm
Power supply 3 x 400 V, 50 Hz
Motor IP 54, ISO F & Thermo contact
P = 0,25 kW
4 limit switches & Blink switches
Trunnion mounting

