

Installation of flexible connectors

Annex to the fan operating and maintenance instructions

1 Installation

Fans are connected to the ductwork by flexible connectors so that the fan-induced vibration is not transmitted to the ducts. Flue gas fans are connected to the ductwork usually by wear plate, DCJC with a cloth-equipped connector which will last with high-temperature gas. Air fans are usually connected to the ductwork by the DCJA cloth alone.

On installation of flexible connectors, it must be noted that the wear plate inside the cloth part is installed in the right direction, on the suction side the wear plate flange is attached to the inlet duct and with the pressure side to the fan. Thus, the gas flow direction in the connector is still correct. Improperly installed connectors may cause in the fan e.g., lack of efficiency, noise and vibration and prevents the purposeful function of the connector.

The cloth part must be tight enough on the wear plate, so that the vacuum does not suck it into the suction channel and thus does not reduce the inside diameter of the duct. Special attention must be paid to the fact that the lining is not twisted between the duct and the wear plate, but the lining inserted before the installation is completely onto the wear plate.

Before connecting the ducts to the fan, check that no loose parts, debris or water remains inside the fan.

