

Observation of filter operation

This filter type is practically maintenance-free, however the following points should be observed regularly:

Whether the filter operation is satisfactory or not, a number of operating data for the filter should be recorded regularly. This should be done from the very first time the filter is put into service. See page *Recording of Filter Operating Data*.

Installations without automatic quantity adjustment

The air quantity in the filter should be manually adjusted at regular intervals (on filters without automatic adjustment of air quantity).

See page *Filter Adjustment*.

When the pressure drop across the filter bags rises, it usually results in a decline of air quantity. The decline of air quantity should be compensated for, eg. by opening a manually operated damper. Adjustment is carried out according to measurement of air quantity; see page *Recording of Filter Operating Data*.

With recently changed filter bags the pressure drop across the bags will be limited, thus an adjustment of air quantity is required in connection with bag change.

Pressure Drop across Filter Bags

See page *Pressure Drop and Efficiency* for a general description of the pressure drop across the filter bags.

If required the pressure drop may be changed by changing cleaning interval or cleaning pressure, see the operating instructions for the control unit.

If the filter control unit is capable of measuring the pressure drop across the filter bags - or if it is connected to a suitable DP switch - the desired pressure drop may be defined here.

For further information about this, please consult the documentation for the filter control unit.

If the pressure drop is larger than acceptable and the cleaning interval (compressed air consumption) cannot be further reduced, the bags require changing or washing. See instructions on bag change.

When changing the bags, bag type and filter operating data are recorded.

When ordering new filter bags please state filter type and machine number (see Index or machine tag on filter) as well as bag type.

Cleaning of Filter Bags

The cleaning system should be regularly checked as in page *Filter Check and Maintenance*.

Emmision Check

If the filtering plant has no automatic surveillance equipment, evaluation of the filtration quality should be a routine procedure. The clean air outlet (chimney), the clean air chamber, or the ducts after the filter may be checked for dust. A light dust coating is normal, but through regular checks a sudden increase or change of dust quality may be discovered. ■