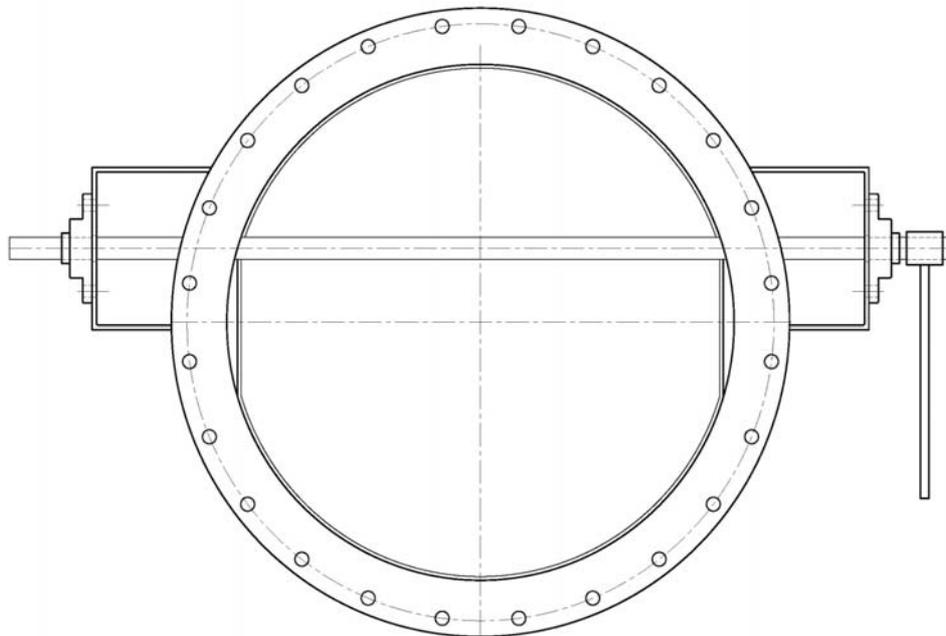


Maintenance- and Operational Instruction



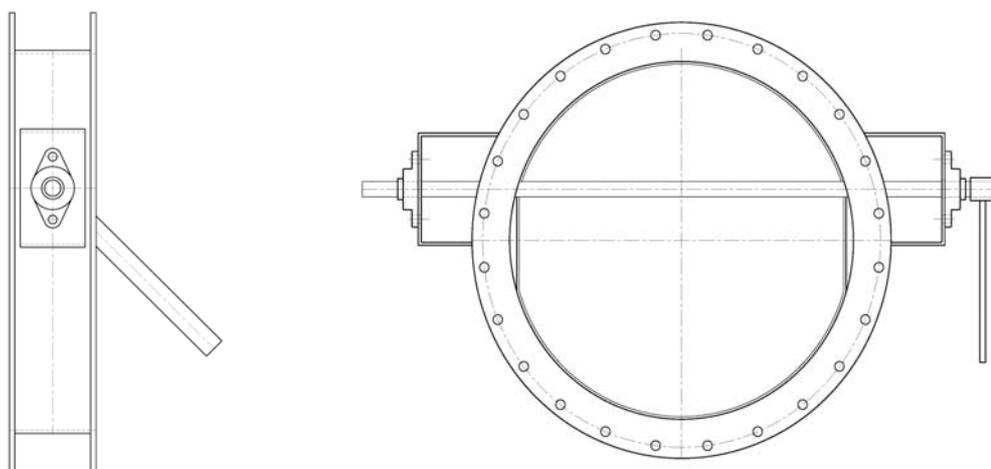
GENERAL

Instruction for Type **600**

Type 600 is characterized by outer mounted flange bearing

Range of application:

- air
- aggressive fumes
- high temperatures



Manufacturer:

The valves are made in Sweden and designed by
AB G F SWEDENBORG INGENIÖRSFIRMA

TESTING

Testing of valves sealing together with operational test will be executed in our workshop before delivery.

As most of the valves are delivered with actuators, these actuators have always been adjusted before delivery.

Please, do not adjust these before asking us due to torque limits.

INSPECTION BEFORE INSTALLATION

Before installation of the valves in piping, the sealing and the blade of the valves are to be examined carefully so that no damage has arisen during transport. The tightness of the valves is also recommended to be inspected before installation. (This has been done in the workshop before delivery).

INSTALLATION

The valves are designed for as well a vertical as a horizontal installation. Please, **note that the shaft is to be mounted in horizontally duct**; otherwise the bearing and the valve blade will be damaged.

The valves is to be mounted without forces in the flanges.

It is very important that the connections of the piping are parallel towards each other before mounting. For valves with flanges the bolts are to be tighten crosswise through a continuous torque; deformity is now allowed. Torque is depending on flange size and type of gasket. As flange sealing soft standard- or steel coiled gaskets are to be used; due to performance data.

For valves with welding ends the valves are to be spot welded in both pipings; thereafter welding is to be effected crosswise in order to get the piping forces reduced as much as possible.

OPERATION

The valves are designed for operation continuously and hardly require any attendance - please, see "MAINTENANCE".

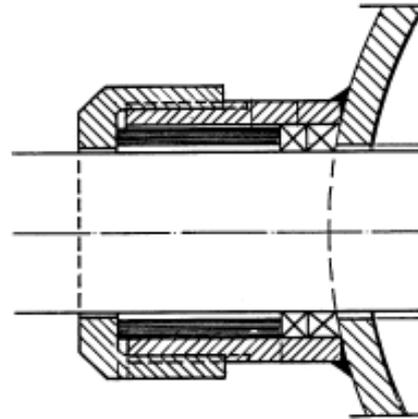
It is important that the thermal limit of the valve is not exceeded. Otherwise a high leakage or a shaft deformation can arise.

MAINTENANCE

The valves are equipped with adjustable stuffing box, usually of graphite. A slight leakage may arise at performance start. The leakage is to be checked up when the working temperature has been obtained.

After a long service a repacking of the stuffing box could be necessary.

Attention - repacking is forbidden during service.



Type 600 - has outer flange bearing with grease fitting.

Re-lubrication every 6th month, for regulating valves - every 2nd - 3rd month.

Type of grease is due to temperature and gas composition; please, get in touch with a manufacturer of grease for advice.

Inspection

Inspection regarding leakage from the shaft sealing (stuffing box) is to be done min. once a year.

At leakage, please see "MAINTENANCE".

During plant stop - inspection of the valve sealing is recommended; if replacement is required, please contact us for further instructions.

ADJUSTING OF COUNTERWEIGHT

Valves with lever

The counterweight should be adjusted on start.

Were you adjust the weights on the lever is depending on the velocity of flow in the duct and what pressure the valve should open against

RECOMMENDED SPARE PARTS

- Valves**
- Sealing (regulating valves often have no sealing)
 - Stuffing box gaskets