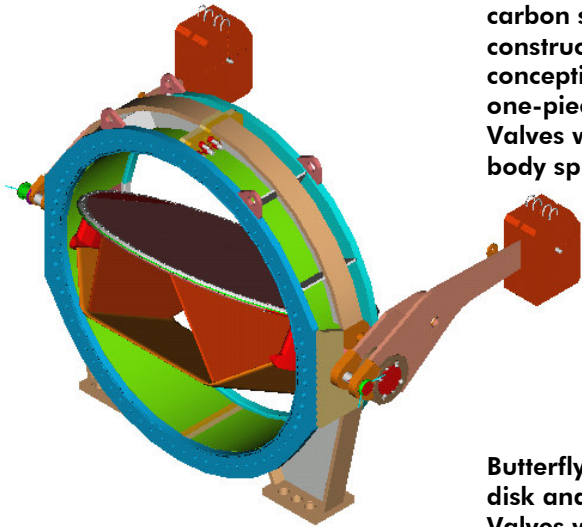


BUTTERFLY VALVES

Protection and/or sealing in hydraulic circuits



carbon steel welded construction. Its design conception is mono-block one-piece type for Butterfly Valves with domed disk and body split into two parts for Butterfly Valves with flow through disk. The valve disk shafts are made of stainless steel and fitted to the valve disk hubs with tapered pins, shaft keys, or screws for Butterfly Valves with domed disk and in case of Butterfly Valves with flow through disk they are welded to the valve disk.

may be:

- Manual: using an one quarter worm gear reducer;
- With electric actuator using one quarter worm gear reducer;
- Hydraulic or pneumatic actuator;
- Mixed actuator opened by hydraulic cylinder and closed by counterweight, by gravity (emergency closing). For large diameters and higher pressures the valve opening may be operated under balanced pressure obtained by a by-pass valve.

In order to meet the particular needs of irrigation, sewage, and energy projects

hydrostec designs and manufactures Butterfly Valves upon request to fulfill the particular project conditions of each case and the customer's technical requirements.

In terms of the valve disk design conception there are two types of Butterfly Valves:

- Butterfly valve with Domed valve disk in welded or cast iron construction;
- Butterfly valve with Flow through valve disk in welded construction.

The valve body is made of

The shaft bearings are supplied with self-lubricating bronze bushings.

The valves sealing are made of continuous synthetic rubber around the peripheral surface of the valve disk where it is fitted with a retaining ring and stainless steel screws. The sealing rubber seat in the valve body is a stainless steel ring welded in its cylindrical part.

Actuators

The valves actuators

Fields of application

- Irrigation systems;
- Water Supply and Sewage Systems;
- Industrial applications (chemical and petrochemical industries).

