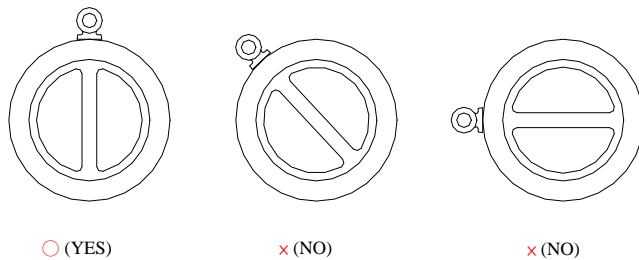
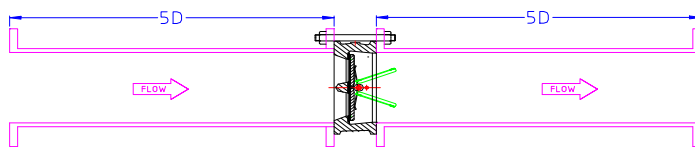


## CAUTIONAL POINTS FOR DESIGN & INSTALLATION

- ☆ Since the valve plate of Astam Check operates within the range of GR please be so careful in piping work that it won't make any touch with a tip of pipe, gasket packing, butterfly valve, etc.
- ☆ In case of horizontal piping, please install Astam Check so that the rib of the Check Valve is to be vertical position and that the flow indication marked on the Check Valve is to be matched with a actual service flow.



- ☆ Upon the installation, it can be previously and temporarily set the half numbers of necessary stud bolts at the bottom part and insert between the flange. However, in case of hanging, please positively use eyebolts (for 6" and larger size).
- ☆ Upon the installation, please install Astam Check Valve at the distance of 5D minimum (D is pipe diameter) from the discharge outlet of equipment and apparatus where turbulence flow may easily occur such as discharge outlet of pump, reducer, swedge or expansion.



- ☆ Astam Check Valve is designed the chattering and fluttering phenomenon possible not occur, however such phenomenon may occur due to the inadequate care of spring torque, turbulence flow, flow rate, velocity and direction of installation. Therefore, if any such care should be consider, please do not hesitate to ask our sales engineers for the consideration.