

HYDRAULIC ROTARY ACTUATOR FOR OPENING AND CLOSING
BUTTERFLY VALVE

ABSTRACT OF THE DISCLOSURE

5 Disclosed is a hydraulic rotary actuator for opening
and closing a butterfly valve. The hydraulic rotary
actuator includes a cylinder, a piston having a shaft hole
and inserted into the cylinder, a rotating shaft inserted
10 through the shaft hole, configured to be rotated in
forward and reverse directions corresponding to vertical
reciprocating motion of the piston, and having a spline
connection groove in a lower end portion thereof, an upper
cover coupled to a top of the cylinder, through which an
upper end portion of the rotating shaft is inserted, a
15 lower cover coupled to a bottom of the cylinder, through
which a lower end portion of the rotating shaft is
inserted, and a valve connection part inserted into the
rotating shaft to be spline-engaged with the spline
connection groove in the rotating shaft, into which an end
20 portion of a valve shaft of a butterfly valve is fitted.

(Figure 4)