

## Rotary Hydraulic Actuator

### Why Rotary Hydraulic Actuator?

- With a smaller size actuator, large diameter valves or large torque turned swing moment machine parts can easily be moved with 0-90° - 360° angles.
- Hydraulic oil pressure required for control is 100 bar or 210 bar.
- Since the actuator does not take up much space and is controlled by hydraulic oil, it is installed in many industries such as ship industry.



Model SA-H

### APPLICATION

- Ball valve
- Butterfly valve
- Dampers
- Hydraulic crane
- Hydraulic construction equipment

Working Pressure : 100 bar/ 210 bar  
 Working Temperature : -10° C ... +75° C  
 Valve Mountin Standard: DIN ISO 5211  
 Turned Angle : 90° ± 31°

- Optional:
- Mechanic limit switch
  - Proximity limit switch
  - Spring return pneumatic actuator

### Hydraulic Actuator Selection

Actuator Type	100 bar control pressure output torque value (Nm)	210 bar control pressure output torque value (Nm)
SA-H 30	30 Nm	63 Nm
SA-H 42	90 Nm	200 Nm
SA-H 55	210 Nm	441 Nm
SA-H 63	300 Nm	630 Nm
SA-HBO	700 Nm	1512 Nm
SA-H 100	1450 Nm	3087 Nm
SA-H 125	2100 Nm	4620 Nm
SA-H 140	3000 Nm	6300 Nm



### Butterfly Valve Sizes for Hydraulic Actuators

at 100 bar hydraulic pressure

Valve Size NW	25 32 40	50 65 100 125	150 200	250	300 350 400	500	600
Actuator Type	SA-H 30	SA-H 42	SA-H 55	SA-H 63	SA-H 80	SA-H 100	SA-H 125

at 220 bar hydraulic pressure

Valve Size NW	25 32 40 50 65 80	100 125 150 200	250	300	350 400 500	600
Actuator Type	SA-H 30	SA-H 42	SA-H 55	SA-H 63	SA-H 80	SA-H 100