

PNEUMATIC ACTUATOR SERIES

DAEJU CONTROL CO., LTD.

DP SERIES

RACK & PINION QUARTER TURN TYPE



- RACK & PINION DESIGN
- DOUBLE ACTING & SPRING RETURN
- TORQUE RANGE : 38Nm ~ 4,678 Nm
- PRESSURE RANGE
 - MIN. WORKING PRESSURE : 2.8Bar
 - MAX. WORKING PRESSURE : 10Bar
- TEMPERATURE RANGE
 - STANDARD : - 20°C ~ 80°C
 - LOW TEMP. : - 35°C ~ 80°C
(CAN BE CUSTOMIZED)
 - HIGH TEMP. : - 15°C ~ 150°C
(CAN BE CUSTOMIZED)
- TRAVEL ADJUSTMENT : ± 5 DEGREE FOR ROTATION AT 0 and 90 DEGREE
- LIFE CYCLE : 1,000,000 OPERATIONS
- FUNCTION : ON-OFF, CONTROL, ESDV

DP SERIES

RACK & PINION QUARTER TURN TYPE

※CONNECTION TYPE



1. AIR SUPPLY CONNECTION IS DESIGNED IN ACCORDANCE WITH "NAMUR" STANDARD TO INSTALL SOLENOID VALVES.
2. THE "NAMUR" DRIVE PINION AND THE "NAMUR" TOP MOUNTING CONNECTION PERMIT DIRECT INSTALLATION OF ACCESSORIES SUCH AS LIMIT SWITCH BOX AND POSITIONER.
3. BOTTOM MOUNTING CONNECTION IS DESIGNED IN ACCORDANCE WITH "ISO5211" AND "DIN3337" STANDARDS FOR DIRECT MOUNTING WITH VALVE GEAR BOXES OR MOUNTING BRACKETS.

DP SERIES

RACK & PINION QUARTER TURN TYPE



RDJHD SERIES

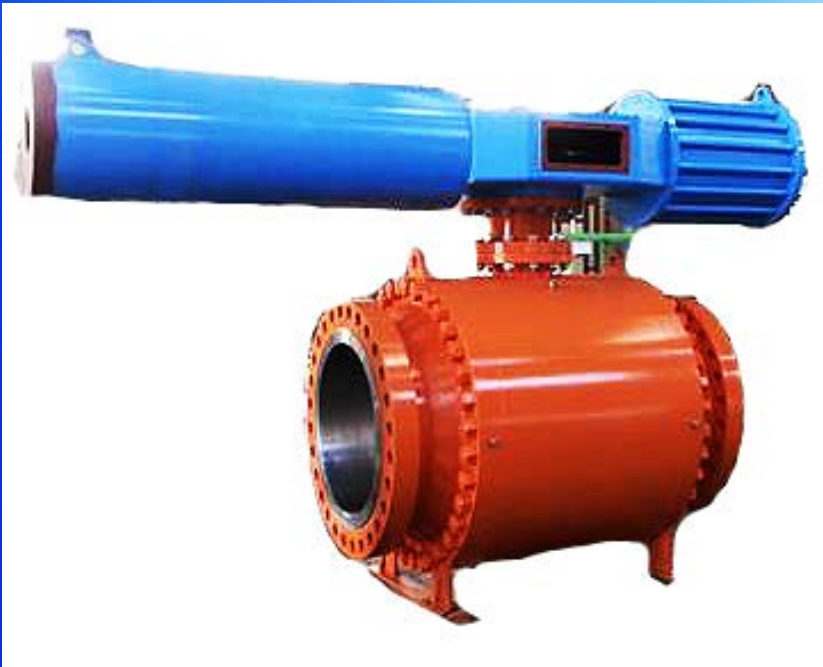
HEAVYDUTY QUARTER TURN TYPE



- SCOTCH YOKE DESIGN
- SYMMETRIC DESIGN
- DOUBLE ACTING & SPRING RETURN
- MAX. TORQUE RANGE : 150,000 Nm
- PRESSURE RANGE
 - MIN. WORKING PRESSURE : 2.8Bar
 - MAX. WORKING PRESSURE : 10Bar
- TEMPERATURE RANGE
 - STANDARD : - 20°C ~ 80°C
 - LOW TEMP. : - 35°C ~ 80°C
(CAN BE CUSTOMIZED)
 - HIGH TEMP. : - 15°C ~ 150°C
(CAN BE CUSTOMIZED)
- TRAVEL ADJUSTMENT : ± 5 DEGREE FOR ROTATION AT 0 and 90 DEGREE
- MANUAL OVERRIDE(OPTION)
 - GEARBOX
 - HYDRAULIC PUMP
- FUNCTION : ON-OFF, CONTROL, ESDV

RDJGD SERIES

HEAVYDUTY QUARTER TURN TYPE (GAS DIRECT)



- SCOTCH YOKE DESIGN
- SYMMETRIC DESIGN
- DOUBLE ACTING & SPRING RETURN
- MAX. TORQUE RANGE : 150,000 Nm
- PRESSURE RANGE
 - MIN. WORKING PRESSURE : 10Bar
 - MAX. WORKING PRESSURE : 80Bar
- TEMPERATURE RANGE
 - STANDARD : - 20°C ~ 80°C
 - LOW TEMP. : - 35°C ~ 80°C
(CAN BE CUSTOMIZED)
 - HIGH TEMP. : - 15°C ~ 150°C
(CAN BE CUSTOMIZED)
- TRAVEL ADJUSTMENT : ± 5 DEGREE FOR ROTATION AT 0 and 90 DEGREE
- MANUAL OVERRIDE(OPTION)
 - GEARBOX
 - HYDRAULIC PUMP
- FUNCTION : ON-OFF, CONTROL, ESDV

RDJHD/RDJGD SERIES

HEAVYDUTY QUARTER TURN TYPE



DAEJU quarter turn type heavyduty actuator is suitable to operate either on-off or control quarter-turn type valve. (Ball, Butterfly, damper and etc.)

Heavyduty type actuator is designed for the transmission of an high torque to the valve shaft with an angular movement up to $90^{\circ} +$ or $- 5^{\circ}$.

The middle housing can accept different types of scotch-yoke mechanisms to allow the choice of the best actuator performance for every kind of valve.

Every actuator can be equipped with a manual device (hand wheel, manual gear or manual hydraulic pump) to operate the valve in case of failure of medium or of electric power.

RDJHD SERIES

HEAVYDUTY QUARTER TURN TYPE



RDJHD SERIES

HEAVYDUTY QUARTER TURN TYPE



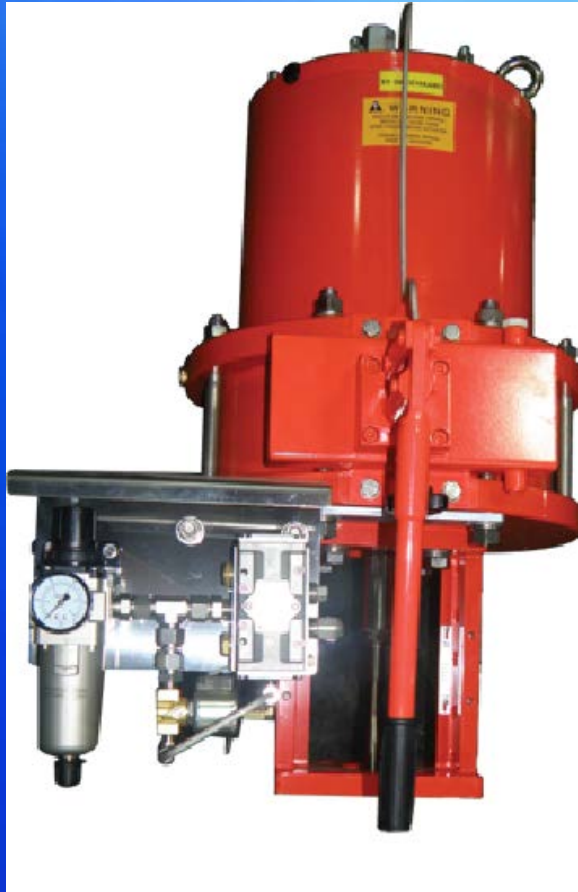
RDJGD SERIES

HEAVYDUTY QUARTER TURN TYPE (GAS DIRECT)



DCP SERIES

LINEAR TYPE



- LINEAR DESIGN
- DOUBLE ACTING & SPRING RETURN
- PRESSURE RANGE
 - MIN. WORKING PRESSURE : 2.8Bar
 - MAX. WORKING PRESSURE : 10Bar
- TEMPERATURE RANGE
 - STANDARD : - 20°C ~ 80°C
 - LOW TEMP. : - 35°C ~ 80°C
(CAN BE CUSTOMIZED)
 - HIGH TEMP. : - 15°C ~ 150°C
(CAN BE CUSTOMIZED)
- ISO VALVE MOUNTING
- MANUAL OVERRIDE(OPTION)
 - HAND WHEEL
 - GEARBOX
 - HYDRAULIC PUMP
- FUNCTION : ON-OFF, CONTROL

DCP SERIES

LINEAR TYPE

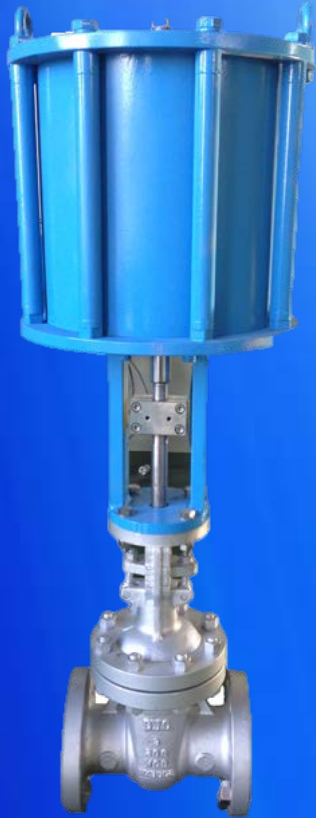


DCP-SERIES ACTUATOR consists of one pneumatic single acting cylinder designed to operate linear valves as globe or gate valves which require a fail-safe action to close by means of spring return.

DCP-SERIES ACTUATOR is designed and manufactured so as to operate in the heaviest work condition in every environment according to ISO specification. Typical features are the particularly simple and reliable construction, the special care in components material selection in order to reduce corrosion phenomenon. DCP-SERIES ACTUATOR can be supplied with helicoidal springs.

For long strokes and low thrusts (gate valve) helicoidal springs are preferred. All selected springs are manufactured with special purpose materials and complete of surface coating for corrosion protection.

DCP SERIES LINEAR TYPE



DCP SERIES

LINEAR TYPE



PD SERIES DAMPER TYPE



GUILLOTINE DAMPER

- 1) CIRCULAR TYPE (FROM ~ TO \varnothing 2500),
SQUARE TYPE(FROM ~ TO \varnothing 2500)
- 2) MATERIAL : SS400, SUS304 , SUS310,
SUS316
- 3) OPTIONAL METHOD:
PNEUMATIC CYLINDER, MOTOR CYLINDER,
ELECTRIC ACTUATOR, MANUAL TYPE
- 4) FUNCTION : ON-OFF TYPE, CONTROL
TYPE

BUTTERFLY DAMPER

- 1) CIRCULAR TYPE (FROM ~ TO \varnothing 2500) ,
SQUARE TYPE(FROM ~ TO \varnothing 2500)
- 2) MATERIAL: SS400, SUS304, SUS310,
SUS316
- 3) OPTIONAL METHOD:
PNEUMATIC ACTUATOR, PNEUMATIC
CYLINDER,
MOTOR CYLINDER, ELECTRIC ACTUATOR,
MANUAL TYPE
- 4) FUNCTION: ON-OFF TYPE, CONTROL TYPE

PD SERIES DAMPER TYPE



LOUVER DAMPER

- 1) CIRCULAR TYPE (FROM ~ TO \varnothing 2500),
SQUARE TYPE (FROM ~ TO \varnothing 2500)
- 2) MATERIAL: SS400, SUS310, SUS316
- 3) OPTIONAL METHOD:
PNEUMATIC ACTUATOR,
PNEUMATIC CYLINDER, MOTOR CYLINDER
ELECTRIC ACTUATOR, MANUAL TYPE
- 4) FUNCTION: ON
ACCESSORY
POSITIONER, POSITION TRANSMITTER



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