AUTOMATION

ACTUATION

CLOW VALVE has furnished valves with many assorted types of motorized actuators to operate our valves. The gate valves use multi-turn, and eccentric/butterfly valves use a quarter (1/4) turn actuator.

CLOW VALVE engineers have extensive experience with electric, pneumatic, and hydraulic actuators on our valve products. Some of the more prominent actuators that we have recently used on some major treatment plant projects are shown below.

All electric actuators contain the following standard accessories: a handwheel for manual operation, open and close position limit switches to ensure motor shut-off at the ends of travel, open and close torque limit switches to protect the valve from excessive actuator torque, and a separate drive nut or coupling. The motors have been designed for high starting torque and long service life. Quarter turn actuators are furnished with adjustable end of position mechanical stops. Remote stations can be furnished as required.

Optional accessories include intermediate position limit switches, position feedback devices, and integral motor controls. Generally, motor controls consist of reversing starters, control transformer, push buttons, selector switches, and indicating lights. For those applications requiring control by an analog signal (usually 4–20 mA/DC), a positioner can be furnished with motor controls.

ACCESSORIES

**FLOORSTANDS**

<table>
<thead>
<tr>
<th>Design</th>
<th>Description</th>
<th>Min. Length</th>
<th>Max. Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>F5505</td>
<td>Standard Pattern N.R.S.</td>
<td>8&quot;</td>
<td>24&quot;</td>
</tr>
</tbody>
</table>

**STEM GUIDES**

<table>
<thead>
<tr>
<th>Design</th>
<th>Description</th>
<th>Min. Length</th>
<th>Max. Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>F5685</td>
<td>Standard Pattern</td>
<td>2&quot;</td>
<td>12&quot;</td>
</tr>
</tbody>
</table>

**EXTENSION STEMS**

<table>
<thead>
<tr>
<th>Design</th>
<th>Description</th>
<th>Min. Stem Dia</th>
<th>Max. Stem Dia</th>
</tr>
</thead>
<tbody>
<tr>
<td>F5695</td>
<td>Bushed</td>
<td>1 ¾&quot;</td>
<td>2 ½&quot;</td>
</tr>
</tbody>
</table>

**FLOORBOX**

<table>
<thead>
<tr>
<th>Design</th>
<th>Description</th>
<th>Minimum Length</th>
<th>Maximum Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>F5660</td>
<td>Size</td>
<td>2 ½&quot;</td>
<td>17&quot;</td>
</tr>
<tr>
<td></td>
<td>#5</td>
<td>15&quot;</td>
<td>24&quot;</td>
</tr>
<tr>
<td></td>
<td>#6</td>
<td>24&quot;</td>
<td>36&quot;</td>
</tr>
</tbody>
</table>

**IN-PLANT VALVE PRODUCTS**

- **FLAP VALVES**
  - Size Range: 4"–30"
  - Valves unseat and swing open under unseating pressure to release the outfall fluid and close when pressure is relieved.

- **SWING CHECK VALVES**
  - Size Range:
    - 2"–12": Water Working Pressure 200 PSI, Hydrostatic Test Pressure 400 PSI
    - 14"–36": Water Working Pressure 150 PSI, Hydrostatic Test Pressure 300 PSI
  - Available in horizontal and vertical installation with ASME B16.1 Class 125 Flanges, and accessories:
    - Outside lever & weight
    - Outside lever & spring
    - Limit switches
    - Bronze or resilient seating
    - Stainless steel seats available
    - Bronze or resilient seating

COMMITTED TO ENVIRONMENTAL RESPONSIBILITY

Clow Valve Company is committed to protecting our natural resources through environmentally responsible manufacturing practices, including the use of 80% recycled content in our hydrants and valves.

| In-Plant Valve Products

<table>
<thead>
<tr>
<th>Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot;x 6&quot;</td>
<td>4&quot;x 8&quot;</td>
</tr>
<tr>
<td>6&quot;x 8&quot;</td>
<td>6&quot;x 10&quot;</td>
</tr>
<tr>
<td>8&quot;x 10&quot;</td>
<td>8&quot;x 12&quot;</td>
</tr>
<tr>
<td>10&quot;x 12&quot;</td>
<td>Any Length</td>
</tr>
</tbody>
</table>

Available accessories:
- Outside lever & weight
- Outside lever & spring
- Limit switches
- Stainless steel seats available
- Bronze or resilient seating
- Air cushion

All electric actuators contain the following standard accessories: a handwheel for manual operation, open and close position limit switches to ensure motor shut-off at the ends of travel, open and close torque limit switches to protect the valve from excessive actuator torque, and a separate drive nut or coupling. The motors have been designed for high starting torque and long service life. Quarter turn actuators are furnished with adjustable end of position mechanical stops. Remote stations can be furnished as required.

Optional accessories include intermediate position limit switches, position feedback devices, and integral motor controls. Generally, motor controls consist of reversing starters, control transformer, push buttons, selector switches, and indicating lights. For those applications requiring control by an analog signal (usually 4–20 mA/DC), a positioner can be furnished with motor controls.

FOR THE WATER AND WASTEWATER TREATMENT PLANT MARKET

**ACCESSORIES**

- **FLOORSTANDS**
  - Standard Pattern N.R.S.
  - Min. Length 8"
  - Max. Length 12"

- **STEM GUIDES**
  - Standard Pattern N.R.S.
  - Flared Nut

- **EXTENSION STEMS**
  - Standard Pattern N.R.S.
  - Min. Length 2 ½"

- **FLOORBOX**
  - Standard Pattern N.R.S.
  - Min. Length 2 ½"

**FLAP VALVES**

- Size Range: 4"–30"
- Valves unseat and swing open under unseating pressure to release the outfall fluid and close when pressure is relieved.

- **SWING CHECK VALVES**
  - Size Range:
    - 2"–12": Water Working Pressure 200 PSI, Hydrostatic Test Pressure 400 PSI
    - 14"–36": Water Working Pressure 150 PSI, Hydrostatic Test Pressure 300 PSI
  - Available in horizontal and vertical installation with ASME B16.1 Class 125 Flanges, and accessories:
    - Outside lever & weight
    - Outside lever & spring
    - Limit switches
    - Bronze or resilient seating
    - Stainless steel seats available
    - Bronze or resilient seating

ClowValve.com

902 South 2nd Street
Oskaloosa, IA 52577
Ph 641-673-8611
Fx 641-673-8269

*PATENT PENDING*
For additional and a connection, please contact your local representation.

NEW PRODUCT OFFERINGS

ROBUST GATE VALVES

Available End Connections & Size Ranges

- Flanged End
- 3”–48”

- M.J. — AWWA B16.1 Class 125 flanged end connections
- M.J. — AWWA B16.4 Class 250 flanged end connections
- Ductile Iron body and bonnet end connections available
- Flanged ends are faced and drilled to ANSI Class 125 drill template except 2½” and larger
- Extensions stems
- Lever wrench head
- Stem guides
- Extended bonnet
- 100% port available
- Cylinder actuators
- Extended bearing
- Cylinder screws
- Rectangular shaped
- Cast iron
- Stainless steel also available
- Flanged end connections available
- Ductile Iron body and bonnet end connections available
- Flanged ends are faced and drilled to ANSI Class 125 drill template except 2½” and larger
- Chainlevers
- Chainwheels
- Cylinder actuators

For vertical flow applications, please contact CLOW VALVE.

For additional end connections, please contact your local representation.
For additional and current information, please contact your local representative.
KEN-FLEX RESILIENT RELEASABLE VALVES

<table>
<thead>
<tr>
<th>Size Range</th>
<th>Working Pressure</th>
<th>Standard Body Length</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; – 48&quot;</td>
<td>200  – 500 PSI</td>
<td>2 ½” Flanged</td>
<td>Disc Spring, Extension Stems, Flanged Butt Joint, Disc face tracking available</td>
</tr>
</tbody>
</table>

GATE VALVES

<table>
<thead>
<tr>
<th>Size Range</th>
<th>Working Pressure</th>
<th>Standard Body Length</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; – 48&quot;</td>
<td>250 – 500 PSI</td>
<td>2 ½” Flanged</td>
<td>Disc Spring, Extension Stems, Flanged Butt Joint, Disc face tracking available</td>
</tr>
</tbody>
</table>

SOLID WEDGE GATE VALVES

<table>
<thead>
<tr>
<th>Size Range</th>
<th>Working Pressure</th>
<th>Standard Body Length</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot; – 48&quot;</td>
<td>200 – 500 PSI</td>
<td>2 ½” Flanged</td>
<td>Disc Spring, Extension Stems, Flanged Butt Joint, Disc face tracking available</td>
</tr>
</tbody>
</table>

RESILIENT WEDGE GATE VALVES

<table>
<thead>
<tr>
<th>Size Range</th>
<th>Working Pressure</th>
<th>Standard Body Length</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; – 48&quot;</td>
<td>250 – 500 PSI</td>
<td>2 ½” Flanged</td>
<td>Disc Spring, Extension Stems, Flanged Butt Joint, Disc face tracking available</td>
</tr>
</tbody>
</table>

FLANGE TYPE PRESSURE RELIEF VALVES

<table>
<thead>
<tr>
<th>Size Range</th>
<th>Working Pressure</th>
<th>Standard Body Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; – 48&quot;</td>
<td>250 – 500 PSI</td>
<td>2 ½” Flanged</td>
</tr>
</tbody>
</table>

SHEAR GATE VALVES

<table>
<thead>
<tr>
<th>Size Range</th>
<th>Working Pressure</th>
<th>Standard Body Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; – 48&quot;</td>
<td>250 – 500 PSI</td>
<td>2 ½” Flanged</td>
</tr>
</tbody>
</table>

FLOOR TYPE PRESSURE RELIEF VALVES

<table>
<thead>
<tr>
<th>Size Range</th>
<th>Working Pressure</th>
<th>Standard Body Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; – 48&quot;</td>
<td>250 – 500 PSI</td>
<td>2 ½” Flanged</td>
</tr>
</tbody>
</table>

ECCENTRIC PLUG VALVES

<table>
<thead>
<tr>
<th>Size Range</th>
<th>Working Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; – 12&quot;</td>
<td>250 – 500 PSI</td>
</tr>
</tbody>
</table>

BUTTERFLY VALVES

<table>
<thead>
<tr>
<th>Size Range</th>
<th>Working Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot; – 48&quot;</td>
<td>250 – 500 PSI</td>
</tr>
</tbody>
</table>

RELIEF VALVES

<table>
<thead>
<tr>
<th>Size Range</th>
<th>Working Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; – 24&quot;</td>
<td>250 – 500 PSI</td>
</tr>
</tbody>
</table>

OIL CUSHION CHECK VALVES

<table>
<thead>
<tr>
<th>Size Range</th>
<th>Working Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; – 12&quot;</td>
<td>250 – 500 PSI</td>
</tr>
</tbody>
</table>

NEW PRODUCT OFFERINGS

<table>
<thead>
<tr>
<th>Size Range</th>
<th>Working Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; – 6&quot;</td>
<td>250 – 500 PSI</td>
</tr>
</tbody>
</table>

For additional connections, please contact CLEAR VALVE.
AUTOMATION

ACTUATION

CLOW VALVE has furnished valves with many assorted types of motorized actuators to operate our valves. The gate valves use a multi-turn, and eccentric/butterfly valves use a quarter (1/4) turn to operate.

CLOW VALVE engineers have extensive experience with electric, pneumatic, and hydraulic actuators on our valve products. Some of the more prominent actuators that we have recently used on some major treatment plant projects are shown below.

All electric actuators contain the following standard accessories: a handwheel for manual operation, open and close position limit switches to ensure motor shut-off at the ends of travel, open and close torque limit switches to protect the valve from excessive actuator torque, and a separate drive nut or coupling. The motors have been designed for high starting torque and long service life. Quarter turn actuators are furnished with adjustable end of position mechanical stops. Remote stations can be furnished as required.

Optional accessories include intermediate position limit switches, position feedback devices, and integral motor controls. Generally, motor controls consist of reversing starters, control transformer, push buttons, selector switches, and indicating lights. For those applications requiring control by an analog signal (usually 4–20 mA/D), a positioner can be furnished with motor controls.

ACCESSORIES

FLOORSTANDS

STEM GUIDES

EXTENSION STEMS

FLOORBOX

COMMITTED TO ENVIRONMENTAL RESPONSIBILITY

Clow Valve Company is committed to protecting our natural resources through environmentally responsible manufacturing practices, including the use of 80% recycled content in our hydrants and valves.
AUTOMATION

ACTUATION

CLOW VALVE has furnished valves with many assorted types of actuated actuators to operate our valves. The gate valves use a multi-turn, and eccentric/butterfly valves use a quarter (1/4) turn type.

CLOW VALVE engineers have extensive experience with electric, pneumatic, and hydraulic actuators on our valve products. Some of the more prominent actuators that we have recently used on some major treatment plant projects are shown below.

All electric actuators contain the following standard accessories: a handwheel for manual operation, open and close position limit switches to ensure motor shut-off at the ends of travel, open and close torque limit switches to protect the valve from excessive actuator torque, and a separate drive nut or coupling. The motors have been designed for high starting torque and long service life. Quarter turn actuators are furnished with adjustable end of position mechanical stops. Remote stations can be furnished as required.

Optional accessories include intermediate position limit switches, position feedback devices, and integral motor controls. Generally, motor controls consist of reversing starters, control transformer, push buttons, selector switches, and indicating lights. For those applications requiring control by an analog signal (usually 4–20 mA), a positioner can be furnished with motor controls.

IN-PLANT VALVE PRODUCTS

FOR THE WATER AND WASTEWATER TREATMENT PLANT MARKET

ACCESSORIES

FLOORSTANDS

STEM GUIDES

EXTENSION STEMS

FLOORBOX

COMMITTED TO ENVIRONMENTAL RESPONSIBILITY

Clow Valve Company is committed to protecting our natural resources through environmentally responsible manufacturing practices, including the use of 80% recycled content in our hydrants and valves.