

## ECCENTRIC PLUG VALVES

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| Size | F5412 Flanged<br>No Operator * | F5413 MJ w/acc<br>No Operator * | F5414 Grooved<br>No Operator * |
|------|--------------------------------|---------------------------------|--------------------------------|
| 3"   | \$686.00                       | \$753.00                        | \$686.00                       |
| 4"   | \$727.00                       | \$794.00                        | \$727.00                       |
| 6"   | \$1,246.00                     | \$1,341.00                      | \$1,246.00                     |
| 8"   | \$1,737.00                     | \$1,872.00                      | \$1,737.00                     |
| 10"  | \$2,570.00                     | \$2,772.00                      | \$2,570.00                     |
| 12"  | \$3,373.00                     | \$3,649.00                      | \$3,373.00                     |
| 14"  | \$4,947.00                     | \$5,292.00                      |                                |
| 16"  | \$6,923.00                     | \$7,407.00                      |                                |
| 18"  | \$10,333.00                    | \$10,891.00                     |                                |
| 20"  | \$14,956.00                    | \$15,651.00                     |                                |
| 24"  | \$26,648.00                    | \$29,711.00                     |                                |

**\*3" Flanged and Grooved valves come standard with levers. Operating nuts are available.**

Worm gearing recommended on 6" with 75 PSI or more and 8" with 60 PSI or more. [\(See Pg. 18\)](#)

**10" - 24" must add price of worm gear actuator. Actuator is recommended on 6" above**

**Notes:** All non-gearred valves are furnished with op-nuts.

- ▶ Lever wrench heads are available for 4" - 8" non-gearred valves with op-nuts.
- ▶ Lever actuators can only be used for pressure ratings of 100 PSI maximum and 25 PSI in reverse flow condition.
- ▶ It is recommended that valves be configured with geared actuators if installed in pipelines with high velocity flows or where water hammer conditions exist. Lever actuators can only be used for pressure ratings of 100 PSI maximum and 25 PSI in the reverse flow condition.
- ▶ Worm gears recommended on all buried service valves.
- ▶ For MJ valves less accessories ~ use flanged list price
- ▶ Gearing required on plug valves with handwheels

**Adders:** Lever Wrench Head           \$43.00 Part Number M1300490  
 Special coating                       \$18.00 Per inch per coat  
 Wrench Nut Handle                       3A50012

### CHAIN LEVER OPERATOR (For 4" - 8" valves without actuators)

| SIZE | PSI    | Price    | Part #   | Size of Handles<br>on each side |
|------|--------|----------|----------|---------------------------------|
| 4"   | 0 - 75 | \$265.00 | A1300653 | 9"                              |
| 6"   | 0 - 75 | \$272.00 | A1300656 | 17"                             |
| 8"   | 0 - 60 | \$272.00 | A1300656 | 17"                             |

▶ **Note:** Chain for above PC# T0800062 - \$6.00. per foot

### CHAIN WHEEL

(Add to price of actuator and hand wheel)

| Hand wheel Size | Price      |
|-----------------|------------|
| 10"             | \$331.00   |
| 18"             | \$553.00   |
| 24"             | \$1,017.00 |
| 30"             | \$1,255.00 |

| 304 Stainless Steel Bolts<br>& Nuts for Plug Valve |          |
|--|----------|
| 4" - 6"  | \$40.00  |
| 8"   | \$56.00  |
| 10" - 12"  | \$78.00  |
| 14" - 24"  | \$254.00 |

▶ **Note:** Chain for above PC# T0800062 - \$6.00. per foot

▶ **Note:** 316 Stainless Steel bolts & nuts are POA.

## WORM GEAR ACTUATORS

[Add to price of plug valve. \(See page 17\)](#)

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### Worm Gear Actuator Section Chart For In-Plant Valves (above ground w/hand wheel)

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| Size | Differential Pressure Across Valve (PSI) |       |       |        |         |         |         | Worm Gear Pricing |            |
|------|--|-------|-------|--------|---------|---------|---------|-------------------|------------|
|      | 0-25                                     | 26-50 | 51-75 | 76-100 | 101-125 | 126-150 | 151-175 |                   |            |
| 4"   | A110                                     | A110  | A110  | A110   | A110    | A110    | A110    | A110              | \$817.00   |
| 6"   | A110                                     | A110  | A110  | A110   | A110    | A110    | A110    | A118              | \$948.00   |
| 8"   | A110                                     | A110  | A110  | A110   | A110    | A110    | A110    | A924              | \$2,637.00 |
| 10"  | A118                                     | A118  | A118  | A118   | A118    | A118    | A118    | A930              | \$2,730.00 |
| 12"  | A118                                     | A118  | A118  | A118   | A118    | A118    | A118    | A1024             | \$3,313.00 |
| 14"  | A924                                     | A924  | A924  | A924   | A924    | A930    |         | A1030             | \$4,347.00 |
| 16"  | A1024                                    | A1024 | A1024 | A1024  | A1024   | A1624   |         | A1624             | \$5,035.00 |
| 18"  | A1024                                    | A1024 | A1024 | A1024  | A1030   | A1624   |         | A1630             | \$9,608.00 |
| 20"  | A1024                                    | A1024 | A1024 | A1030  | A1624   | A1624   |         |                   |            |
| 24"  | A1024                                    | A1024 | A1030 | A1624  | A1630   | A1630   |         |                   |            |

|      |         |            |       |             |            |
|------|---------|------------|-------|-------------|------------|
| A110 | 1KE/10" | Hand wheel | A1024 | 10KE2.5/24" | Hand wheel |
| A118 | 1KE/18" | Hand wheel | A1030 | 10KE2.5/30" | Hand wheel |
| A924 | 9KE/24" | Hand wheel | A1624 | 10KE6/24"   | Hand wheel |
| A930 | 9KE/30" | Hand wheel | A1630 | 16KE/30"    | Hand wheel |

### Worm Gear Actuator Section Chart for Underground Valves (buried w/op-nut)

| Size | Differential Pressure Across Valve (PSI) |       |       |        |         |         |         | Worm Gear Pricing |            |
|------|--|-------|-------|--------|---------|---------|---------|-------------------|------------|
|      | 0-25                                     | 26-50 | 51-75 | 76-100 | 101-125 | 126-150 | 151-175 |                   |            |
| 4"   | U10N                                     | U10N  | U10N  | U10N   | U10N    | U10N    | U10N    | U10N              | \$872.00   |
| 6"   | U10N                                     | U10N  | U10N  | U10N   | U10N    | U10N    | U10N    | U90N              | \$2,676.00 |
| 8"   | U10N                                     | U10N  | U10N  | U10N   | U10N    | U10N    | U10N    | U100N             | \$4,027.00 |
| 10"  | U10N                                     | U10N  | U10N  | U10N   | U10N    | U10N    | U10N    | U160N             | \$9,747.00 |
| 12"  | U10N                                     | U10N  | U10N  | U10N   | U10N    | U10N    | U10N    |                   |            |
| 14"  | U90N                                     | U90N  | U90N  | U90N   | U90N    | U90N    |         |                   |            |
| 16"  | U90N                                     | U90N  | U90N  | U100N  | U100N   | U100N   |         |                   |            |
| 18"  | U100N                                    | U100N | U100N | U100N  | U100N   | U100N   |         |                   |            |
| 20"  | U100N                                    | U100N | U100N | U100N  | U100N   | U100N   |         |                   |            |
| 24"  | U100N                                    | U100N | U100N | U160N  | U160N   | U160N   |         |                   |            |

|       |                               |
|-------|-------------------------------|
| U10N  | 1KE/Op nut Buried Service     |
| U90N  | 9KE/Op nut Buried Service     |
| U100N | 10KE2.5/Op nut Buried Service |
| U160N | 16KE/Op nut Buried Service    |

**Notes:**

- ▶ It is important to use ACTUAL PRESSURE when possible. Under sizing is not recommended and over sizing is expensive.
- ▶ IN-PLANT prices include indicator and hand wheel.
- ▶ Underground Prices include operating nut and buried service cover.
- ▶ ALL IN-PLANT actuators are sized for no more than 80lbs pull on hand wheel.
- ▶ ALL UNDERGROUND actuators are sized for input torque of no more than 150 ft-lbs on the Op. Nut.
- ▶ Price on application for valves requiring submerged service, special paint or 316 stainless steel hardware.
- ▶ Epoxy adder - \$18.00 list per inch/coat

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| Size            | FLG X FIG 6412 | MJ X MJ 6413 |
|-----------------|----------------|--------------|
| 3"              | \$ 776.00      | \$ 800.00    |
| 3" w/ Worm Gear | \$ 1,358.00    | \$ 1,400.00  |
| 4"              | \$ 1,057.00    | \$ 1,090.00  |
| 4" w/ Worm Gear | \$ 1,702.00    | \$ 1,755.00  |
| 6"              | \$ 1,809.00    | \$ 1,865.00  |
| 6" w/ Worm Gear | \$ 2,551.00    | \$ 2,630.00  |
| 8"              | \$ 3,288.00    | \$ 3,390.00  |
| 10"             | \$ 5,087.00    | \$ 5,245.00  |
| 12"             | \$ 6,164.00    | \$ 6,355.00  |
| 14"             | \$ 12,688.00   | \$ 13,080.00 |
| 16"             | \$ 14,308.00   | \$ 14,750.00 |
| 18"             | \$ 19,349.00   | \$ 18,950.00 |
| 20"             | \$ 29,308.00   | \$ 29,310.00 |
| 24"             | \$ 65,402.00   | \$ 67,425.00 |

Worm Gearing recommended: 6" withy 75 PSI or more

Worm Gearing recommended on all 8"and larger

Valves with worm gear are available with handwheel or 2" nut at no additional charge

Lever Operator - \$20.00 net adder

Full bidirectional shut off - gear is required