

DATE: 6/18/2018

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 4

BID NO.: 50-00123457

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

VENDOR: _____

BUYER: SFOLSE

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Agency warehouse or jobsite, anywhere within the Parish as designated by the Purchasing Department.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH is expecting all products to be new and all work to be done in workman-like manner, according to standard practices. Any deviations or alteration from the specifications must be indicated on the bid form for each item and upon request, product data for same must be submitted by the time specified by the Purchasing Department.

| | |
|----------------------------------------------------------|------------------|
| DELIVERY: FOB JEFFERSON PARISH | |
| INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES | <u>12-14 WKS</u> |
| INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK | _____ |
| INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK | _____ |

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____
 NUMBER: _____
 NUMBER: _____
 NUMBER: _____

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

| | |
|--------------------------------------------------------|---------------------------|
| *** ALL BIDDERS MUST COMPLETE SECTION BELOW *** | |
| FIRM NAME: <u>Cinisco</u> | |
| SIGNATURE: <u>[Signature]</u> (Must be signed here) | TITLE: <u>SALES</u> |
| PRINT OR TYPE NAME: <u>JEFF DEVILIERA</u> | |
| ADDRESS: <u>1840 LTA RD</u> | |
| CITY, STATE: <u>METairie, LA</u> | ZIP: <u>70001</u> |
| TELEPHONE: <u>(504) 8357319</u> | FAX: <u>(504) 8320820</u> |
| EMAIL ADDRESS: <u>JEFF@CINISCO.COM</u> | |

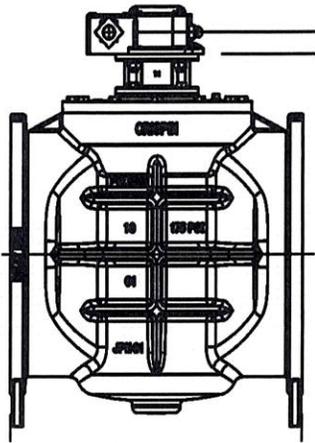
TOTAL PRICE OF ALL BID ITEMS: \$ 32541⁻

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00123457

SEALED BID

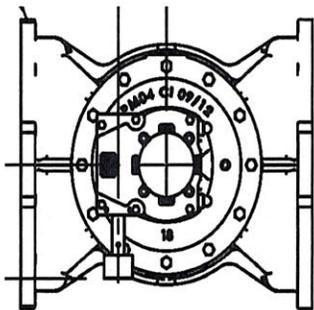
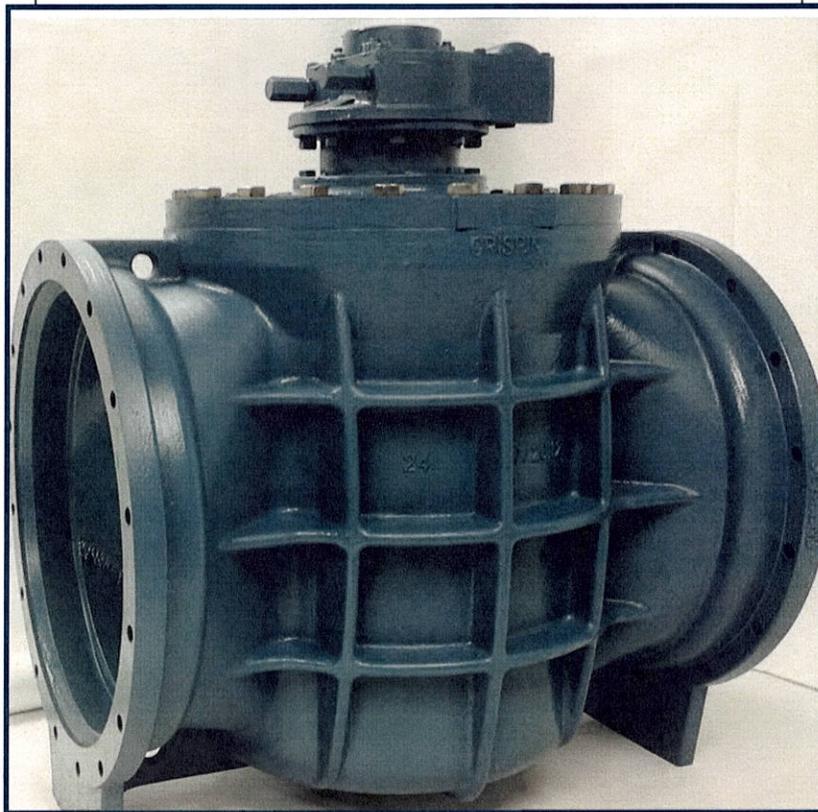
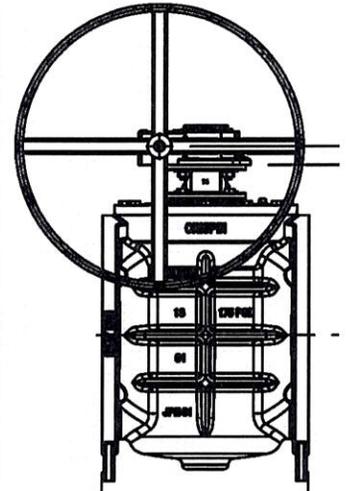
| ITEM NUMBER | QUANTITY | U/M | DESCRIPTION OF ARTICLES | UNIT PRICE QUOTED | TOTALS |
|-------------|----------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------|
| 1 | 1.00 | EA | <p>ONE TIME PURCHASE OF PLUG VALVES FOR THE JEFFERSON PARISH EB SEWERAGE WAREHOUSE</p> <p>0001 - Valve, plug, 16 in x 17.75 in face to face, handwheel operated, flanged, eccentric, cast iron body, solid ductile iron plug with nitrile elastomer coating, 100 percent port, nickel seat, Milliken no. 601N1FP-AG Must have above ground gear with indicator, hand wheel and operating nut (0625110)</p> | 4047- | 4047- |
| 2 | 2.00 | EA | <p>0002 - Valve, plug, 24 inch x 42 inch face to face, ANSI 125 flanged, eccentric, cast iron body, solid ductile iron plug with nitrile elastomer coating, 100 percent port, nickel seat, Milliken no. 601N1FP-AG. Must have above ground gear with indicator, handwheel and operating nut (0625150)</p> | 14247- | 28494- |



Crispin

K-FLO VALVES

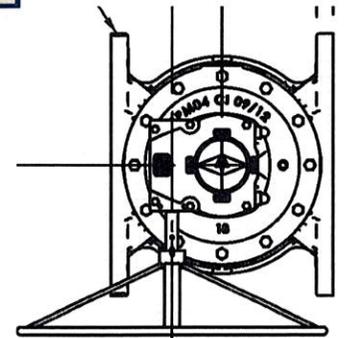
SERIES 700 100% PORT
PLUG VALVES



PO Box 411
Berwick PA 18603

VALVES FROM 14" THRU 48"

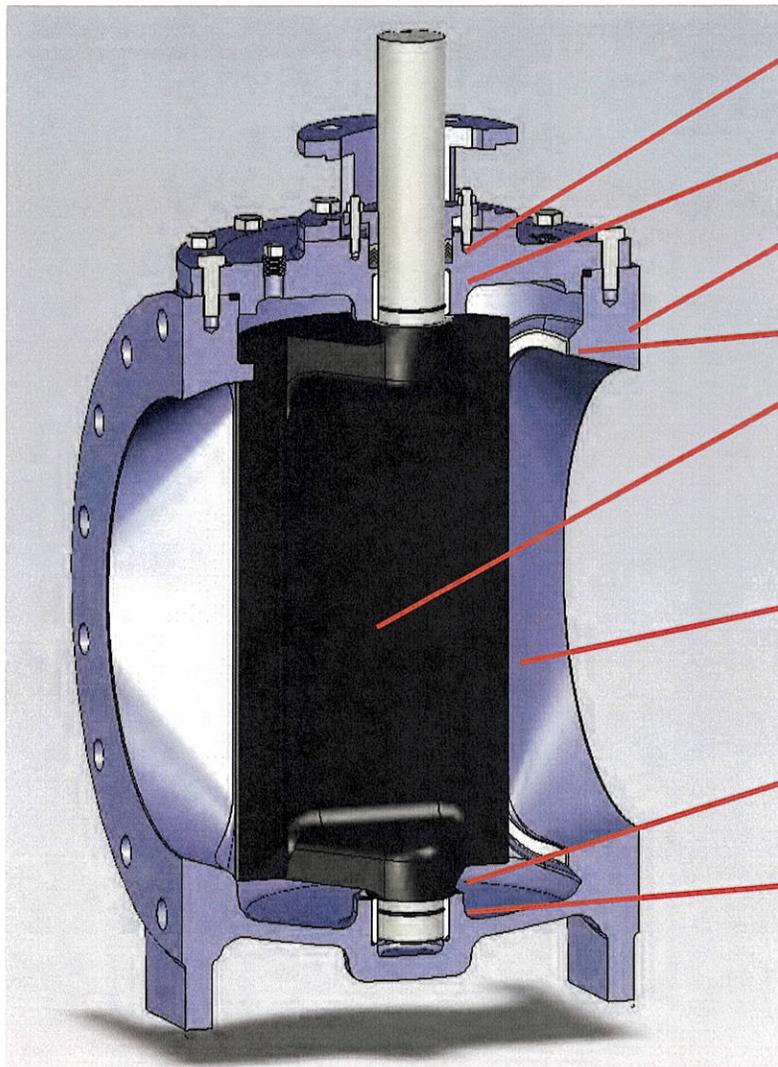
Crispin



800-247-VALV
www.crispinvalve.com

700 SERIES Plug Valve Sizes 14"-48"

Crispin/K-Flo Series 700 is a rectangular 100% ported Eccentric Plug valve compliant to AWWA C517. Commonly used in Wastewater and arduous installations such as mining--where the pumped media can contain fouling or abrasive solids--the Eccentric Plug Valve is a simple yet critical choice for the maintenance minded end-user. *Crispin/K-Flo 700 Series gives the user 100% Full Ported performance* while incorporating many of the key features customers have identified as critical to long-term Plug Valve function. Similar to our 900 Series reduced port unit, The 700 offers as standard Top and Bottom Grit Seals, Adjustable Packing, and Stainless Steel Fasteners standard. Available in both Flanged and Mechanical Joint End versions and fully pigable.



Adjustable Packing--Allows for maintenance and replacement of the packing without the removal of the actuator from the valve.

Bearings--Stainless Steel T316, Sintered for increased lubricity and hardness

Body--ASTM A126 Class B Cast Iron Standard. ANSI B16.1 Class 125 Flanged or AWWA C111 Mechanical Joint ends are available. Ductile Iron Option available.

Seat--Welded 99% nickel seat.

Plug--ASTM A-536-Grade 65-45-12 **Ductile Iron** Standard. Fully molded with Buna-N rubber, leaving no plug surface, either front or back, that is exposed to the media. The Shaft and Plug are also one integral casting, adding strength by removing any potential shear points as in other valve designs.

100% Full Rectangular Port--The 100% port design is a proven design standard that provides the lowest full open Head Loss values in the industry.

Thrust Washers--Upper and Lower reduce wear and provide secondary protection from media along with the primary Top and Bottom Grit Seals.

Grit Seals--Provided Top and Bottom as standard, grit seals provide frontline sealing defense against abrasive media, thus extending both packing and bearing life.

* Class 250 valves are available. Please contact the factory.

MATERIALS

SIZES

14"-48" in AWWA Class 150, 250 (meets AWWA C517)

BODY

Cast Iron (ASTM A126, Class B)
Optional Ductile Iron (ATM A536, Grade 65-45-12)

SEAT

99% Welded Nickel

PORT

100% Full Rectangular Port, 14" Thru 48"

PLUG

Ductile Iron (ASTM A536, Grade 65-45-12)
Fully Molded Buna-N; EPDM Optional

BEARINGS

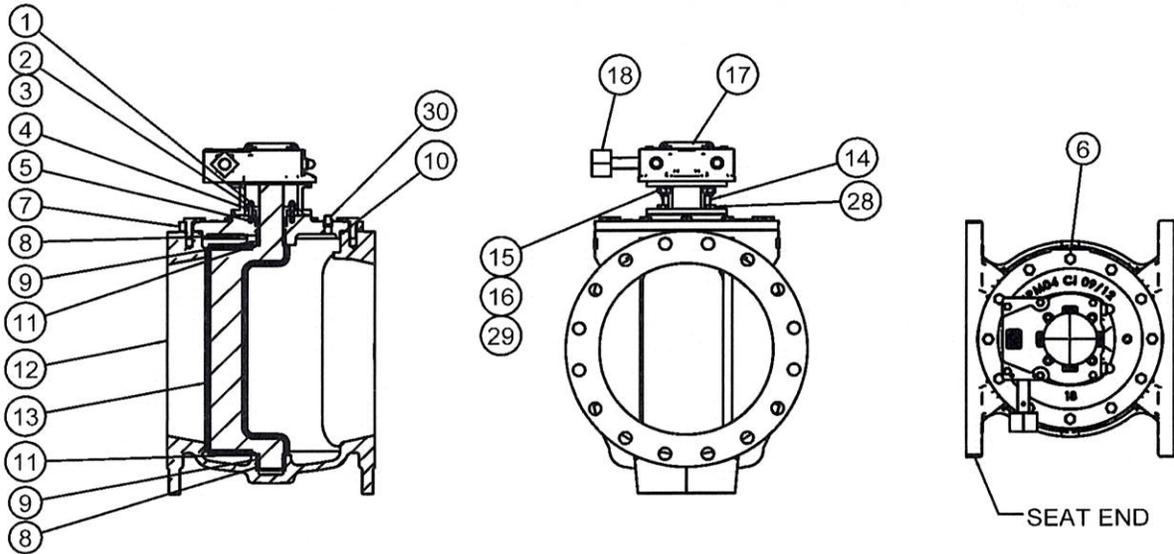
ASTM A276, Grade 316 Stainless Steel

BOLTS AND NUTS

304 Stainless Steel Standard

700 SERIES MATERIAL LIST

14" to 24", 212F Max Temp., 150 psi Max Press, Bi-Directional



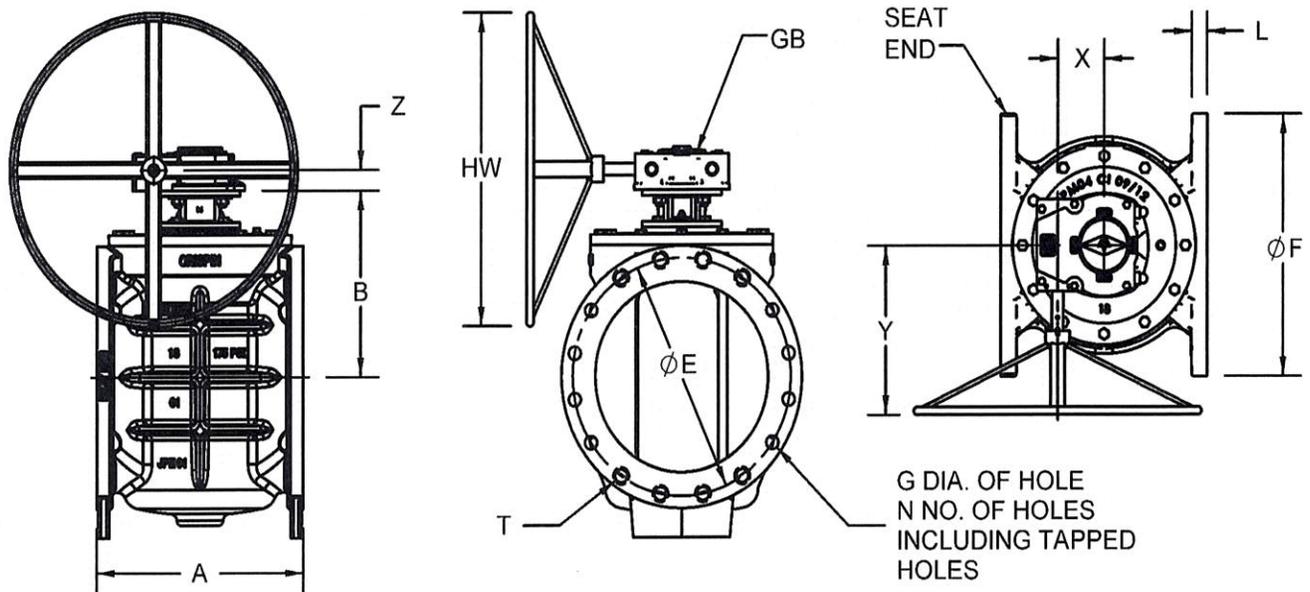
| ITEM | DESCRIPTION | MATERIAL | | | |
|------|-------------------|-----------------|----|-------------------|----------------------|
| | | | 11 | THRUST WASHER | PTFE |
| 01 | GLAND STUD | STAINLESS STEEL | 12 | BODY | ASTM A126 CL.B |
| 02 | HEX NUT | STAINLESS STEEL | 13 | PLUG MOLDED | A536 GR.65-45-12+NBR |
| 03 | FLAT WASHER | STAINLESS STEEL | 14 | GEARBOX ADAPTER | ASTM A126 CL.B |
| 04 | GLAND | ASTM A126 CL.B | 15 | LOCK WASHER | STAINLESS STEEL |
| 05 | V-RING SET | NBR | 16 | HEX NUT | STAINLESS STEEL |
| 06 | HEX HEAD CAPSCREW | STAINLESS STEEL | 17 | MASTERGEAR WG | PURCHASED |
| 07 | COVER | ASTM A126 CL.B | 18 | 2" AWWA NUT | CARBON STEEL |
| 08 | BEARING | SST, SINTERED | 28 | HEX HEAD CAPSCREW | STAINLESS STEEL |
| 09 | O-RING | NBR | 29 | STUD | STAINLESS STEEL |
| 10 | O-RING | NBR | 30 | PIPE PLUG | STAINLESS STEEL |

700 SERIES (100% PORT) VALVE WEIGHTS

| Size | 14 | 16 | 18 | 20 | 24 | 30 | 36 | 42 | 48 |
|------|-----|-----|-------|-------|-------|-------|-------|-----------------|----|
| Lbs. | 765 | 989 | 1,295 | 1,602 | 2,640 | 5,204 | 8,968 | Consult Factory | |

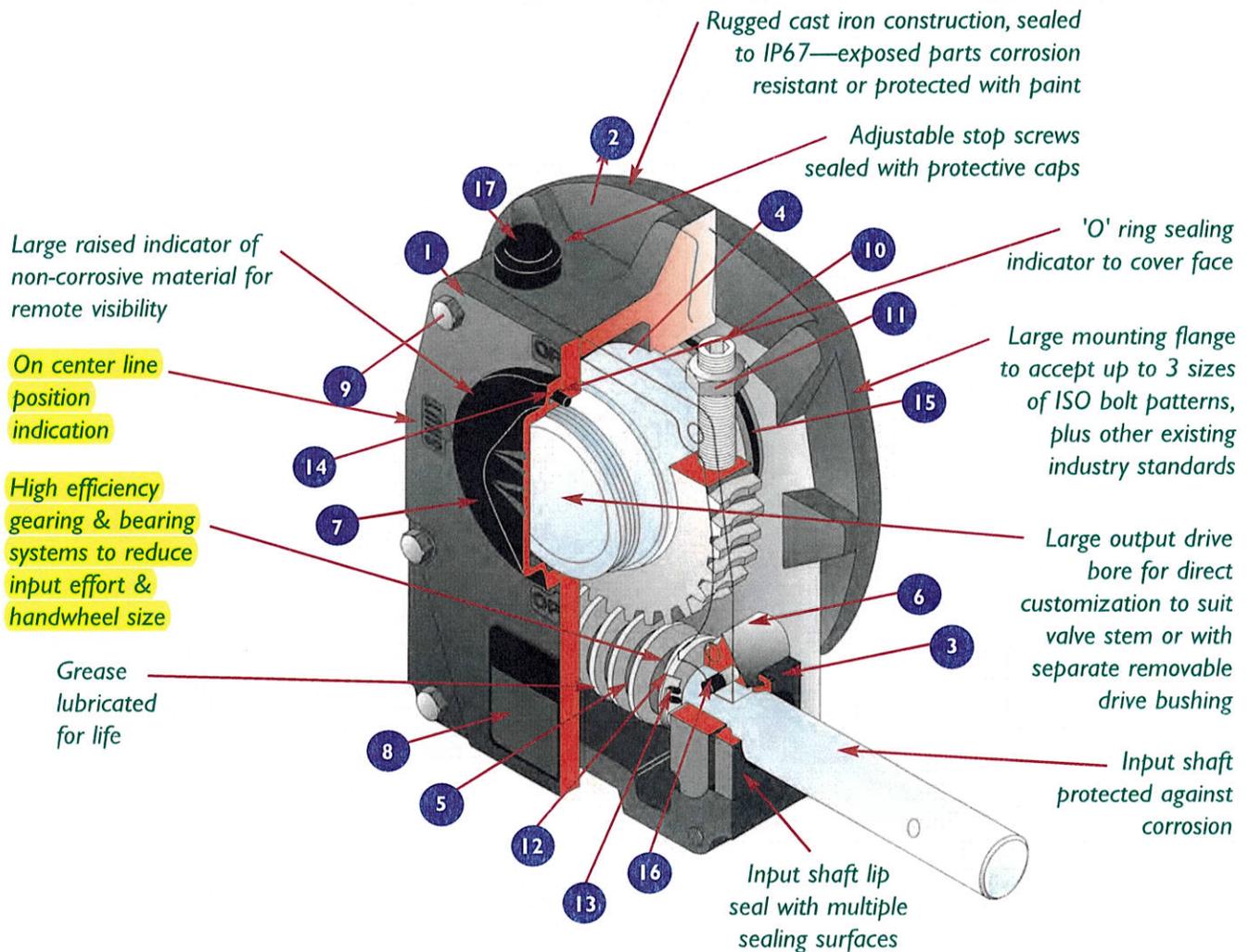
700 SERIES Dimensional Data (100% Port)

K-FLO Model 704 (FL x FL w/ Hand Wheel)



| VALVE SIZE | A | B | E | F | G | N | L | T | GB | HW | X | Y | Z |
|-------------------------------|-------|-------|---------------------------------------------|-------|------|----|------|----------------|-----|----|------|-------|------|
| 14" | 17.00 | 17.00 | 18.75 | 21.00 | 1.13 | 12 | 1.37 | 4X 1.000"-8 | M15 | 24 | 4.84 | 14.27 | 1.97 |
| 16" | 17.75 | 17.85 | 21.25 | 23.50 | 1.13 | 16 | 1.44 | 8X 1.000"-8 | M15 | 36 | 4.84 | 15.77 | 1.97 |
| 18" | 21.50 | 19.1 | 2" Operating Nut also included un-attached. | | | | | 8X | M15 | 36 | 4.84 | 16.77 | 1.97 |
| 20" | 23.50 | 20.4 | | | | | | '-7 | M15 | 30 | 3.54 | 19.34 | 2.36 |
| 24" | 42.00 | 29.50 | 29.50 | 32.00 | 1.38 | 20 | 1.88 | NA | M20 | 30 | 4.20 | 18.53 | 3.35 |
| 30" | 51.00 | 27.65 | 36.00 | 38.75 | 1.38 | 38 | 2.25 | NA | M30 | 36 | 4.20 | 20.89 | 3.35 |
| 36" | 60.00 | 32.19 | 42.00 | 46.00 | 1.63 | 32 | 2.50 | NA | M50 | 24 | 4.91 | 24.82 | 5.35 |
| Please Consult Factory | | | | | | | | | | | | | |
| 42" | | | | | | | | | | | | | |
| 48" | | | | | | | | | | | | | |

700 SERIES Worm Gear Data



| Item | Component | Material Description | Material Specification |
|------|--------------------------------|---------------------------|---------------------------|
| 1 | Cover | Grey cast iron | BS1452 Grade 260 |
| 2 | Gearcase | Grey cast iron | BS1452 Grade 260 |
| 3 | Wormshaft Oilseal | Injection Moulded Plastic | Hytrel 5526 |
| 4 | Quadrant | Ductile Iron | BS2789 Grade 500/7 |
| 5 | Wormshaft | Nitempered Steel | BS970 606M36 |
| 6 | Wormshaft Bearings | Sintered Iron Copper | FC02540 |
| 7 | Indicator Cap | Injection Moulded Plastic | Acetal Kematal WR90 |
| 8 | Nameplate | Self-adhesive Aluminum | Grey on Bright Background |
| 9 | Cover Screws | Hex. Head Set Screws | BS3692 Grade 8.8 |
| 10 | Stopscrews | Socket Set Screws | BS4168 Part 2 |
| 11 | Locknut | Hex. Locknut | BS3692 |
| 12 | Bearing Thrust Washers | Needle Thrust Washer | Type AS |
| 13 | Thrust Bearings | Needle Thrust Bearing | Type AXK |
| 14 | Indicator O-ring | Medium Nitrile | 60-80 Shore Hardness |
| 15 | Quadrant O-ring | Medium Nitrile | 60-80 Shore Hardness |
| 16 | Dowels | Hardened & Ground Steel | BS7055 Type A |
| 17 | Locknut Protection Caps | Injection Moulded Plastic | Low Density Polyethylene |

CRISPIN/K-FLO SERIES 700 SPECIFICATIONS

Plug Valves shall be of the non-lubricated eccentric type with an elastomer covering the entire Plug seating surfaces, both front and back. The elastomer shall be chosen for the service intended.

Flanged valves shall be manufactured in accordance with ANSI B16.1 Class 125/150 including facing, drilling and flange thickness. Mechanical joint ends shall be in compliance with AWWA/ANSI C-111-92.

Ports shall be round on sizes 2½"-12" (Series 800) and rectangular 100% full port area design on valves 14" and larger. All valves shall be capable of being "pigged" with a soft pig when required. Valve bodies shall be of ASTM A-126 Class B cast iron in accordance with AWWA C-517.

Valves 3" and larger shall be furnished with a welded-in overlay seat of 1/8" thick of not less than 99% nickel in accordance with AWWA C-517-09, Section 4.3.3.4. Sprayed, plated or screwed-in seats are not acceptable. Plugs shall be of ASTM A-536-Grade 65-45-12 for sizes 20" and smaller, and ASTM A126 Class B Cast Iron for sizes 24" and larger in compliance with AWWA C-517.

The plugs shall be of one piece solid construction with PTFE thrust bearings on the upper and lower bearing journals to reduce torque and prevent dirt and grit from entering the bearing and seal area. Valves shall be furnished with replaceable Stainless Steel, sintered sleeve type bearings conforming to AWWA C-517. Bearings shall be of sintered, oil impregnated type 316 stainless steel ASTM A-743 Grade CF-8M.

Upper valve shaft packing shall be of the "Vee" type in accordance with AWWA C-517. Packing shall be fully adjustable and replaceable without removing the actuator from the valve.

Wrench operated valves 2½"-8" shall be capable of being converted to worm gear or automated operation without removing the bonnet or plug from the valve. All wrench operated valves shall be equipped with a 2" square nut for use with removable levers or extended "T" handles.

Worm gear operators, where required, shall be constructed with a ductile iron quadrant, a one-piece input worm shaft, and axial needle roller bearings. The one-piece worm shaft shall be manufactured of corrosion resistant Nitempered Steel.

Valves shall be designed and manufactured to shut off drip tight at 175 psi for valves 2½"-12" and 150 psi for valves 14" and larger. Each valve shall be given a hydrostatic and seat test with the test results being certified when required by the customer. Certified copies of Proof-of-Design test reports shall be furnished as outlined in AWWA C-517 when requested.

Plug valves shall be 700 Series as manufactured by Crispin/K-Flo of Berwick, PA