

DATE: 4/17/2015

INVITATION TO BID  
THIS IS NOT AN ORDER

Page: 4

BID NO.: 50-00113108

**JEFFERSON PARISH**

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

VENDOR: 27118 BLANK BID COPY VENDOR

BUYER: DMEVANS

Bids will be received until 11:00 AM, 4/22/2015 via fax: 504-364-2693 or via online at [www.jeffparish.net](http://www.jeffparish.net)

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 is to be done in a workman-like manner, according to standard practices. Any deviations or alterations from the specifications must be indicated and backup documentation supplied with your quotation.

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

8-9 Weeks after receipt of order

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: None

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

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

**\*\*\* ALL BIDDERS MUST COMPLETE SECTION BELOW \*\*\***

FIRM NAME: Water Technology Resources Inc

SIGNATURE:   
(Must be signed here)

TITLE: President

PRINT OR TYPE NAME: Sally Waldor

ADDRESS: 9201 E Bloomingotn Fwy Suite Z

CITY, STATE: Bloomington MN

ZIP: 55420

TELEPHONE: (952) 641-9004

FAX: (952) 885-9173

EMAIL ADDRESS: sallywaldor@wtrvalves.com

TOTAL PRICE OF ALL BID ITEMS: \$ 15,380.00

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00113108

SEALED BID

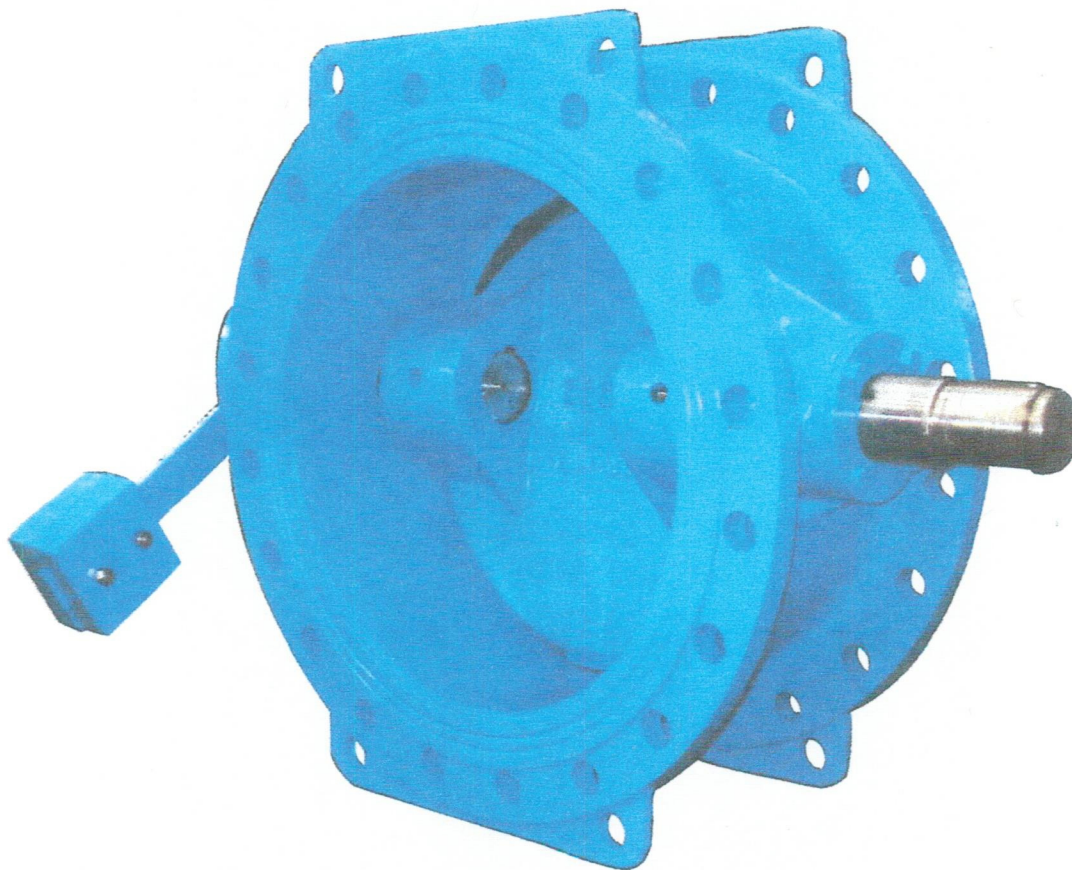
ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	2.00	EA	<p>PRATT TILTING DISC CHECK VALVE</p> <p>0010 12 INCH PRATT TDCV-Z1 TILTING DISC CHECK VALVE</p> <p>WATER DEPT.-EB PLANT-KENNY O'NEAL</p> <p>THESE VALVES WILL BE USED TO REPLACE PRATT VALVES ON BOTH OF THE TRANSFER PUMPS IN THE P-2 EAST BANK WATER PLANT</p> <p>PLEASE SHIP TO:</p> <p>JEFFERSON PARISH EB WATER PLANT 3600 JEFFERSON HWY., BLDG. D JEFFERSON, LA 70121</p> <p>ATTN: KENNY O'NEAL 504-838-4399</p>	\$7,690.00	\$15,380.00



# Products Introduction

## Tilting Disc Check Valve

HD41Xb Tilting disc check valve



# TILTING DISC CHECK VALVE

The Tilting Disc Check Valve, two pieces bodies designed, accomplishes full flow opening by having the disc pivot or tilt in the flow media. The opening stroke range is much less than that of the conventional swing check valves, therefore reduces opening and closing time critical to controlling flow reversal and reducing water hammer. The full flow area with lower head-loss ensures tilting disc check valve will operate with the highest efficiency and durability.

The tilting disc check valve shall consist of a circular disc with conical rim, hinged about a fixed pivot above its center-line and offset from the plane of the seat, sealing against a body seat clamped between the two sections of the valve body. The body shall be two-piece, consisting of an entrance and a discharge section bolted together at an angle with the pipeline. An O-ring seal in a groove between the body flanges shall be in place to prevent leakage between the flanges when bolted together. The valve shall be complete with ANSI class flanges to mate with adjacent equipment.

## NON SLAMMING CLOSURE

The design of the seat and hydraulic dashpot cushions the closing forces on the disc to allow for smooth operation.

This prevents slamming of the disc into the seat.



Minimal effort to keep the disc open is achieved through the balanced disc design that provides light weight lifting properties, which translates to minimal flow resistance.

## LOW MAINTENANCE

All parts, including the seat, are easily field-replaceable, thus minimizing down time.

Corrosion resistant inner parts ensure long term service under adverse conditions.

- Blow Out Proof Design
- Smooth & Noiseless Sealing
- Rugged Construction
- Extended hinge shaft and counterweights on both sides of the valve
- Precision machined tilting disc and seat for tight shut-off in reverse flow direction
- Designed with off center pivot to avoid the tendency of the disc to slam on the seat and to aid the operation at low pressure differentials

## SPECIFICATION

- Available in sizes 12 inches through 60 inches.
- Various end configurations available.
- Ductile iron body, disc and cover.
- Bronze disc and body sealing rings.
- Stainless steel pivot pin.
- Other materials available upon request.
- Larger size available on request.

## LOW HEAD-LOSS & LOW COST OPERATION





January, 2014

### **55° Tilt/Slant Disc Check Valve** **AWWA C508/API 594**

#### **Valve Design**

The Valve is a Metal Seated design consisting of two Flanged Sections bolted together on a 55 degree angle.

The Valve Disc design is comparable to an airplane air foil design, provided with Eccentric Pivot Trunnions located to divide the Disc in proportions of 1/3 and 2/3 which allows the disc to rotate away from the surface of the Seat Ring without having contact.

The Disc operates between 15 degrees off of the horizontal and closes at the 55 degree angle. The short distance of travel to close the disc results in minimizing the effect of flow reversal and provides for non-slam performance.

Flow area through inlet and outlet of the Valve Body shall be equal to the connecting pipe size with a gradual area increase at the Valve Seat.

The Valve Design shall be contoured and unrestricted to provide full flow through the Valve resulting in Disc stabilization at 40 degrees open.

In Stabilization of the Disc at 40 degrees open, head loss performance is substantially less than a 90° Swing Disc design.

#### **Valve Size and Performance**

Size Range – 2"-60"

Pressure Range up to 400 psi cold water operating pressure.

Flange End Connections in accordance with ANSI 125 and Class 250 Flanges.

Diameter of the Pivot Pins shall vary with Valve size.

Positive Seating is accomplished under all operating pressures.

Factory Testing with Certified Test Results provided

Flanged Inspection holes shall be provided

## **WATER TECHNOLOGY RESOURCES - WTR VALVES**

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NSF61 FBE Protective Coating

### **Materials of Construction**

Body – Cast Iron/Ductile Iron/Stainless Steel/Carbon Steel

Disc Ring, Pivot Pin, Bushing, and Seat Ring – Aluminum Bronze

Pivot Pins and Bushings – Aluminum Bronze

Position Indicator – Stainless Steel

### **Options**

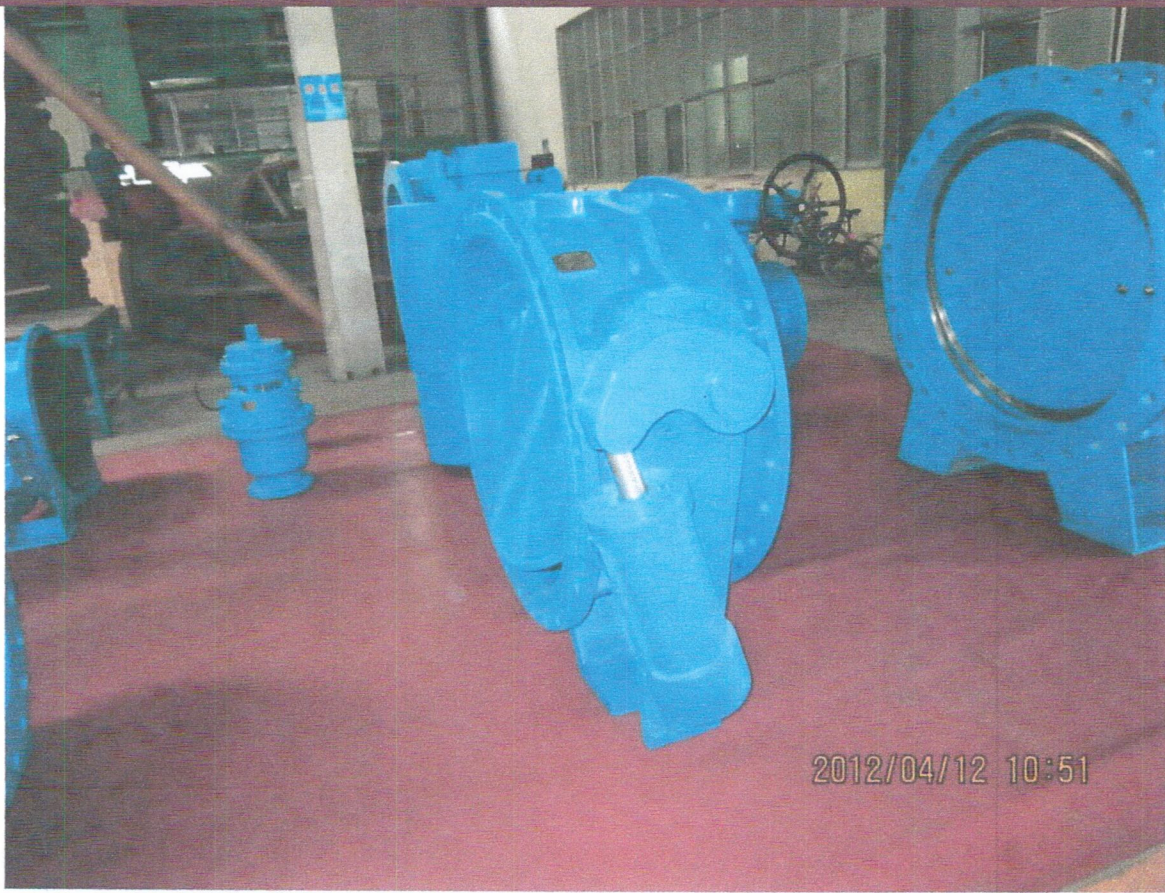
Bypass Piping

Limit Switches

Oil Dashpots – Bottom/Top

API Industrial Grade 55° Check Valves are also available





Tilting disc check valve



Tilting disc check valve



