

DATE: 8/18/2016

INVITATION TO BID  
THIS IS NOT AN ORDER

Page: 4

BID NO.: 50-00117526

**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 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.

<b>DELIVERY: FOB JEFFERSON PARISH</b>	
INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES	<u>3-5 DAYS</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) \_\_\_\_\_

<b>*** ALL BIDDERS MUST COMPLETE SECTION BELOW ***</b>	
FIRM NAME: <u>Cimsco</u>	
SIGNATURE: <u>[Signature]</u> (Must be signed here)	TITLE: <u>SALES</u>
PRINT OR TYPE NAME: <u>Jeff DeLuca</u>	
ADDRESS: <u>1840 L4A RD</u>	
CITY, STATE: <u>METairie, LA</u>	ZIP: <u>70001</u>
TELEPHONE: <u>(504) 835-7319</u>	FAX: <u>(504) 832-0820</u>
EMAIL ADDRESS: <u>Jeff@Cimscoinc.com</u>	

TOTAL PRICE OF ALL BID ITEMS: \$ 554<sup>00</sup>

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00117526

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			STOCK SUPPLIES NEEDED FOR THE JEFFERSON PARISH EB DEPARTMENT OF SEWERAGE		
1	24.00	EA	0001 - Shackle, anchor, 5/8 inch opening, screw pin, 316 stainless steel, 3000 pound working load, Cooper No. 640-2110 (0271110)	N/B	-
2	72.00	EA	0002 - Clip, wire rope, 1/2 inch, grade 304 stainless steel, grade 316 saddle, Fastenal no. 74629 (0271370)	N/B	-
3	16.00	EA	0003 - Bolt, eye, 5/16 in-18, 4-1/4 in long shank, forged galvanized, with nut, 1200 lb working load limit, Crosby G-291 no. 1043294 (0271620)	N/B	-
4	24.00	EA	0004 - Bolt, eye, 7/16 in-14 UNC - 2A thread size, 1.38 in shank, 1800 lb capacity, meets ASTM A 489 and ANSI B 18.15, Proto no. 94023 (0275030)	N/B	-
5	24.00	EA	0005 - Bolt, eye, 9/16 in-12 UNC-2A thread size, 1.75 in shank, 3200 lb capacity, meets ASTM A 489 and ANSI B 18.15, Proto no. 94025 (0275050)	N/B	-
6	4.00	EA	0006 - Seal oil C-R no. 33645 (0445030)	N/B	-
7	6.00	EA	0007 - Bearing, ball, double shield, no. 6315-ZZ (0454360)	N/B	-
8	48.00	EA	0008 - Nipple, king, combination, 1-1/2 inch, cadmium or zinc plated steel, hose x male national pipe threads, Dixon brand or equal (0486800)	N/B	-
9	24.00	EA	0009 - Valve, air cock, 1/8 in FPT x 1/8 in FPT, brass,	N/B	-

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00117526

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
10	4.00	EA	lever handle, Conbraco no. 41-430-05 (0621150)	N/B	-
11	8.00	EA	0010 - Sleeve, Woods Sure-Flex two piece type no. 9HS (0628600)	N/B	-
12	144.00	EA	0011 - Element (spider), coupling, (L) type, sox (NBR), solid for L-150, Lovejoy no. 685144-12001 (0632600)	1.29	185.76
13	36.00	EA	0012 - Coupling, PVC, schedule 80, 3/4 in, female socket x female socket (electrical conduit fittings are not acceptable) (0690220)	1.33	47.88
14	500.00	LF	0013 - Adapter, female, schedule 80 PVC, 3/4 inch, socket x thread (0690710)	N/B	-
15	8.00	EA	0014 - Pipe, PVC, schedule 80, 3/4 inch x 20 foot, plain ends, no bells, electrical conduit is not acceptable, Fastenal no. 0472012 (0691020)	19.25	154.00
16	72.00	EA	0015 - Valve, ball, PVC, schedule 80, true union, 1/2 in, female socket x female socket (0692000)	N/B	-
17	36.00	EA	0016 - Bushing, hex, galvanized, 1/2 inch x 1/4 inch, schedule 40 (0289980)	N/B	-
18	12.00	EA	0017 - Bushing, hex galvanized, 3/4 inch x 1/4 inch, schedule 40 (0290030)	N/B	-
			0018 - Washer, lock, bearing, carbon steel, bore 3.543 in,	N/B	-

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00117526

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
19	50.00	EA	tang dia. 4.953 in, thickness 0.115, key width 0.353 in, standard, No. W-18 (0470180) 0019 - Valve, air cock, 1/4 in MPT x 1/4 in MPT, 80 psi, satin brass, tee handle, domestic, Conbraco no. 41-190-01 (0621250)	N/B	-
20	4.00	EA	0020 - Coupling (hub), L-Jaw, no. L-110, with 1-3/8 in (1.375 in) bore, 5/16 in x 5/32 in keyway, Lovejoy no. 685144 - 11745 (063247S)	N/B	-
21	36.00	EA	0021 - Elbow, 90 degree, 3/4 in, schedule 80 PVC, socket x socket, electrical conduit is not acceptable (0690060)	.67	24.12
22	16.00	EA	0022 - Elbow, 90 degree, 1-1/4 in, schedule 80 PVC, socket x socket, electrical conduit is not acceptable (0690100)	1.45	23.20
23	48.00	EA	0023 - Adapter, male, PVC, schedule 80 1-1/4 inch female socket x male thread (electrical conduit fittings are not acceptable) (0690730)	2.48	119.04
24	6.00	EA	0024 - Gauge, vacuum, 0-30 in hg, 2-1/2 in face, 1/4 in mpt bottom connection, enamel case, Dixon Boss no. GL305 (0695500) Stock - r & m l/s	N/B	-



## PVC Performance Engineered and Tested



**SPEARS®** Schedule 80 PVC product designs combine years of proven experience with computer generated stress analysis to yield the optimum physical structure and performance for each fitting. Material reinforcement is uniformly placed in stress concentration areas for substantially improved pressure handling capability. Resulting products are subjected to numerous verification tests to assure obtaining the very best PVC fittings available.

### 1/4" Through 14" Availability

Spears® comprehensive line of PVC injection molded fittings and extruded pipe offers a variety of configurations in sizes 1/4" through 14". Schedule 80 fittings are manufactured to ASTM D 2467 and pipe is produced to ASTM D 1785. Spears® exclusive CL150 Flanges are produced in sizes 1/2" - 18" with ANSI B16.5 bolt patterns, plus numerous Unions, Saddles, Transition and Specialty fittings in a variety of sizes.

### Exceptional Chemical & Corrosion Resistance

Unlike metal, PVC fittings and pipe never rust, scale, or pit, and will provide many years of maintenance-free service and extended system life.

### High Temperature Ratings

PVC thermoplastic can handle fluids at service temperatures up to 140°F (60°C), allowing a wide range of process applications, including corrosive fluids.

### Lower Installation Costs

Substantially lower material costs than steel alloys or lined steel, combined with lighter weight and ease of installation, can reduce installation costs by as much as 60% over conventional metal systems.

### Higher Flow Capacity

Smooth interior walls result in lower pressure loss and higher volume than conventional metal fittings.

### Additional Fabricated

#### Configurations through 36"

Extra large, hard-to-find, and custom configurations are fabricated from NSF® Certified pipe. Fittings are engineered and tested to provide full pressure handling capabilities according to Spears® specifications.

### Advanced Design Specialty Fittings

Spears® wide range of innovative, improved products include numerous metal-to-plastic transition fittings and unions with Spears® patented special reinforced (SR) plastic threads.

### PVC Valves

SPEARS® PVC Valve products are available for total system compatibility and uniformity.

### PVC Sample Engineering Specifications

All PVC Schedule 80 pipe and fittings shall be produced by Spears® Manufacturing Company from PVC Type I, cell classification 12454, conforming to ASTM Standard D 1784. All PVC injection molded Schedule 80 fittings and extruded pipe shall be Certified for potable water service by NSF International. All Schedule 80 fittings shall be manufactured in strict compliance to ASTM D 2467 and Schedule 80 pipe shall be manufactured in strict compliance to ASTM D 1785. All fabricated fittings shall be produced in accordance with Spears® General Specifications for Fabricated Fittings. All PVC flanges shall be designed and manufactured to meet CL150 bolt pattern per ANSI Standard B16.5 and rated for a maximum internal pressure of 150 psi, non-shock at 73°F.

## Schedule 80 PVC Technical Information Schedule 80 Product Overview



The information contained in this publication is based on current information and product design at the time of publication and is subject to change without notification. Our ongoing commitment to product improvement may result in some variation. No representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or results to be obtained therefrom. For verification of technical data or additional information not contained herein, please contact Spears® Technical Services Department [West Coast: (818) 364-1611 - East Coast: (678) 985-1263].

### General Information

#### Recommendations For Installers And Users

Plastic piping systems should be **ENGINEERED, INSTALLED** and **OPERATED** in accordance with **ESTABLISHED DESIGN AND ENGINEERING STANDARDS AND PROCEDURES** for plastic piping systems. Suitability for the intended service application should be determined by the installer and/or user prior to installation of a plastic piping system. **PRIOR TO ASSEMBLY, all piping system components should be inspected for damage or irregularities. Mating components should be checked to assure that tolerances and engagements are compatible. Do not use any components that appear irregular or do not fit properly. Contact the appropriate manufacturer of the component product in question to determine usability. Consult all applicable codes and regulations for compliance prior to installation.**

**Solvent Weld Connections** - Use Spears® quality solvent cements and primers formulated for the intended service application, pipe size and type of joint. While the pipe and fitting materials may be compatible with the intended medium, the solvent cement may not be. Consult the manufacturers for suitability of use. Read and follow the cement and primer manufacturers' applications and cure time instructions thoroughly. Be sure to use the correct size applicator.

**Threaded Connections** - Use a quality grade thread sealant. **WARNING: SOME PIPE JOINT COMPOUNDS OR PTFE PASTES MAY CONTAIN SUBSTANCES THAT COULD CAUSE STRESS CRACKING TO PLASTIC.** Spears® Manufacturing company recommends the use of Spears® BLUE 75™ Thread Sealant which has been tested for compatibility with Spears® products. Please follow the sealant manufacturers' application/installation instructions. Choice of an appropriate thread sealant other than those listed above is at the discretion of the installer. 1 to 2 turns beyond **FINGER TIGHT** is generally all that is required to make a sound plastic threaded connection. Unnecessary **OVERTIGHTENING** will cause **DAMAGE TO BOTH PIPE AND FITTING.**

### Standards and Specifications

Molded Schedule 80 PVC products are manufactured to ASTM D 2467 for use with pipe manufactured to ASTM F 441. Certain products carry reduced pressure handling capability and have maximum internal pressure ratings at 73°F noted.

Fabricated Schedule 80 PVC pressure fittings (part numbers ending with "F") are manufactured to Spears® specifications for use with pipe manufactured to ASTM D 1785. General Specifications for Standard Fabricated Fittings for additional information.

All specified Schedule 80 PVC products are manufactured from materials certified by NSF® for use in potable water service.

"Lead Free" low lead certification - unless otherwise specified, all Spears® Schedule 80 fittings specified here-in are certified by NSF International to NSF/ANSI 372 and conforms with the lead content requirements for "lead free" plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act. Weighted average lead content  $\leq 0.25\%$ . Spears® PVC and CPVC Pipe, Fittings and Valves have always been lead-free and Certified by NSF International for use in potable water systems. Spears® offers a wide range of lead-free specialty fittings and transition adapters for plumbing applications. However, certain brass threaded adapter fittings for applications that are not intended to convey water for human consumption through drinking or cooking are still produced and available.



## Valves Product Guide & Engineering Specifications

### True Union 2000 Standard Ball Valves



#### Features — PVC, CPVC

Economical, low profile quarter-turn shutoff valve is excellent for general purpose and many O.E.M applications. PVC and CPVC valves are available in IPS sizes 1/2" through 4" with socket, regular thread, SR threaded (Special Reinforced), flanged or spigot end connectors.

- Chemical & Corrosion Resistant PVC or CPVC Construction
- Interchangeable with all True Union 2000 Valves, Mates with Union 2000 Pipe Unions
- High Impact Polypropylene Handle
- Schedule 80 Full-Port Design
- Strong, Buttress Thread Union Nuts
- Spears® Single O-ring Safe-T-Shear® Stem Design
- Spears® Safe-T-Blocked® Seal Carrier
- Replaceable PTFE/HDPE Floating Seat Design
- EPDM or FKM O-rings
- Sizes 1/2" - 2" pressure rated to 235 psi @ 73°F
- Sizes 2-1/2" - 4" and all flanged pressure rated to 150 psi @ 73°F
- EPDM valves NSF® Certified for Potable Water use
- Suitable for Vacuum Service
- Assembled with Silicone-Free, Water Soluble Lubricants
- Manufactured to ASTM F 1970

#### Sample Engineering Specification

All thermoplastic ball valves shall be True Union 2000 Standard type manufactured to ASTM F 1970 and constructed from PVC Type I, ASTM D 1784 Cell Classification 12454 or CPVC Type IV, ASTM D 1784 Cell Classification 23447. All O-rings shall be EPDM or FKM. All valves shall have Safe-T-Shear® stem with O-ring stem seal. All handles shall be polypropylene. All union nuts shall have Buttress threads. All seal carriers shall be Safe-T-Blocked®. All EPDM valves shall be certified by NSF® International for use with potable water. All 1/2" - 2" valves shall be pressure rated to 235 psi, all 2-1/2" - 4" and all flanged valves to 150 psi for water @ 73°F, as manufactured by Spears® Manufacturing Company.

#### Quick-View Valve Selection Chart

Valve Size	O-ring Material	PVC Part Number <sup>1</sup>					Pressure Rating
		Socket	Threaded	SR Threaded	Flanged	Spigot	
1/2	EPDM	3629-005	included	3621-005SR	3623-005	3627-005	235 psi Non-Shock Water @ 73°F  (Flanged 150 psi Non-Shock) Water @ 73°F
	FKM	3639-005	included	3631-005SR	3633-005	3637-005	
3/4	EPDM	3629-007	included	3621-007SR	3623-007	3627-007	
	FKM	3639-007	included	3631-007SR	3633-007	3637-007	
1	EPDM	3629-010	included	3621-010SR	3623-010	3627-010	
	FKM	3639-010	included	3631-010SR	3633-010	3637-010	
1-1/4	EPDM	3629-012	included	3621-012SR	3623-012	3627-012	
	FKM	3639-012	included	3631-012SR	3633-012	3637-012	
1-1/2	EPDM	3629-015	included	3621-015SR	3623-015	3627-015	
	FKM	3639-015	included	3631-015SR	3633-015	3637-015	
2	EPDM	3629-020	included	3621-020SR	3623-020	3627-020	
	FKM	3639-020	included	3631-020SR	3633-020	3637-020	
2-1/2	EPDM	3622-025	3621-025	3621-025SR	3623-025	3627-025	
	FKM	3632-025	3631-025	3631-025SR	3633-025	3637-025	
3	EPDM	3622-030	3621-030	3621-030SR	3623-030	3627-030	
	FKM	3632-030	3631-030	3631-030SR	3633-030	3637-030	
4	EPDM	3622-040	3621-040	3621-040SR	3623-040	3627-040	
	FKM	3632-040	3631-040	3631-040SR	3633-040	3637-040	

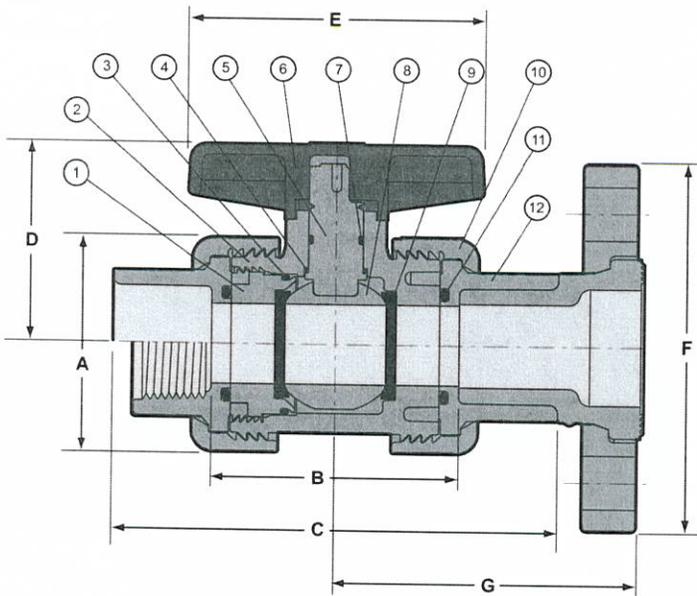
<sup>1</sup>: For CPVC valve, add the letter "C" to the part number (e.g., 3629-005C, 3621-005CSR)

#### Optional Accessories\*

- Retro-Fit End Connector Sets for Valve Replacement
- Split-Nut Repair Kits for Union Nut Replacement
- Supplemental End Connectors
- Round Safety Handles
- Stem Extension Kits
- Square Operator Nuts
- Multi Mount Valve/ Actuation Mounting Kits
- Mini-Mount Actuation Mounting Kits

\* See "BALL VALVE ACCESSORIES" section for details of individual products.

## Valves Product Guide & Engineering Specifications True Union 2000 Standard Ball Valves



### Replacement Parts

No.	Component	Qty.	Material
1	Seal Carrier	1	PVC/CPVC
2	Body	1	PVC/CPVC
3	Carrier O-ring	1	EPDM/FKM
4	Stem Bearing <sup>1,2</sup>	1	PP
5	Stem	1	PVC/CPVC
6	Handle	1	PP
7	Stem O-ring	1	EPDM/FKM
8	Ball	1	PVC/CPVC
9	Seat	2	PTFE/HDPE
10	Union Nut	2	PVC/CPVC
11	End Connector O-ring	2	EPDM/FKM
12	End Connector	2	PVC/CPVC

1: O-Ring up to 2"  
2: PTFE Thrust Bearing: 2-1/2", 3" & 4"

### Dimensions, Weights, Operating Torque & C<sub>v</sub> Values

Nominal Size	A	B <sup>1</sup>		C			D	E	F	G	Approx. Wt. (Lbs.)		Oper. <sup>2</sup> Torque (in. lbs.)	C <sub>v</sub> <sup>3</sup> Values	
		Soc/Thd	Spigot	Socket	Thread	Spigot					PVC	CPVC		Soc/Thd/Spig	Flanged
1/2	1-7/8	2-7/16	2-7/8	4-3/16	3-13/16	4-5/8	1-5/8	2-1/2	3-1/2	2-31/32	.33	.35	12	29	18
3/4	2-1/4	2-3/4	3-1/4	4-3/4	4-1/4	5-1/4	2	3	3-7/8	3-5/16	.51	.54	20	63	39
1	2-1/2	2-7/8	3-1/2	5-1/8	4-11/16	5-3/4	2-5/16	3-7/16	4-1/4	3-5/8	.71	.75	25	120	73
1-1/4	3-1/16	3-1/4	3-13/16	5-3/4	5-3/16	6-5/16	2-13/16	3-9/16	4-5/8	3-31/32	1.12	1.17	35	243	151
1-1/2	3-1/2	3-1/2	4	6-1/4	5-7/16	6-3/4	3-1/16	3-7/8	5	4-3/8	1.47	1.53	45	357	223
2	4-1/4	4-3/4	5-13/16	7-3/4	6-3/4	8-1/4	3-3/4	5	6	5-1/4	2.62	2.75	94	599	395
2-1/2	6-3/16	7-1/8	7-13/16	10-5/8	8-1/2	11-3/8	5-1/2	7-5/8	7	6-9/16	10.49	7.70	120	856	579
3	6-3/16	7-5/32	7-13/16	10-15/16	9-3/4	11-9/16	5-1/2	7-5/8	7-1/2	6-7/8	11.22	7.81	120	1416	974
4	7-3/4	7-13/32	8-1/4	11-15/16	10-1/4	12-3/4	6-1/8	9	9-1/16	7-1/2	18.46	12.48	336	2865	1952

1: Valve Lay Length

2: Torque required at valve maximum internal pressure rating, 5ft/sec. Flow velocity; due to adjustment differences during installation, actual valves may vary.

3: Gallons per minute at 1 psi pressure drop. Valves calculated from laying length, based on derivative of Hazen-Williams equation with surface roughness factor of C=150.

### Temperature Pressure Rating

System Operating Temperature °F (°C)		100 (38)	110 (43)	120 (49)	130 (54)	140 (60)	150 (66)	160 (71)	170 (77)	180 (82)	190 (88)	200 (93)	210 (99)	
Valve Pressure Rating psi (MPa)	1/2" - 4"	PVC	235 (1.62)	211 (1.45)	150 (1.03)	75 (.52)	50 (.34)	-0- (-0-)	-0- (-0-)	-0- (-0-)	-0- (-0-)	-0- (-0-)	-0- (-0-)	
		CPVC	235 (1.62)	219 (1.51)	170 (1.17)	145 (1.00)	130 (.90)	110 (.76)	90 (.62)	80 (.55)	70 (.48)	60 (.41)	50 (.34)	-0- (-0-)
	6" and 8"	PVC	150 (1.03)	135 (.93)	110 (.76)	75 (.52)	50 (.34)	-0- (-0-)	-0- (-0-)	-0- (-0-)	-0- (-0-)	-0- (-0-)	-0- (-0-)	-0- (-0-)
		CPVC	150 (1.03)	140 (.97)	130 (.90)	120 (.83)	110 (.76)	100 (.70)	90 (.62)	80 (.55)	70 (.48)	60 (.41)	50 (.34)	-0- (-0-)