

SECTION 01005

**APPROVED PRODUCTS LISTING - WATER AND SANITARY SEWER SYSTEMS
CITY OF IRVING, TEXAS**

• **BOLTS, COR-TEN**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
	AWWA C111	1. NSS	None

• **BOLTS, DUCTILE**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
	AWWA C111	1. Ductile Durabolt 2. Ductile Flangeloc Durabolt	None

• **BUSHINGS, BRASS**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
1" x 3/4" to 2" x 2-1/2"	City Specifications	1. Merit 2. Lee	None

• **CHEMICALS**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
	City Specifications	1. Protrete concrete additives	None

• **CLAMPS, FULL CIRCLE REPAIR**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
4" to 12"	City Specifications	1. Ford 2. Smith-Blair 3. JCM 131 4. Muller	None
12" to 24"		5. Ford 6. Smith-Blair 7. Muller 8. JCM	

• **CLAMPS, EXTENDED RANGE REPAIR**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
4" to 14"	City Specifications (All clamps must be type 304 stainless steel)	1. Smith-Blair 2. Ford 3. Muller 4. JCM	None

• **CLAMPS, SPLIT CIRCLE REPAIR**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
1/2" to 3"	AWWA & City Specifications	1. Smith-Blair 2. Ford 3. JCM	None

• **COATINGS (CONCRETE EXTERIOR)**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
N/A	City Specifications	1. Thorocoat 2. Tenemecrete	None

• **COATINGS (STEEL EXTERIOR)**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
Water tank exterior	Water Tank AWWA D102 & City Specifications	1. Tenemec: Primer 37-77 Topcoat 23 series 2. Valspar: Primer 13 F28 Topcoat 12 series 3. Acro: Primer 1122 Topcoat 2214 4. Cook: Primer 391 N142 Topcoat 801 5. Kop-Coat: Primer 662 Topcoat 500	None

• **COATINGS (STEEL INTERIOR)**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
Water tank interior	Water Tank AWWA D102 & City Specifications	1. Tenemec Series 20: Primer 20-1255 Topcoat 20-2000 2. Valspar: Primer 78-D-7 Topcoat 78-W-3 3. Acro: Primer 4460	None

- Topcoat 4460
- 4. American Primer:
Primer 395
Topcoat 395
- 5. Cook:
Primer 920 W965
- 6. Kop-Coat 340 Primer
- 7. Kop-Coat Super Hi Grade

• **FIRE HYDRANT**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
5 1/4"	AWWA C502 & City Specifications	1. Mueller A423 Super Centurion 250 2. American Darling B-62B & B-84B 3. Clow Medallion 4. Waterous WB 67 "Pacer" 5. Kennedy Guardian	None (5a) Epoxy coating inside shoe.

NOTE: "IRVING" stencil required on all makes.

• **FIRE HYDRANT - METER**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
3"	City Specifications	1. Kent ABB 2. Neptune	None

• **FIRE HYDRANT - VALVE SEAT**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
		1. Polyvalve 2. Manufacture's Standard	None

• **FITTINGS, ANCHORED**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
4" to 12"	AWWA C153/ ANSI A21.53, AWWA C104/ ANSI A21.4	1. GRADELOK	None

• **FITTINGS, BRASS**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
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3/4" to 2"	AWWA C800 ASTM B-62 & City Specifications	1. Mueller 2. Ford 3. Cambridge Brass 4. A.Y. McDonald Mfg. Co. 5. Jones Brass	None 3. Full port 3/4" & 1" angle meter stops not approved. 4. Full port 3/4" & 1" angle meter stops not approved. 1 1/2" & 2" corporations not approved.
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• **FITTINGS, CAST IRON & DUCTILE IRON**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
3" to 24"	AWWA C110, C104, C111, C153 & City Specifications	1. Tyler/Union 2. U.S. 3. American 4. Griffin	All fittings shall be manufactured in the United States.

• **FITTINGS, POLYVINYL CHLORIDE**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
4" to 15"	SDR-35 PVC, ASTM D3034, D1869, F679	1. JM Eagle 2. Robintech 3. Certainteed 4. Clow 5. North Star 6. Vassallo 7. Multi-Fittings 8. Plastic Trends 9. Flo-Control, Atlas Flexs	None
18" and larger	ASTM D1784, D2412 & D3212	10. JM Eagle "Perma-Loc" 11. Certainteed 12. North Star	None

• **FITTINGS, THREADED BRASS (ELLS, NIPPLES, TEES, ETC.)**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
3/4" to 2"	City Specifications	1. Merit 2. Matco Norca 3. Lee	None
1-1/2" to 2"	City Specifications	1. New Haven 2. Midland 3. Cowtown	None

• **FLANGED ADAPTERS (FLANGED JOINT RESTRAINT)**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
4" to 24"	ASTM A536, ANSI/AWWA C115/A21.15	1. Megaflange (EBBA Iron)	External PE wrap

• **FLANGED COUPLING ADAPTERS**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
4" to 12"	ASTM A536-71, ASTM D2000, 3BA715, AWWA C111-64	1. Ford-Ringweij 2. Romac-FCA501 3. Smith Blair 912	None

• **FLEXIBLE COUPLING ADAPTERS**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
3" to 12"	City Specifications	1. Pipe Conx 2. Mission Rubber 3. Fernco 4. Dallas Specialty 5. NDS	None

• **FLEXIBLE EXPANSION JOINTS**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
4" to 36"	AWWA/ANSI C153/A21.53	1. Flex-Tend (EBBA Iron)	External PE wrap

• **MANHOLE INSERTS**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
	City Specifications	1. Parson Plastics 2. Knutson	None

• **MANHOLE REHAB MATERIAL**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
N/A	MS2A, MS2C	1. Strong Seal 2. QuadX	None

• **MANHOLE RINGS AND LIDS**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
30"		1. Bass & Hayes VRM-30 2. East Jordan Iron Works	City of Irving Logo on all lids

3. Tyler/Union

• **MANHOLES (FIBERGLASS)**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
4' dia & larger	ASTM D3753-81, C581, D2584, D696, & D1790	1. LMI 2. Le Blanc 3. Owens Corning 4. Associated Fiberglass Engineers	None

• **MANHOLES (PRECAST CONCRETE)**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
4' dia & larger	ASTM C-76 OR C-478 & City Specifications	1. Hanson 2. American Industrial Precast Products 3. Hydro Conduit 4. Concrete Products, Inc. 5. Del Zotto Products of Texas, Inc. 6. The Turner Company	None

• **METER BOX**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
5/8" to 1"	City Specifications	1. Brooks 36 Series Concrete Box	Concrete Cover with CI Flip for 36 Series Box with 1-7/8" hole modification for ERT, Old Castle Part #1500150
1 1/2" to 2"		2. Brooks 65 Series Concrete Box	Concrete Cover with CI Flip for 65 Series Box with 1-7/8" hole modification for ERT, Old Castle Part #1503210

• **METER LOOPS**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
3/4" to 1"	City Specifications	1. Ford 2. Mueller	None

• **METER RESETTERS**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
3/4" to 2"	City Specifications	1. Ford 2. Mueller	None
1 1/2" to 2"		3. MacDonald	

• **METER, WATER**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
3/4" to 2"	City Specifications	1. Badger 2. Hersey	All meters must be ITRON radio read compatible.
3" to 12"		3. Hersey MVR 4. Badger	All meters must be ITRON radio read compatible.

• **PIPE, SEWER**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
4" to 15"	SDR-26 PVC, ASTM D2241, Class 160 PVC	1. JM Eagle 2. CAN-TEX 3. Certainteed 4. Cresline 5. Diamond 6. Hunter 7. NAPCO 8. PipeLife Jet Stream	None
4" to 15"	SDR-35 PVC, ASTM D3034, & D1869	9. JM Eagle 10. Certainteed 11. Hunter 12. Diamond 13. Cresline 14. CAN-TEX 15. NAPCO 16. PipeLife Jet Stream	None
4" to 48"	AWWA C111, C115 & C151	17. ACIPCO	Ductile Iron Pipe only allowed with written approval. Polybond <i>Plus</i> interior lining.
18" to 48"	ASTM D1784, D2412, F679,	18. JM Eagle "Perma-Loc" 19. Certainteed 20. Diamond Plastics 21. PipeLife Jet Stream	None
12" to 96"	SN46, SN72, ASTM D3262, D4161 & D2412	22. Hobas Pipe USA, Inc.	None

• **PIPE, SEWER (LINER)**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
6" to 24"	ASTM F1216, ASTM F1504, F1947	1. Insituform 2. Miller Pipeline "Ex Fold And Form" pipe	None

• **PIPE SPACERS (ENCASED PIPELINES)**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
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4" and larger	City Specifications	<ol style="list-style-type: none"> 1. Recon Pipe Corp. raci 2. Cascade Waterworks Mfg.Co. Style CCS, all stainless steel 3. Advance Products & Systems Model SSI, stainless steel 4. Advance Products & Systems Model CI, Polyethylene 5. Pipeline Seal & Insulator, Inc. S8G-2, stainless steel 	<ol style="list-style-type: none"> 1. For PVC pipe only 4. For PVC pipe only
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• **PIPE, WATER**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
4" to 12"	AWWA C900 PVC Class 305 DR 14 Class 235 DR 18	<ol style="list-style-type: none"> 1. JM Eagle 2. NAPCO 3. Hunter 4. Certainteed 5. Vinyl Tech 6. Plastic Trends 7. Diamond Plastics 8. PipeLife Jet Stream 	None
4" to 12"	AWWA C909 PVC Class 150 Class 200	<ol style="list-style-type: none"> 9. JM Eagle 	None
14" to 24"	AWWA C905 PVC Class 235 DR 18	<ol style="list-style-type: none"> 10. JM Eagle 11. NAPCO 12. Hunter 13. Certainteed 14. Vinyl Tech 15. Plastic Trends 16. Diamond Plastics 	None
>12"	AWWA C303 RCCP (pretensioned)	<ol style="list-style-type: none"> 17. Hanson 	None
>4"	AWWA C151 DIP, C111 & C104 Class 150 to 350	<ol style="list-style-type: none"> 18. American 19. US Pipe 	DIP only allowed with written approval from City Engineer

• **PRESSURE TYPE VACUUM BREAKERS**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
1/2" to 2"	AWWA C510-89, AWWA C511-89	<ol style="list-style-type: none"> 1. Conbraco 4050302 to 4050802 	None

	2. Wilkins 720A	
	3. Febco 765	
3/4"	4. Rainbird 075	
3/4" to 1"	5. Toro PVB	
3/4" to 2"	6. Watts 800	
1"	7. Rainbird 100	
1 1/4"	8. Rainbird PVB	
1 1/2"	9. Rainbird PVB 150	
2"	10. Febco 775	(10) Air Inlet for use only with approved double check valve assembly.
	11. Rainbird PVB 200	
2 1/2" to 10"	12. Cla-Val Model 27	
3/4" and 1"	13. Febco 745	

• REDUCED PRESSURE PRINCIPLE ASSEMBLIES

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
1/4" to 2"	AWWA C510-89 AWWA C5110-89	1. Wilkins 975XL 2. Conbraco 40-204-02 40-208-02	None
3/4" to 3"		3. Watts 009	
3/4" and 1"		4. Conbraco 40-204-205-A2 (Replaceable Seats) 5. Conbraco 40-204-A2Z(U)	
3/4" to 1 1/2"		6. Cla-Val RP-2	
3/4" to 2"		7. Badger #1 8. Hersey Model FRP-2 9. Flomatic RPZ	
3/4" to 4"		10. Watts 909 11. Rainbird RPA-075 12. Orion BRP 13. Febco 825Y	
3/4" to 6"		14. Wilkins 575	
1" to 10"		15. Hersey 6C	(15) Must be equipped with OS & Y shutoff valves if used on a fire sprinkler system
1 1/2" to 10"		16. Febco 825	(16.) Must be equipped with OS & Y shutoff valves if used on a fire sprinkler system
2" to 10"		17. Cla-Val RP-1	(17.) Must be equipped with OS & Y shutoff valves if used on a fire sprinkler system
2 1/2" to 6"		18. Ames 4000SS 19. Febco 880V 20. Hersey 6CM-Bronze	(17.) Must be equipped with OS & Y shutoff valves if used on a fire sprinkler system

2 1/2" to 8"	21. Febco 880	
2 1/2" to 10"	22. Conbraco 40-20-A-C 23. Hersey 6CM 24. Wilkins 975XL	(22.) Must be equipped with OS & Y shutoff valve if used on a fire sprinkler system
3" to 10"	25. ITT Lawler RZ	
4"	26. Febco 860	
4" & 8"	27. Watts 990	
4" to 10"	28. Ames 4000RP 29. Mueller H9506	(28.) Must be equipped with OS & Y shutoff valve if used on a fire sprinkler system
6" to 10"	30. Rainbird RPA-075 31. Watts 909 32. Febco 825Y	(29.) Must be equipped with OS & Y shutoff valve if used on a fire sprinkler system
10"	33. Watts 992	

• **RESTRAINERS FOR CIP AND DIP**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
4" to 12"	ANSI B16.1, ASTM A536 ANSI 4140	1. UNIFLANGE Series 200 400, 420, (cast and D.I.P)	None
3" to 48"		2. EBBA Iron Series 1100	
4" to 24"		3. MJ Field Lok DI	

• **RESTRAINERS FOR PVC**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
3" to 24"	UNI-B-13, ASTM A536-80	1. Megalug (EBBA Iron), Series 2000PV, 2000PEC, 2000SV	None
4" to 12"		2. MJ Field Lok PV	
4" to 24"	ANSI B16.1, 4140	3. Uniflange 1500C	

• **RETAINER GLANDS**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
4" to 12"	City Specifications	1. Tyler/Union	None

• **SERVICE SADDLES ALL STAINLESS BAND TYPE**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
4" to 12"	City Specifications	1. Smith-Blair 2. JCM 103	None

• **SERVICE SADDLES, DOUBLE STRAP**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
6" > O.D. >3/4" tap size	AWWA C800 ASTM B-62 ASTM A-98 City Specifications	1. Smith-Blair 2. Romac 3. Ford 4. JCM 406 5. Muller DR2S	Nylon coating with stainless straps or all bronze, on all makes.

• **SERVICE SADDLES, SINGLE STRAP**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
2" to 4" O.D. 1" tap	AWWA C800 ASTM B-62 ASTM A-98 City Specifications	1. Smith-Blair 2. Ford 3. James Jones J-996 4. JCM 405	None Includes sizes 2" to 12"

• **SEWER DEGREASER**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
N/A	City Specifications	1. Citrosolv - Oxford Chemical Co. 2. Explode - Viking Labs, Inc. 3. Grease-B-Gone - State Chemical Mfg. Co. 4. Citra Solve W – K&L Supply 5. Citro-Solv. – V&D Supply 6. Formula P-88 – Selig 7. Citra Solve – K&L Supply	None

• **SEWER DEODORANT**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
N/A	City Specifications	1. Citrusan 2. Zep-O-Ban 3. Cherry Memories – K&L Supply 4. Dubois Lake Charge – Dubois 5. Selg-Lemon Breez – Selig 6. Sewer Sweet – Allen's Specialty Shop 7. HB – 140 Banish Cherry – H&B Industries	None

• **SEWER DIGESTER**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
N/A	City Specifications	<ol style="list-style-type: none"> 1. Sanfax 222 2. Red Hot – K&L Supply 3. Seer Blaster – Allen's Specialty Shop 4. Sewer Cleaner – V&D Supply 5. Rout-R-Out – Last Group Ent. 	None

• **SEWER ROOT CONTROL CHEMICALS**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
N/A	City Specifications	<ol style="list-style-type: none"> 1. Root X 	None

• **SLEEVES, TAPPING**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
4" to 12"	AWWA C110 & City Specifications	<ol style="list-style-type: none"> 1. Mueller all stainless 2. Romac-SST all stainless 3. Ford-Fast all stainless 4. JCM 432 all stainless 5. Smith-Blair all stainless 6. Tyler/Union 	None
> 12"		<ol style="list-style-type: none"> 7. Requires special approval 	Tapping sleeves & valves larger than 12" require special approval on a case by case basis.

• **VALVE, GATE RESILIENT SEAT**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
4" to 12"	AWWA C509 C550 & City Specifications	<ol style="list-style-type: none"> 1. Mueller A-2360 2. Clow 6100 3. Waterous AFC Series 500 4. Kenedy Ken-seal II 5. M & H 6. U.S. Pipe Metroseal 7. Stockham Resilient Wedge 6-700,701 702,703,704-OZ 	<p>None</p> <p>(7.) OZ All models shown – Stem changed to high strength.</p>

• **VALVES, AIR RELEASE**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
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1" to 16"	AWWA C512 & Project Specs.	1. APCO 2. Crispin 3. Val-Matic	Per Project Specifications
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• **VALVES, BRASS WHEEL OPERATED GATE**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
1-1/2" to 2"	City Specifications	1. Matco Norca 2. Watts	None

• **VALVES, BUTTERFLY**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
12" to 48"	AWWA C504, C550 & City Specifications	1. Mueller 2. M & H 3. Kennedy 4. Pratt-Groundhog	Internal epoxy coating (extra cost on all makes.)

• **VALVES, CHECK & DETECTOR CHECK**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
4" to 12"	AWWA & City Specifications	1. Mueller 2. American Darling 3. Kennedy 4. Hersey 5. Ames	None (5a) Steel check valves must be epoxy coated.

• **VALVES, CHECK BRASS**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
3/4" to 2"	ASTM CDA	1. NIBCO	None

• **VALVES, CONTROL**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
4" to 30"	Project Specifications	1. Ross 2. CLA-VAL 3. Golden-Anderson 4. APCO 5. Muesco 6. Singer	Per Project Specifications

• **VALVES, DOUBLE CHECK VALVE ASSEMBLIES**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
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1/2" to 2 1/2"	AWWA C510-89, AWWA C511-89	1. Conbraco 4010302 to 4010802	
3/4"		2. ITT Lawler DC-3	
3/4" to 1"		3. Watts 007MIQT 4. Febco 805YR	
3/4" to 1 1/2"		5. CLA-VAL D2	
3/4" to 2"		6. Rain Bird DCA-075 to 200 7. Flomatic DCV 8. Conbraco 40-104-A2T to 40-108-A2T 9. Wilkins 550 & 950XL 10. Hersey FDC	
3/4" to 3"		11. Watts 007	
3/4" to 4"		12. Orion BDC	
3/4" to 10"		13. Febco 805 & 805Y 14. Watts 709 15. Wilkins 950	13.) 805 Must be equipped with OS&Y shut off valves if used on a fire sprinkler system. 14.) Must be equipped with OS&Y shut off valves if used on a fire sprinkler system.
1" to 10"		16. Cla-Val D	16.) Must be equipped with OS&Y shut-off valves if used on a fire sprinkler system.
1 1/4" to 2"		17. Buckner 24102 to 24104	
2" to 6"		18. Hersey F-72	
2" to 10" 2 1/2" to 6"		19. Hersey #1 20. Ames 2000-SS-DCA	20.) Must be equipped with OS&Y shut-off valves if used on a fire sprinkler system.
2 1/2" to 10"		21. Febco 805YD	
3" to 6"		22. Wilkins 550	22.) Must be equipped with OS&Y shut-off valves if used on a fire sprinkler system.
3" to 8"		23. Rain Bird DCA-250-800	
3" to 10"		24. Conbraco 40-100-10A-C 25. Hersey #2	24.) Must be equipped with OS&Y shut-off valves if used on a fire sprinkler system.
4" & 10"		26. Watts 772	
4" to 6"		27. Febco 850, 870 28. Hersey E-1	
4" to 8"		29. Kennedy B-1	
4" to 10"		30. Ames 2000-DCA 31. Viking A-1 32. Kennedy B-2	30.) Must be equipped with OS&Y shut off valves if used on a fire sprinkler system.

	33. Mueller H9505	33.) Must be equipped with OS&Y shut off valves if used on a fire sprinkler system.
4", 8" & 10"	34. Watts 770	
6" & 8"	35. Ames 2000-SE-DCA	35.) Must be equipped with OS&Y shut off valves if used on a fire sprinkler system.

• **VALVES, DOUBLE CHECK VALVE ASSEMBLIES**

SIZE	REFERENCE SPECS	MAKES APPROVED	MODIFICATIONS REQUIRED
2 1/2" to 6"	AWWA C510-89, AWWA C511-89	1. Ames 3000-SS-DCDA	
2 1/2" to 10"		2. Wilkins 950DA	
3"		3. Watts 007DCDA	
3" to 10"		4. Watts 709DCDA 5. Hersey DDC-II 6. Febco 806, 806YD	
4"		7. Conbraco 40-60A-03	
4" to 6"		8. Febco 856	
4" & 8"		9. Watts 770DCDA	
4" to 8"		10. Febco 876	
4" & 10"		11. Watts 772DCDA	
4" to 10"		12. Cla-Val Model 16 13. Ames 3000-DCDA	
6"		14. Conbraco 40-60C-03	
8"		15. Ames 3000-SS-DC (SE) 16. Conbraco 40-60E-03	
10"		17. Conbraco 40-60G-03	

END OF SECTION