



Water and Sewer Department
Standard Maintenance Guideline
Preferred Manufacturers, New Equipment
Purchases

Version No.	5
Date Created	03/08/2018
Date Revised	02/13/2024
Approved by	AMC/MRT/SP
Control No.	AM-SMG-702
Section	AM

702 Preferred Manufacturers, New Equipment Purchases

702.1 Types of Equipment and Preferred Manufacturers

702.1.1 Scope

The following list of preferred manufacturers is to be incorporated into specifications for purchase of new equipment by a Contractor or an Engineering Consultant or the City of Tulsa. If there should be any conflict between this Guideline and the City of Tulsa Purchasing Ordinance #6-4 or its Revisions, the Ordinance #6-4 or its Revisions shall take precedence. This Guideline includes a list of manufacturers that is not comprehensive, and it is not required that manufacturers be chosen specifically from this list. The manufacturers listed in this Guideline are preferred due to past performance, ability, parts availability, matching of site equipment, support, total cost of ownership, etc. Full and open competition is to be encouraged on all purchases and sales.

In order to reduce any possible conflicts, and to eliminate any omissions of manufacturers during the bid request / review stages, the City of Tulsa Engineering Department and/or the Using Department shall provide all technical specs, Standard Maintenance Guidelines, a listing of any suggested potential bidders, and any supporting documents to the Contractor or Engineering Consultant or the City of Tulsa Purchaser before a purchase requisition is submitted by any of these parties. Manufacturers (or their rep’s or their distributors, etc.) are invited to bid, whether they are or are not currently on this list. Therefore, all parties shall agree on the specific manufacturers selected for the new equipment before award.

702.1.2 Pumps – Horizontal

1. Manufacturers preferred are Flowserve (including Ingersoll-Dresser), RuhrPumpen, Flygt, AC-Flygt, Fairbanks-Morse, Vaughan, Yeomans/Grundfos, Peerless, Patterson.

702.1.3 Pumps – Vertical

1. Manufacturers preferred are Flowserve (including Ingersoll-Dresser), RuhrPumpen, Flygt, AC-Flygt, Fairbanks-Morse, Vaughan, Yeomans/Grundfos, Peerless, Patterson.

702.1.4 Pumps – Submersible

1. Manufacturers preferred are Vaughan, Flygt, Fairbanks-Morse, Hayward Gordon, Yeomans/Grundfos.

702.1.5

1. Sump pumps; Manufacturers preferred are: Barnes, Goulds, Dayton, Zoeller, Little Giant, Homa.
2. Grinder pumps; Manufacturers preferred are: Environment One Model 2010-74.



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3. Chopper pumps; Manufacturers preferred are: Vaughan, (or equal).
4. Progressive Cavity pumps; Manufacturers preferred are: Seepex, Moyno.
5. Peristaltic pumps; Manufacturers preferred are: Watson / Marlow.
6. Metering pumps; Manufacturers preferred are: Wallace and Tiernan, Watson-Marlow, Milton Roy.

702.1.6 Mixers

1. Manufacturers preferred are: Mixtec, Flyght, Philadelphia, Jensen, Plenty

702.1.7 Mechanical Seals

1. Manufacturers preferred are AES, Chesterton, Flowserve, John Crane.

702.1.8 Motors – Low and Medium Voltage

1. Manufacturers preferred are US, Baldor, GE, Siemens.

702.1.9 Gear Boxes

1. Manufacturers preferred are Dodge and Lufkin.

702.1.10 Blowers, Fans

1. Manufacturers preferred are New York Blowers, Continental Blowers and Fans.

702.1.11 Valves – Air Relief, Ball, Butterfly, Check, Plug, Gate

1. Air relief, ball, butterfly, check (refer to para. 702.1.11.3 below), gate valves; Manufacturers preferred are: per City of Tulsa “Division II Material Specifications Approved Fittings Manufacturers.” Web site path: City of Tulsa (external web site) / Development – Business / Engineering Services / Government Departments – Engineering Services / Specifications, Checklists, and Details.
2. Plug valves are not included in Div. II spec referenced in no. 1 above; Manufacturers preferred are per City of Tulsa Div. II spec manufacturers of gate valves, (or equal).
3. Check Valves, in addition to Div. II spec referenced in no. 1 above Section 702.1.10; Manufacturers preferred are: due for ease of maintenance is AVK, (or equal), unless the City of Tulsa Engineering states otherwise per application.

702.1.12 Electrical Cable, Fiber Optic Cable

1. For electrical cable, Manufacturers preferred are: Beldon, Southwire.
2. For fiber optic cable, Manufacturers preferred are: (no criteria presented).

702.1.13 Variable Frequency Drives

1. Manufacturers preferred are:
 - A. Raw Water prefers Rockwell Allen-Bradley, ABB.
 - B. ABJ WTP prefers Rockwell Allen-Bradley, ABB.
 - C. Mohawk WTP prefers Rockwell Allen-Bradley, ABB.



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- D. Water Operations prefers Dan Foss (less than or equal to 300 HP).
- E. NS WWTP prefers Schneider Electric (Square D), Rockwell Allen-Bradley, Eaton.
- F. LBC WWTP prefers Schneider Electric (Square D), Rockwell Allen-Bradley, Eaton.
- G. SS WWTP prefers Rockwell Allen-Bradley, Schneider Electric (Square D).
- H. HC WWTP prefers Rockwell Allen-Bradley, Schneider Electric (Square D).

702.1.14 Low Voltage Switchgear and MCC'S

- 1. Manufacturers preferred are Schneider Electric (Square D), GE, Eaton, Siemens

702.1.15 Low Voltage Circuit Breakers

- 1. Manufacturers preferred are: Schneider Electric (Square D), GE, Eaton, Siemens.

702.1.16 Motor Starters

- 1. Manufacturers preferred are: Schneider Electric (Square D), GE, Eaton, Siemens

702.1.17 Lighting

- 1. Manufacturers preferred are: Cooper, Dialight

702.1.18 Control Systems

- 1. Manufacturers preferred are Rockwell Allen-Bradley, Control Logix, Siemens, Control Systems Inc. (CTI)

702.1.19 Programmable Logic Controllers

- 1. Rockwell Allen-Bradley 8th or 9th generation hardware to include MicroLogix, CompactLogix, and ControlLogix PLC's and associated equipment. Provide full licenses for the version of Studio5000 used in the programming of the system.
- 2. For radio-based systems, use the 800 MHz Motorola ACE3600 RTU and associated equipment.

702.1.20 Control Panel Instruments

- 1. Manufacturers preferred are: Rockwell Allen-Bradley, APC by Schneider Electric (Square D).

702.1.21 Level Measurement Instruments

- 1. Ultrasonic, radar, pressure instruments, Manufacturers preferred are: Endress+Hauser, Siemens, Vega.

702.1.22 Flow Measurement Instruments

- 1. Ultrasonic instruments: Manufacturers preferred are Siemens.
- 2. Magnetic instruments: Manufacturers preferred are Krone.
- 3. Vega



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702.1.23 Pressure / Vacuum Measurement Instruments

1. Pressure or vacuum gauges; Manufacturers preferred are Ashcroft.
2. Differential pressure gauges: Manufacturers preferred are Siemens.
3. Vega

702.1.24 Uninterruptable Power Supplies (UPS)

1. Manufacturers preferred are APC by Schneider Electric (Square D).

702.1.25 Analytical Meters (PH, Dissolved Oxygen, etc.)

1. Manufacturers preferred are: Hach, Fisher Scientific.

702.1.26 Gas Detectors, Wall-Mount

1. Manufacturers preferred are: Scott Safety, Capitol Controls, Siemens, MSA, Honeywell, Drager.

702.1.27 Actuators

1. Manufacturers preferred are: Limitorque, Rotork.