



**CITY OF AUSTIN  
STANDARD PRODUCTS LIST  
for  
PRESSURE REDUCING VALVES**

**USING DEPARTMENT:** Water Utility    **ISSUED:** 12/24/80    **REVIEWED:** 10/01/12    **REVISED:** 10/01/12

**PREPARED BY:** Bill Teltow    **CITY STOCK NUMBER:**

**DESCRIPTION:** Pressure Reducing Valves for waterworks service. Effective January 1, 2013, valves purchased for City forces shall be “lead free” and marked by stamping, etching, or casting “NL” in the main body or by other methods acceptable to City. Effective January 4, 2014, all valves must be “lead free.”

<b>LISTING DATE</b>	<b>MANUFACTURER</b>	<b>PRODUCT IDENTIFICATION/COMMENT</b>	<b>APPROVAL</b>
04/01/98	CLA - VAL P.O. Box 1325 Newport Beach, CA 92659	90G - 01ABCS See notes below	W. Flynn
04/01/98	WATTS ACV P.O. Box 752289 Houston, TX 77275-2289	No. 115 Series See notes below	W. Flynn
07/01/01	BERMAD 4070 Leaverton Ct. Anaheim, CA 92807	Model No. 720 Part No. 720-I-V-PG-PG-CV-X See notes below	W. Flynn
07/01/03	SINGER VALVE INC. C/O Valve & Equipment Consultants, Inc. P.O. Box 1249 Huffman, TX 77336	Model 106 - PR See notes below	R. Lamb

- NOTE:**
- Valves shall be designed to automatically reduce a higher inlet pressure to a lower, adjustable maximum outlet pressure regardless of fluctuations in demand.
  - Automatic control valves shall be fluid-actuated, having a single moving assembly. A flexible, nylon fabric reinforced synthetic elastomer diaphragm shall be integral with this assembly to form a sealed chamber, operating free of drag or wear. The diaphragm shall not be used as a seating surface. This assembly shall have a stem that is fully guided by separate upper and lower bearings to preclude binding or deflection. When the valve is closed, sealing at the seat shall be by contact between one edge of a securely retained elastomer rectangular seal and a smooth seat surface. The seat shall be removable and not have edges that will induce seal cutting or wear at low flows. Progressive throttling of flow shall be accomplished by a characterized profile seal retaining washer. All internal valve components shall be removable and repairable while the valve body remains in line. The main valve shall be equipped with a position indicator with an air bleed for priming the main valve and for checking the main valve diaphragm for leakage. The main valve body shall be equipped with inlet and outlet gauges having stainless steel exterior casing and internal trim. Gauges shall have a 2 1/2-inch diameter face, shall be glycerin-filled, and shall have a range of 0 - 300 psi on high side with 5 percent accuracy over spectrum, and 0 - 160 psi on low side in 2 psi increments with 3 percent accuracy over spectrum. Valve internal trim (seat and seal retainer plate) shall be stainless steel, and all valve elastomers shall be FDA approved. An FDA and NSF-61 approved epoxy coating shall be heat-fusion bonded to all internal and external ferrous valve surfaces. The pilot system shall include a fixed orifice opening speed flow control with copper tubing and brass fittings. On 3" and smaller valves, add opening speed flow control. The reducing pilot shall be stainless steel or bronze with an adjustment range suitable for the pressure conditions at the installation location. Isolation ball valves with stainless steel ball and handle for the pilot system shall be furnished on all sizes and include a y-strainer with blow-down ball valve.