

SEPTEMBER 25, 2013
GEORGIA BIOSCIENCE TRAINING CENTER - 20120254
TCSG PROJECT NO. TCSG-300

SECTION 013300 - 9
SUBMITTAL PROCEDURES

STATEMENT OF MANUFACTURER'S REVIEW

PROJECT: Georgia Bioscience Training Center
LOCATION: Social Circle, Georgia

Owner: Technical College System of Georgia
and Georgia State Financing and
Investment Commission
270 Washington Street
Atlanta, Georgia 30334-1450

Design Professional: COOPER CARRY
191 Peachtree Street, NE
Suite 2400
Atlanta, Georgia 30303-1770

SUBJECT: Plumbing Piping Specialties

SPECIFICATION REFERENCES: 221006

STATEMENT: The Undersigned hereby state that the Contract Documents, the shop drawings, and the product data have been reviewed with qualified representative(s) of the materials manufacturers and all of the parties are in agreement that the selected materials and systems are proper and adequate for the applications shown, especially with respect to compatibility with adjacent systems and materials.

EXCEPTIONS: (Agreed upon with the Owner and the Design Professional prior to installation.)

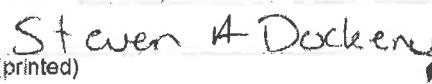
CONTRACTOR: Gainesville Mechanical

By:


(signed)

Date: January 17, 2014

(printed)



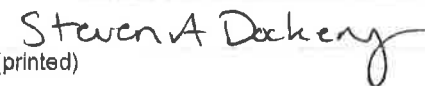
INSTALLER: Gainesville Mechanical

By:


(signed)

Date: January 17, 2014

(printed)



OTHER:

By:

(signed)

Date:

(printed)

END OF FORM

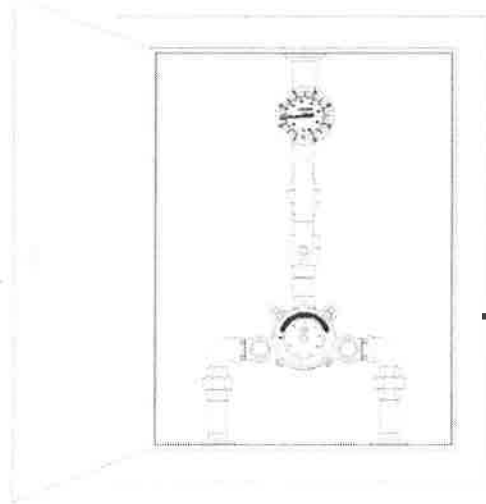
Thermostatic MIXING VALVES

Cabinet Assemblies

ASSE 1017 CERTIFIED 

*ECO-MIX*TM

TM-186-26 -LF- STSTL-EXP



TM-186

Valve assembly is certified to meet Low-Lead requirements of wetted surface area containing less than 0.25% lead by weight. All other fittings and components, the sum total of which comprise the wetted surface of this product contains less than one quarter of one percent of lead by weight.

CAUTION! All thermostatic water mixing valves have limitations. They will NOT provide the desired accuracy outside of their flow capacity range. Consult the Flow Capacity Chart and DO NOT OVERSIZE. Minimum flow must be no less than as indicated.

*NOTE: A limit stop, set for 120°F (49°C), is simply a mechanical setting to prevent excessive handle rotation. If incoming water is hotter than 150°F (65.5°C), the temperature of the factory test, the valve when turned to full HOT may deliver water in excess of 120°F and the limit stop MUST BE RESET BY THE INSTALLER

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Printed in USA

TM-186-20-LF 3/4" inlets and outlet
 TM-186-26-LF 3/4" inlets and outlet

- • Thermostatic water mixing valve
- • Dura-trol® solid bimetal thermostat directly linked to valve porting to control the intake of hot and cold water and compensate for supply temperature or pressure fluctuations. Dura-trol® is highly responsive and cannot be damaged by extremes in temperature.
- • Adjustable high temperature limit stop set for 120° F (49° C)
- • Combination checkstops, unions on inlets, wall support
- • Tempered outlet ball valve
- • Color coded dial thermometer (0 to 140°F, -10° to 60°C)
- Recessed cabinet, with door, left hand hinge and flange, cylinder lock
- Bottom inlets, top outlet
- Factory assembled and tested
- Rough bronze finish
- Select cabinet below

OPTIONS:

- ___ SUFFIX BWE REC - Steel cabinet, baked white enamel, recessed
- SUFFIX STSTL REC - Stainless steel cabinet, #4 finish, recessed
- SUFFIX EXP - Exposed cabinet
- ___ SUFFIX RHH - Right hand hinge
- ___ TOP - Top inlets
- ___ SUFFIX SEMI - Semi-recessed cabinet, 4" (102mm) wall depth
- ___ VP - View port

Note: Leonard Valve Company reserves the right of product, or design modifications without notice or obligation.



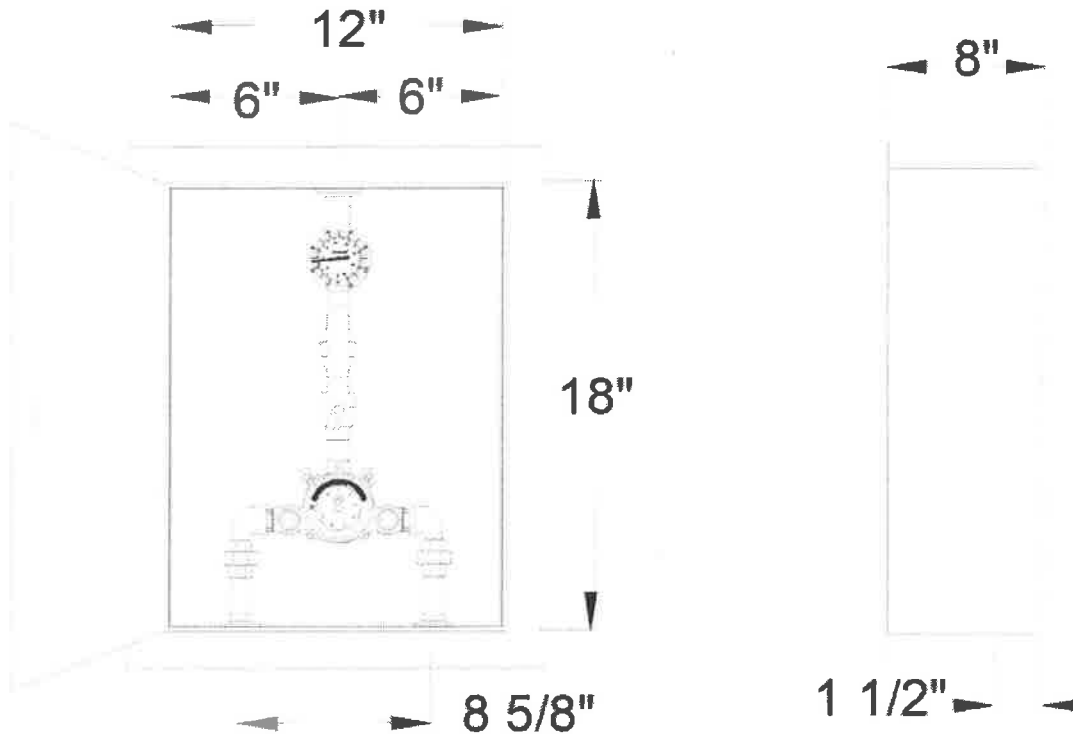
1360 Elmwood Avenue, Cranston, RI 02910 USA

Phone: 401.461.1200 Fax: 401.941.5310

Email: www@leonardvalve.com

Web Site: <http://www.leonardvalve.com>

221006 2.10 PLUMBING SPECIALTIES THERM MIX VLVS



MODEL	IN	OUT	MINIMUM FLOW (GPM) (l/min)	SYSTEM PRESSURE DROP (PSIG)										PSI BAR
				5	10	15	20	25	30	35	40	45	50	
TM-186-20	3/4"	3/4"	1.0	5	7.3	9	11	13	14	15	16	17	18	GPM l/min
			3.7	19	28	34	42	49	53	57	60	64	68	
TM-186-26	3/4"	3/4"	1.0	7	10	13	15	17	19	21	23	25	26	GPM l/min
			3.7	26	38	49	57	64	72	80	87	95	98	



Job # _____ Arch/Eng. _____ Contractor _____
Engineer's Approval

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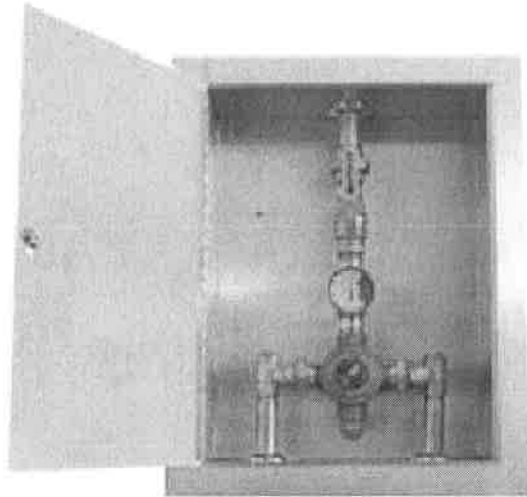
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Thermostatic MIXING VALVES

Cabinet Assemblies

XL-186-LF — *ECO-MIX*™

- XL-186-32-LF ¾" inlets and outlet
- XL-186-82-LF 1" inlets and ¼" outlet
- XL-186-150-LF 1¼" inlets and ½" outlet



XL-186-LF

- Thermostatic water mixing valve
- Copper encapsulated thermostatic assembly with Teflon coated shuttle
- • Combination checkstops, unions on inlets, wall support
- • Locking temperature regulating handle
- • Tempered outlet ball valves
- Color coded dial thermometer (0 to 140°F, -10° to 60°C)
- Temperature adjustment range, 90-140°F (32-60°C) ** XL-32/82 valves
- Temperature adjustment range, 95-135°F (35-57°C) ** XL-150
- Recessed cabinet, with door, left hand hinge and flange, cylinder lock
- Bottom inlets, top outlet
- Factory assembled and tested
- Select valve piping finish and cabinet below
- See Flow Capacity Chart to select correct size

Valves are ASSE 1017 listed.



OPTIONS:

- SUFFIX RF - Rough bronze finish
- SUFFIX CP - Chrome plated finish
- SUFFIX BWE REC - Steel cabinet, baked white enamel, recessed
- SUFFIX STSL REC - Stainless steel cabinet, #4 finish, recessed
- SUFFIX EXP - Exposed cabinet
- SUFFIX RHH - Right hand hinge
- TOP - Top inlets
- VP - View port

ASSE 1017 Listed



Note: Leonard Valve Company reserves the right of product, or design modifications without notice or obligation.

****NOTE:** For temperatures outside of this valve's stated range, please see our line of bi-metal valves.

+NOTE: The valve will maintain temperature with 0.5GPM flow from the domestic hot water loop when properly installed near the hot water source with a continuously operating recirculation pump.

CAUTION! All thermostatic water mixing valves have limitations. They will NOT provide the desired accuracy outside of their flow capacity range. Consult the Flow Capacity Chart and DO NOT OVERSIZE. Minimum flow must be no less than as indicated.

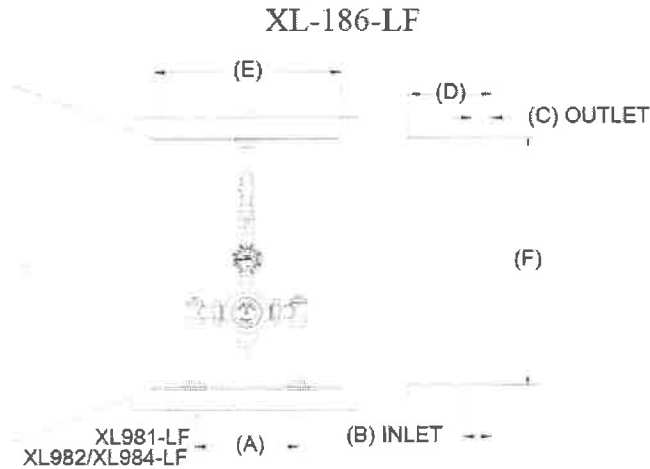
Valve assembly is certified to meet Low-Lead requirements of wetted surface area containing less than 0.25% lead by weight. All other fittings and components, the sum total of which comprise the wetted surface of this product contains less than one quarter of one percent of lead by weight.



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221006 2.10 PLUMBING SPECIALTIES THERM MIX VLVS



MODEL	DIMENSIONS					
	A	B	C	D	E	F
→ XL-186-32-LF	10" (254mm)	2 3/4" (70mm)	2" (51mm)	8" (203mm)	18" (457mm)	24" (610mm)
XL-186-82-LF	12" (305mm)	4" (102mm)	2 1/2" (64mm)	8" (203mm)	18" (457mm)	24" (610mm)
XL-186-150-LF	14 1/2" (368mm)	3 3/4" (95mm)	2 3/4" (70mm)	9" (229mm)	24" (610mm)	26" (660mm)

MODEL	IN	OUT	MINIMUM FLOW (GPM) (l/min)	SYSTEM PRESSURE DROP (PSIG)									
				5	10	15	20	25	30	35	40	45	PSI
XL-186-32-LF	3/4"	3/4"	1	.3	.7	.97	1.4	1.7	2.1	2.4	2.8	3.1	BAR
			3.8	42	61	76	83	91	98	106	114	121	GPM l/min
XL-186-82-LF	1"	1 1/4"	1	.3	.7	.97	1.4	1.7	2.1	2.4	2.8	3.1	BAR
			3.8	42	61	76	83	91	98	106	114	121	GPM l/min
XL-186-150-LF	1 1/4"	1 1/2"	3	.3	.7	.97	1.4	1.7	2.1	2.4	2.8	3.1	BAR
			11.4	44	61	74	86	95	103	110	117	124	GPM l/min

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