

SPECIFICATION (example)

- Deck mount electronic hand soap dispenser
- Sensor detects user's hand to automatically dispense soap
- 4 'D' Cell Batteries (included)
- Spacer (included) if sink rim is 3/4" high or greater
- 800 ml Lotion Hand Soap with Moisturizer (included)
- LED light blinks when refill is low
- LED light blinks when battery is low

❑ DESD-250

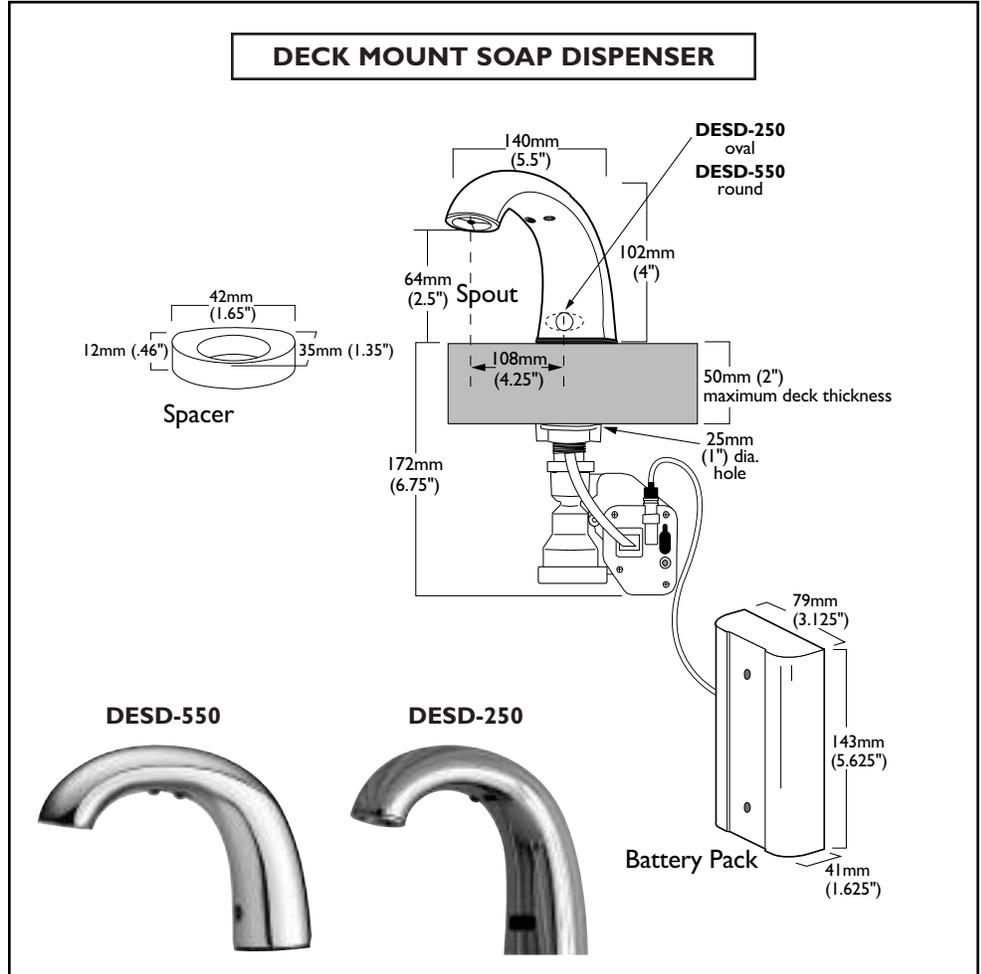
- Chrome spout

❑ DESD-550

- Chrome **CAST** spout

❑ 060918A

- Soap Dispenser Plug-in transformer



SPECIFICATION (example)

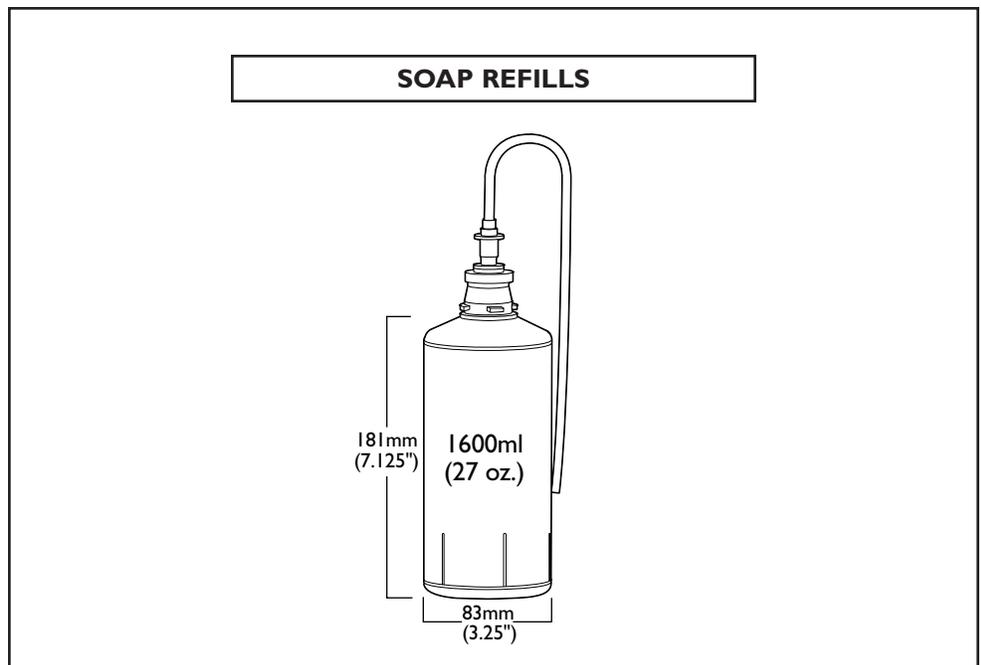
- Soap refill
- 1600 ml
- 4/carton

❑ 060916A

- Antibacterial Hand Soap

❑ 060917A

- Lotion Hand Soap with Moisturizers



Note: Measurements may vary \pm 6mm (0.25")

Refer to Spec Select for individual models.

Note: Use this page as a product submittal sheet.

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Electronic Faucet 590T0 & 590T1 Series

TECK®

DELTA
COMMERCIAL

Specification: (example)

- **Battery** (4 'C' cell) or **Hardwire** (24 VAC) infrared electronic handwash system
- H₂OPTICS™ technology – no external adjustments required
- Chrome plated one piece **CAST** Hi-Rise spout with integral sensor
- Adjustable sensing range and timeout
- Audible low battery indicator
- Forged brass solenoid valve (control box No. 0 only)
- Tempered water supplied to solenoid valve, (except control box options No. 0 and 1)

and... with... (specify battery or hardwire)
 with... (add spout required)
 with... (add outlet required)
 with... (add control box required)
 with... (transformer - specify separately - See Back Page)

Sunergy®

H₂OPTICS™



590T0120

Engineer/Architect Approval

Model Specified:

Approval:

Date:

DESCRIPTION	PRODUCT NO.			
Hardwire	590T0			
Battery Operated	590T1			



SPOUT & SENSOR		OUTLET		CONTROL BOX	
0	<input type="checkbox"/>	0	<input type="checkbox"/>	0	Base Model with Surface Mount Housing* SEE Specification Drawing #13 <input type="checkbox"/>
1 Single Hole Deckmount Hi-Rise Spout with Integral Sensor	<input type="checkbox"/>	1	<input type="checkbox"/>	1	For RECESSED MOUNTING Components ASSEMBLED in 10" Box w/S/S Cover.* SEE Specification Drawing #14 <input type="checkbox"/>
2 Deckmount Hi-Rise Spout with Integral Sensor and 4" Forged Coverplate	<input type="checkbox"/>	2	Vandal Resistant 1.5 USGPM (5.7 L/min.) Laminar w/Antimicrobial By AgION™ <input type="checkbox"/>	2	<input type="checkbox"/>
3	<input type="checkbox"/>	3	Vandal Resistant 1.5 USGPM (5.7 L/min.) Flow Control Aerator <input type="checkbox"/>	3	<input type="checkbox"/>
4	<input type="checkbox"/>	4	<input type="checkbox"/>	4	<input type="checkbox"/>
5	<input type="checkbox"/>	5	Vandal Resistant 0.5 USGPM (1.9 L/min.) Flow Control Non-Aerating Spray Outlet <input type="checkbox"/>	5	<input type="checkbox"/>
6	<input type="checkbox"/>	6	Vandal Resistant 1.0 USGPM (3.8 L/min.) Flow Control Non-Aerating Spray Outlet <input type="checkbox"/>	6	For RECESSED MOUNTING Components & Mechanical Mixing Valve (1) ASSEMBLED in 10" Box w/S/S Cover. SEE Specification Drawing #15 <input type="checkbox"/>
7	<input type="checkbox"/>	7	<input type="checkbox"/>	7	<input type="checkbox"/>
8 Deckmount Hi-Rise Spout with Integral Sensor and 8" Forged Coverplate	<input type="checkbox"/>	8	<input type="checkbox"/>	8	For RECESSED MOUNTING Components & Thermostatic Mixing Valve ASSEMBLED in 10" Box w/S/S Cover. SEE Specification Drawing #16 <input type="checkbox"/>
9	<input type="checkbox"/>	9	<input type="checkbox"/>	9	<input type="checkbox"/>

* **Mixing Valve** supplied by others.

(1) With Thermostatic Limit Stop.

Refer to www.specselect.com for individual models.

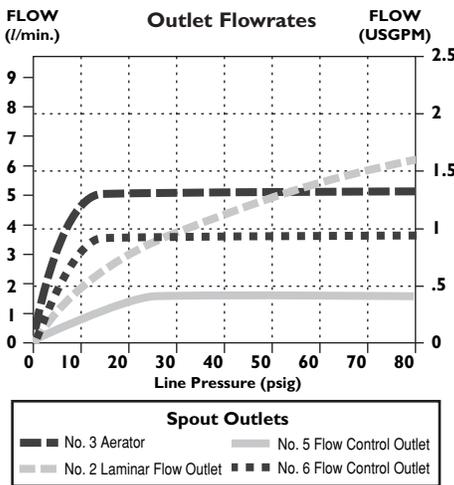
Note: Use this page front and back, with specification drawing page referenced above, as product submittal sheets.

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.specselect.com for finish options and product availability.

Flowrates are at 60 PSI.

Approvals:

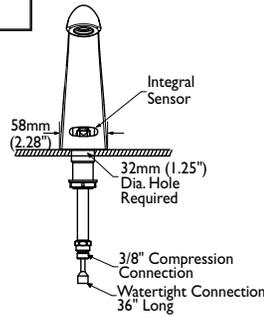
- CSA certified
 - Complies to ASME A112.18.1
 - ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. handle operating force.
 - IAPMO listed
 - Control Box Option 6 Mechanical Mixing Valve CSA certified
 - Control Box Option 8 Thermostatic Mixing Valve CSA certified and meets ASSE 1016
- (Contact Delta Representative for State and/or Local Approvals.)
U.S. Patent #6, 826, 455.

FLOWRATE vs PRESSURE

OPERATION:

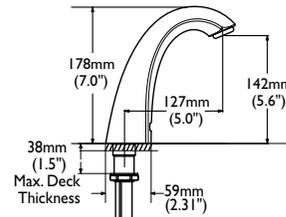
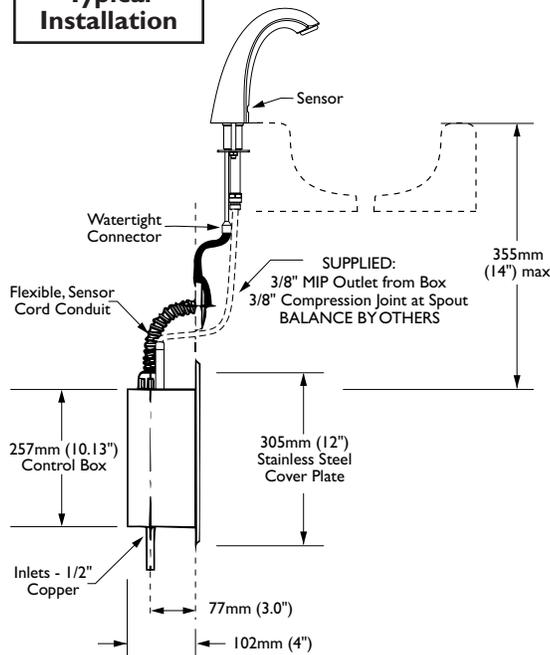
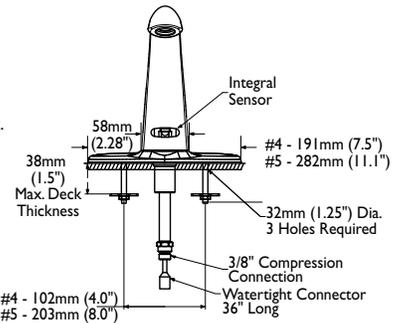
- Hands free (touchless) operation.
- Water flows when sensor is activated.
- Water flow stops upon de-activation of sensor.
- Auto shut-off feature that is selectable between 15 to 75 seconds. Factory set to 45 seconds. Will reset once obstruction is removed.
- Adjustable sensing distance 76 to 381mm (3" to 15") factory set to 229mm (9") (+/- 1.0")
- Low battery audible beep (for battery models only) will activate after faucet shuts off when approximately 1500 cycles remain.

NOTE: For optimum performance of this product, we recommend a system pressure between 20 and 80 PSI static. This product will operate up to a maximum of 125 PSI static per ANSI and CSA requirements. However, we do not recommend pressures above 80 PSI. Thermal expansion or leaking pressure reducing valves may require use of expansion tanks or relief valves to ensure your system never exceeds its maximum intended pressure setting.

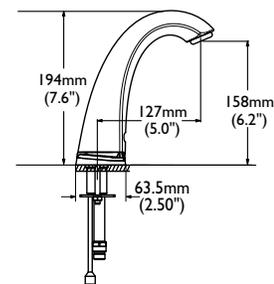
Note: Measurements may vary ± 6mm (0.25")

SPOUT #1


with Outlet #2, 3, 5, 6


**590T0121
Typical
Installation**

**SPOUT
#2 & #8**


with Outlet #2, 3, 5, 6



OUTLET NO.	"D"	
	mm	in.
2	11	0.45
3	11	0.45
5	11	0.45
6	11	0.45

590T0 & 590T1 ELECTRONIC FAUCET OPTIONAL ACCESSORIES:

✓ TRANSFORMERS:	
060704A	110 to 24VAC Class II 20VA (Up to 5 Electronic Valves)
060771A	110 to 24VAC Class II 40VA (Up to 10 Electronic Valves)
060772A	110 to 24VAC Class II 100VA (Up to 25 Electronic Valves)
✓ CORDS:	
060690A	36" Cable Extension

Refer to www.specselect.com for individual models.
Product supplied as shown by solid lines. All items shown by dotted lines supplied by others.

Electronic Faucet - 591T Series 4" Cast Lavatory

TECK®



Specification: (example)

- 102mm (4") electronic faucet
- **CAST** one-piece body with integral waterproof sensor and connector
- Polished chrome plated trim
- **Battery** (4AA) or **Hardwire** (24VAC) infrared electronic handwash
- H₂OPTICS™ technology – no external adjustments required
- Serviceable filter screen upstream of the valve
- Metal hold-down package
- Tempered water supplied to solenoid valve, (except control box options No. 0 and 1) and... with... (specify battery or hardwire) with... (add outlet required) with... (add control box required) with... (transformer - specify separately - See Back Page)

Synergy®
H₂OPTICS™



591T1250

Engineer/Architect Approval

Model Specified:

Approval:

Date:

DESCRIPTION	PRODUCT NO.			
Hardwire	591T02			For Chrome
	591T02		- PB	For Brilliance® Polished Brass
	591T02		- SS	For Brilliance® Stainless Steel
Battery Operated	591T12			For Chrome
	591T12		- PB	For Brilliance® Polished Brass
	591T12		- SS	For Brilliance® Stainless Steel



SPOUT & SENSOR		OUTLET		CONTROL BOX	
0	<input type="checkbox"/>	0	<input type="checkbox"/>	0	Base Model with Surface Mount Housing* SEE Specification Drawing #1 <input type="checkbox"/>
1	<input type="checkbox"/>	1	<input type="checkbox"/>	1	For RECESSED MOUNTING Components ASSEMBLED in 10" Box w/S/S Cover.* SEE Specification Drawing #2 <input type="checkbox"/>
2	4" CAST Lavatory Spout  <input checked="" type="checkbox"/>	2	<input type="checkbox"/>	2	<input type="checkbox"/>
3	<input type="checkbox"/>	3	<input type="checkbox"/>	3	<input type="checkbox"/>
4	<input type="checkbox"/>	4	<input type="checkbox"/>	4	<input type="checkbox"/>
5	<input type="checkbox"/>	5	Vandal Resistant 0.5 USGPM (1.9 L/min) Flow Control Non-Aerating Spray Outlet  <input type="checkbox"/>	5	<input type="checkbox"/>
6	<input type="checkbox"/>	6	Vandal Resistant 1.0 USGPM (3.8 L/min) Flow Control Non-Aerating Spray Outlet  <input type="checkbox"/>	6	For RECESSED MOUNTING Components & Mechanical Mixing Valve (1) ASSEMBLED in 10" Box w/S/S Cover. SEE Specification Drawing #3 <input type="checkbox"/>
7	<input type="checkbox"/>	7	<input type="checkbox"/>	7	<input type="checkbox"/>
8	<input type="checkbox"/>	8	<input type="checkbox"/>	8	For RECESSED MOUNTING Components & Thermostatic Mixing Valve ASSEMBLED in 10" Box w/S/S Cover. SEE Specification Drawing #4 <input type="checkbox"/>
9	<input type="checkbox"/>	9	<input type="checkbox"/>	9	<input type="checkbox"/>

* **Mixing Valve** supplied by others.

(1) With Thermostatic Limit Stop.

Refer to www.specselect.com for individual models.

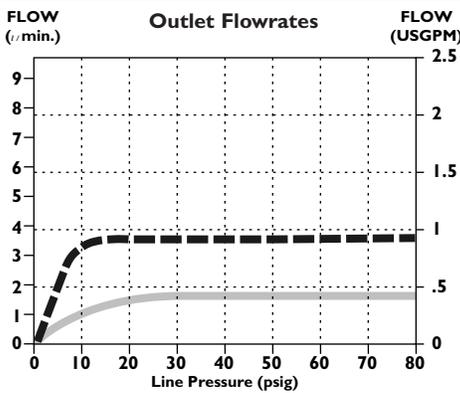
Note: Use this page front and back, with specification drawing page referenced above, as product submittal sheets.

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.specselect.com for finish options and product availability.

Flowrates are at 60 PSI.

Approvals:

- CSA certified
 - Complies to ASME A112.18.1
 - ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. handle operating force.
 - IAPMO listed
 - Control Box Option 6 Mechanical Mixing Valve CSA certified
 - Control Box Option 8 Thermostatic Mixing Valve CSA certified and meets ASSE 1016 (Contact Delta Representative for State and/or Local Approvals.)
- U.S. Patent # 6, 826, 455

FLOWRATE vs PRESSURE


Spout Outlets	
—	No. 5 Low Flow Outlet
- - -	No. 6 Flow Control Outlet

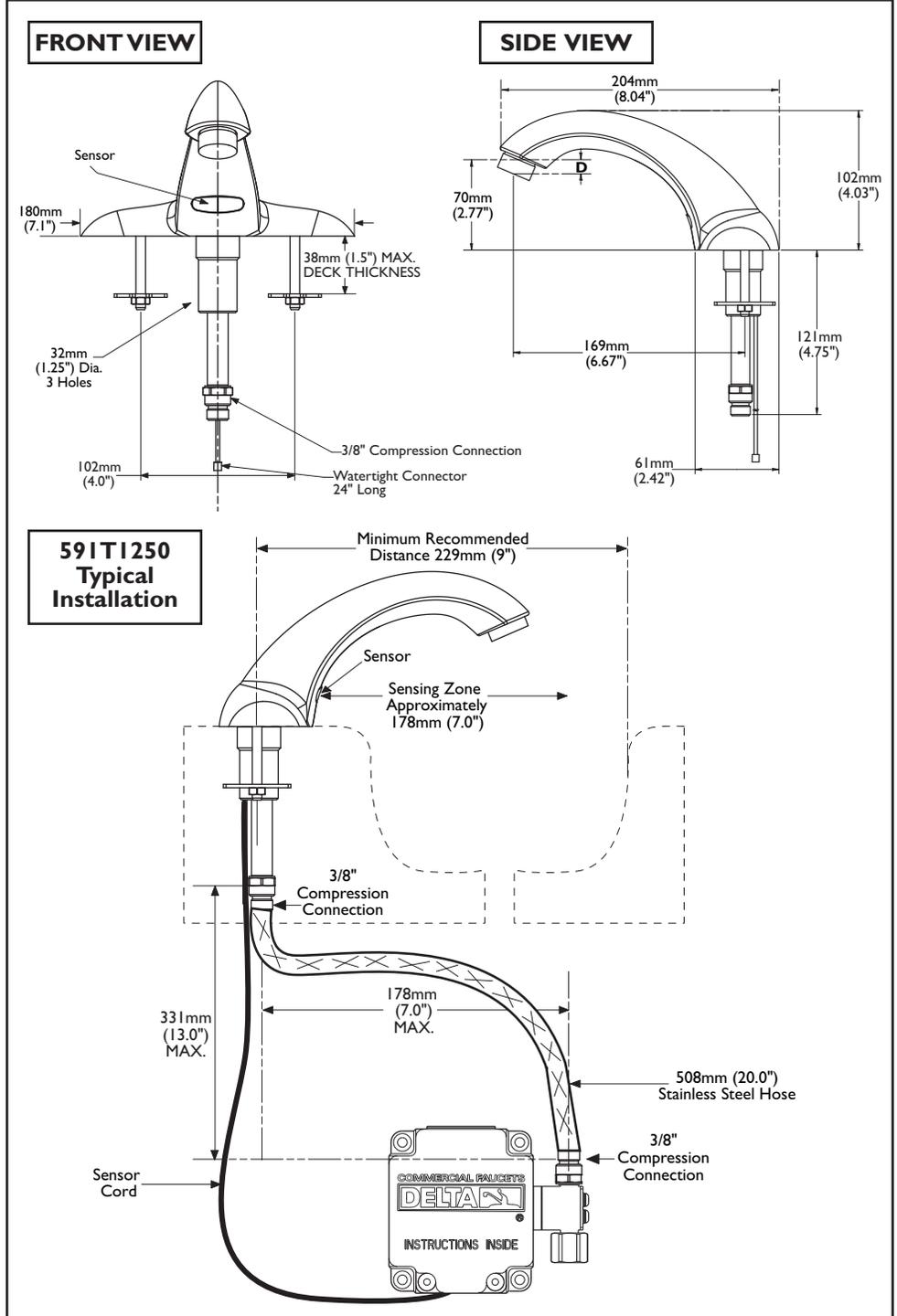
CAST SPOUT OUTLET NO.	"D"	
	mm	in.
5	11	0.45
6	11	0.45

OPERATION:

- Hands free (touchless) operation.
- Water flows when sensor is activated.
- Water flow stops upon de-activation of sensor.
- Includes self adaptive technology. No external adjustments required.
- Sensing zone approximately 178mm (7").
- 45 second maximum run time. Will reset once obstruction is removed.
- Low battery audible beep (for battery models only). Will activate after faucet shuts off when approximately 1500 cycles remain.

NOTE: For optimum performance of this product, we recommend a system pressure between 20 and 80 PSI static. This product will operate up to a maximum of 125 PSI static per ANSI and CSA requirements. However, we do not recommend pressures above 80 PSI. Thermal expansion or leaking pressure reducing valves may require use of expansion tanks or relief valves to ensure your system never exceeds its maximum intended pressure setting.

Note: Measurements may vary ± 6mm (0.25")


591T ELECTRONIC FAUCET OPTIONAL ACCESSORIES:

TRANSFORMERS:	
✓	060704A 110 to 24VAC Class II 20VA (Up to 10 Electronic Valves)
	060771A 110 to 24VAC Class II 40VA (Up to 20 Electronic Valves)
	060772A 110 to 24VAC Class II 100VA (Up to 50 Electronic Valves)
CORDS:	
✓	RP4007I 24" Sensor Cable Extension Kit

Refer to www.specselect.com for individual models.
Product supplied as shown by solid lines. All items shown by dotted lines supplied by others.

Electronic Faucet 1500T & 1501T Series

TECK®

DELTA
COMMERCIAL

Specification: (example)

- **Battery** (4 'C' cell) or **Hardwire** (24 VAC) infrared electronic handwash system
- H₂OPTICS™ technology – no external adjustments required
- Chrome plated one piece cast main body with integral sensor and rigid spout
- Adjustable sensing range and timeout
- Audible low battery indicator
- Forged brass solenoid valve (control box No. 0 only)
- Tempered water supplied to solenoid valve, (except control box options No. 0 and 1)

and... with... (specify battery or hardwire)
 with... (add spout required)
 with... (add outlet required)
 with... (add control box required)
 with... (transformer - specify separately - See Back Page)



H₂OPTICS™

1501T3470

Engineer/Architect Approval

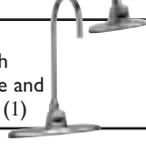
Model Specified:

Approval:

Date:

DESCRIPTION	PRODUCT NO.			
Hardwire	1500T3			
Battery Operated	1501T3			



SPOUT & SENSOR		OUTLET		CONTROL BOX	
0	<input type="checkbox"/>	0	<input type="checkbox"/>	0	Base Model with Surface Mount Housing* SEE Specification Drawing #9 <input type="checkbox"/>
1	<input type="checkbox"/>	1	<input type="checkbox"/>	1	For RECESSED MOUNTING Components ASSEMBLED in 10" Box w/S/S Cover.* SEE Specification Drawing #10 <input type="checkbox"/>
2	<input type="checkbox"/>	2	Vandal Resistant 1.5 USGPM (5.7 L/min.) Laminar w/Antimicrobial By AgION™  <input type="checkbox"/>	2	<input type="checkbox"/>
3	(R5) Single Hole Deckmount Gooseneck Spout with Integral Sensor in Base (1)  <input type="checkbox"/>	3	Vandal Resistant 1.5 USGPM (5.7 L/min.) Flow Control Aerator  <input type="checkbox"/>	3	<input type="checkbox"/>
4	(R5) Deckmount Gooseneck Spout with Integral Sensor in Base and 4" Forged Coverplate (1)  <input type="checkbox"/>	4	<input type="checkbox"/>	4	<input type="checkbox"/>
5	(R5) Deckmount Gooseneck Spout with Integral Sensor in Base and 8" Forged Coverplate (1)  <input type="checkbox"/>	5	<input type="checkbox"/>	5	<input type="checkbox"/>
6	<input type="checkbox"/>	6	<input type="checkbox"/>	6	For RECESSED MOUNTING Components & Mechanical Mixing Valve (2) ASSEMBLED in 10" Box w/S/S Cover. SEE Specification Drawing #11 <input type="checkbox"/>
7	<input type="checkbox"/>	7	Smooth End, Laminar Flow Control in Base of Gooseneck Spout 1.1 USGPM (4.2L/min.)  <input type="checkbox"/>	7	<input type="checkbox"/>
8	<input type="checkbox"/>	8	<input type="checkbox"/>	8	For RECESSED MOUNTING Components & Thermostatic Mixing Valve ASSEMBLED in 10" Box w/S/S Cover. SEE Specification Drawing #12 <input type="checkbox"/>
9	<input type="checkbox"/>	9	<input type="checkbox"/>	9	<input type="checkbox"/>

* **Mixing Valve** supplied by others.

Flowrates are at 60 PSI.

(1) No Optional Spouts Available. (2) With Thermostatic Limit Stop.

Refer to www.specselect.com for individual models.

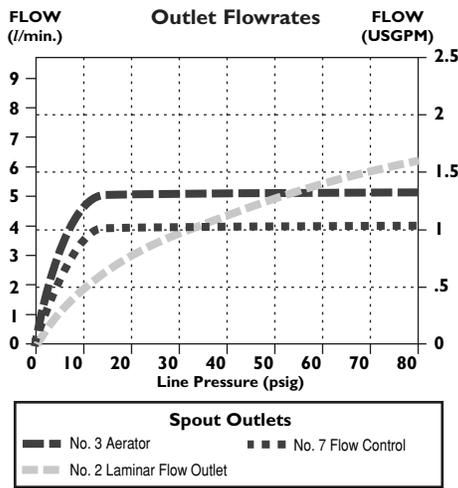
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Approvals:

- CSA certified
 - Complies to ASME A112.18.1
 - ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. handle operating force.
 - IAPMO listed
 - Control Box Option 6 Mechanical Mixing Valve CSA certified
 - Control Box Option 8 Thermostatic Mixing Valve CSA certified and meets ASSE 1016
- (Contact Delta Representative for State and/or Local Approvals.)
U.S. Patent #6, 826, 455.

FLOWRATE vs PRESSURE



OPERATION:

- Hands free (touchless) operation.
- Water flows when sensor is activated.
- Water flow stops upon de-activation of sensor.
- Auto shut-off feature that is selectable between 15 to 75 seconds. Factory set to 45 seconds. Will reset once obstruction is removed.
- Adjustable sensing distance 76 to 381 mm (3" to 15") factory set to 229mm (9") (+/- 1.0")
- Low battery audible beep (for battery models only) will activate after faucet shuts off when approximately 1500 cycles remain.

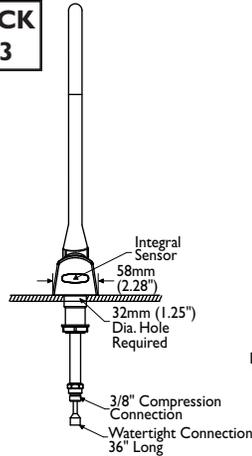
NOTE: For optimum performance of this product, we recommend a system pressure between 20 and 80 PSI static. This product will operate up to a maximum of 125 PSI static per ANSI and CSA requirements. However, we do not recommend pressures above 80 PSI. Thermal expansion or leaking pressure reducing valves may require use of expansion tanks or relief valves to ensure your system never exceeds its maximum intended pressure setting.

GOOSENECK SPOUT ASSEMBLIES

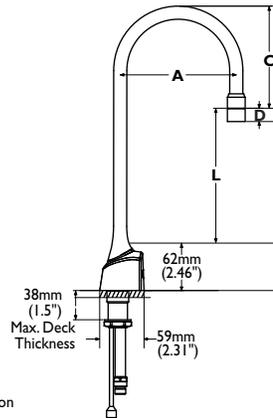
Spout/Outlet	"A"		"C"		"L"	
	mm	in.	mm	in.	mm	in.
Gooseneck-Standard (R5) for Outlet #2 and 3	152	6	124	4.9	188	7.4
Gooseneck-Standard (R5) for Outlet #7	152	6	117	4.6	196	7.7

Note: Measurements may vary ± 6mm (0.25")

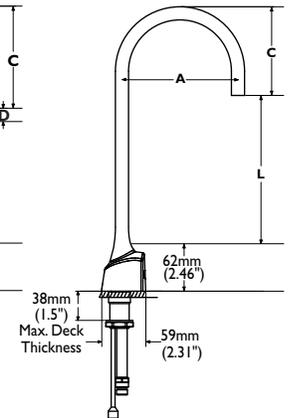
GOOSENECK SPOUT #3



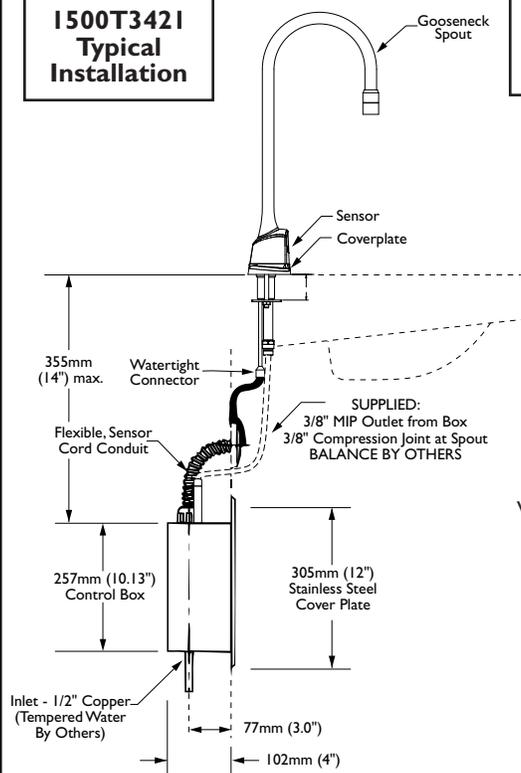
with Outlet #2 and 3



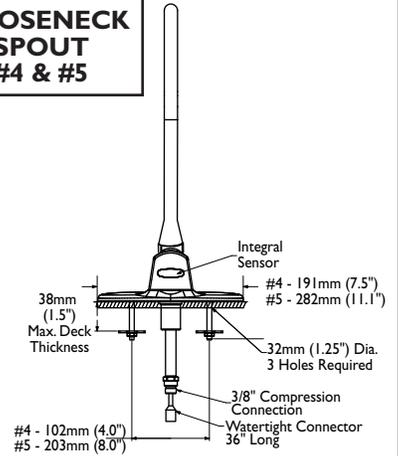
with Outlet #7



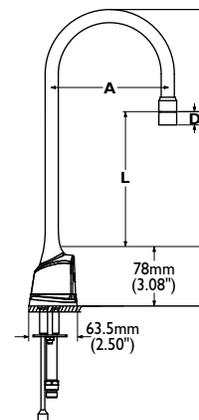
1500T3421 Typical Installation



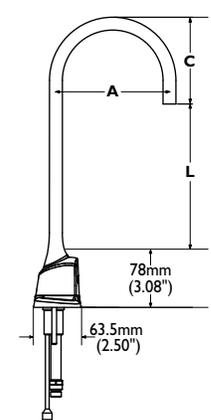
GOOSENECK SPOUT #4 & #5



with Outlet #2 and 3



with Outlet #7



OUTLET NO.	"D"	
	mm	in.
2	18	0.69
3	18	0.69

1500T & 1501T ELECTRONIC FAUCET OPTIONAL ACCESSORIES:

✓	TRANSFORMERS:
	060704A 110 to 24VAC Class II 20VA (Up to 5 Electronic Valves)
	060771A 110 to 24VAC Class II 40VA (Up to 10 Electronic Valves)
	060772A 110 to 24VAC Class II 100VA (Up to 25 Electronic Valves)
✓	CORDS:
	060690A 36" Cable Extension

Electronic Activated Flushvalve 1600T and 1601T Series

TECK®

DELTA
COMMERCIAL

Specification: (example)

- **Battery** (4 'C' cell) or **Hardwire** (24 VAC) infrared electronic activated concealed flushvalve system
 - Stainless steel cover with integral sensor utilizing H₂OPTICS™ technology and S/S vandal resistant mounting screws
 - Metal mounting box or frame, power function light, field selectable sensor range
 - Preset blocking time, built-in activation delay
 - Electronic manual override
 - Solenoid operation valve
- and... with... (add for fixture type required)
 with... (add control/sensor box required)
 with... (transformer - specify separately - See Back Page)



1600T6104RI and
1600T6104TR

H₂OPTICS™



Engineer/Architect Approval

Model Specified:

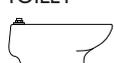
Approval:

Date:

DESCRIPTION			PRODUCT NO.			
Electronic Activated Flushvalve	Hardwire	1600T	6	0		RI
	Hardwire	1600T	6	0		TR
Electronic Activated Flushvalve	Battery	1601T	6	0		RI
	Battery	1601T	6	0		TR

Note: Rough-in and Trim Ordered Separately



FIXTURE TYPE	NOT APPLICABLE	CONTROL/SENSOR BOX
0 <input type="checkbox"/>	0 <input checked="" type="checkbox"/>	0 <input type="checkbox"/>
1  TOILET - Back Inlet - Wallhung - 1-1/2" Spud <input type="checkbox"/>	1 <input type="checkbox"/>	1 <input type="checkbox"/>
2  TOILET - Back Inlet - Free Standing - 1-1/2" Spud <input type="checkbox"/>	2 <input type="checkbox"/>	2 For RECESSED MOUNTING Components ASSEMBLED w/Flushvalve in 12 x 18" Frame, w/Integral Sensor in 14 x 20" S/S Cover. SEE Specification Drawing #17 <input type="checkbox"/>
3  TOILET - Top Inlet - Free Standing or Wallhung - 1-1/2" Spud <input type="checkbox"/>	3 <input type="checkbox"/>	3 For RECESSED MOUNTING Components ASSEMBLED w/Flushvalve in 12" Frame, w/Integral Sensor in 14" S/S Cover. SEE Specification Drawing #17 <input type="checkbox"/>
4  URINAL - Back Inlet (1) - 3/4" Spud - Syphon Jet Type <input type="checkbox"/>	4 <input type="checkbox"/>	4 For RECESSED MOUNTING Components ASSEMBLED w/Flushvalve, 4" Box, w/Integral Sensor in S/S Cover. SEE Specification Drawing #17 <input type="checkbox"/>
5 <input type="checkbox"/>	5 <input type="checkbox"/>	5 <input type="checkbox"/>
6 <input type="checkbox"/>	6 <input type="checkbox"/>	6 <input type="checkbox"/>
7 <input type="checkbox"/>	7 <input type="checkbox"/>	7 <input type="checkbox"/>
8 <input type="checkbox"/>	8 <input type="checkbox"/>	8 <input type="checkbox"/>
9 <input type="checkbox"/>	9 <input type="checkbox"/>	9 <input type="checkbox"/>

(1) When used for TOP Inlet Urinal Fixture - Exposed Tubing, Flanges, Elbow, etc. **SUPPLIED** by Others
 Refer to www.specselect.com for individual models.

Note: Use this page front and back, with specification drawing page referenced above, as product submittal sheets.

Approvals:

- CSA certified
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. handle operating force.
- IAPMO listed
- Complies to ASSE Standard 1037

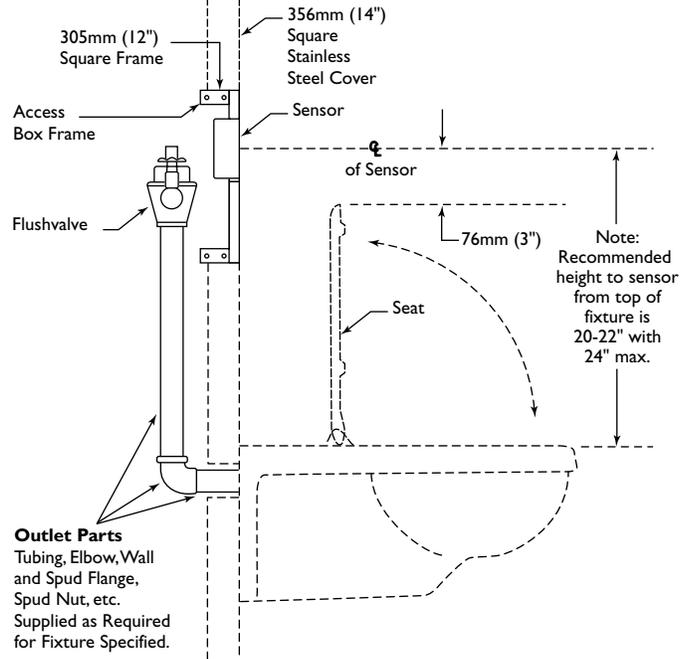
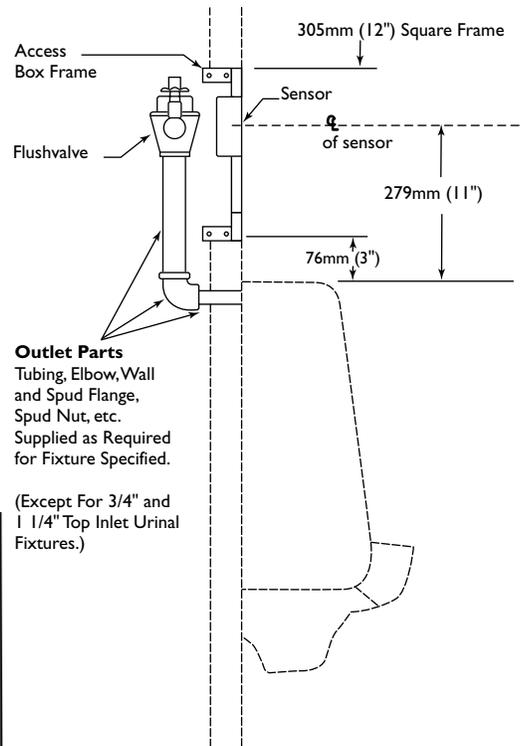
(Contact Delta Representative for State and/or Local Approvals.)

W.C. OPERATION:

- 8 second blocking time.
- 4 second activation delay.
- Adjustable flush volume using adjustment screw on flushvalve.
- Selectable sensing distance: 24 to 56" in 8" increments
Factory set to 40"
- 24 hour courtesy flush factory set to off.

URINAL OPERATION:

- 8 second blocking time.
- 0 second activation delay.
- Adjustable flush volume using adjustment screw on flushvalve.
- Selectable sensing distance: 12 to 28" in 4" increments
Factory set to 20"
- Adjustable 24 hour courtesy flush factory set to on.

**1600T6103RI
and
1600T6103TR
Typical
Installation**

**1600T6403RI
and
1600T6403TR
Typical
Installation**

1600T ELECTRONIC FLUSH VALVE OPTIONAL ACCESSORIES:

✓	TRANSFORMERS:
	060704A 110 to 24VAC Class II 20VA (For 5 Sensor Modules)
	060771A 110 to 24VAC Class II 40VA (Up to 10 Sensor Modules)
	060772A 110 to 24VAC Class II 100VA (Up to 25 Sensor Modules)
✓	CORDS:
	060680A 4' Solenoid Extension Wire
✓	HARDWIRE CONVERTER:
	060683A 24VAC to 6VDC Converter (Supplied standard on Hardwire models)

Note: Measurements may vary ± 6mm (0.25")

Refer to www.specselect.com for individual models.
Product supplied as shown by solid lines. All items shown by dotted lines supplied by others.

Electronic Washdown Urinal 1600T and 1601T Series

TECK®



Specification: (example)

- **Battery** (4 'C' cell) or **Hardwire** (24 VAC) infrared electronic urinal flushing system
 - Stainless steel cover with integral sensor utilizing H₂OPTICS™ technology and S/S vandal resistant mounting screws, metal mounting box
 - Power function light, field selectable sensor range
 - Electronic manual override
 - Preset blocking time
 - Slow closing solenoid valve, integral stop and...
- with... (add control/sensor box required)
with... (transformer - specify separately - See Back Page)



**1600T9003RI and
1600T9003TR**

H₂OPTICS™

Engineer/Architect Approval

Model Specified:

Approval:

Date:

DESCRIPTION			PRODUCT NO.			
Electronic Washdown Urinal	Hardwire	1600T	9	0	0	RI
	Hardwire	1600T	9	0	0	TR
Electronic Washdown Urinal	Battery	1601T	9	0	0	RI
	Battery	1601T	9	0	0	TR

Note: Rough-in and Trim Ordered Separately



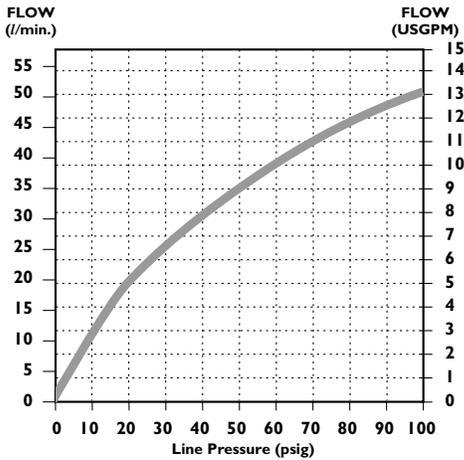
NOT APPLICABLE		NOT APPLICABLE		CONTROL/SENSOR BOX	
0	<input checked="" type="checkbox"/>	0	<input checked="" type="checkbox"/>	0	<input type="checkbox"/>
1	<input type="checkbox"/>	1	<input type="checkbox"/>	1	For RECESSED MOUNTING - BACK INLET URINAL Components ASSEMBLED in 8" Box, w/Integral Sensor in S/S Cover, S/S Outlet Hose. SEE Specification Drawing #18 <input type="checkbox"/>
2	<input type="checkbox"/>	2	<input type="checkbox"/>	2	<input type="checkbox"/>
3	<input type="checkbox"/>	3	<input type="checkbox"/>	3	For RECESSED MOUNTING - TOP INLET URINAL (1) Components ASSEMBLED in 8" Box, w/Integral Sensor in S/S Cover. SEE Specification Drawing #18 <input type="checkbox"/>
4	<input type="checkbox"/>	4	<input type="checkbox"/>	4	<input type="checkbox"/>
5	<input type="checkbox"/>	5	<input type="checkbox"/>	5	<input type="checkbox"/>
6	<input type="checkbox"/>	6	<input type="checkbox"/>	6	Components only UNASSEMBLED (1) 4" Box w/Integral Sensor in S/S Cover SEE Specifications Drawing #19 (2) <input type="checkbox"/>
7	<input type="checkbox"/>	7	<input type="checkbox"/>	7	<input type="checkbox"/>
8	<input type="checkbox"/>	8	<input type="checkbox"/>	8	<input type="checkbox"/>
9	<input type="checkbox"/>	9	<input type="checkbox"/>	9	<input type="checkbox"/>

(1) When used for TOP Inlet Urinal Fixture - Exposed Tubing, Flanges, Elbow, etc. **SUPPLIED** by Others. (2) 1600T9006 & 1601T9006 ordered as complete product only. No RI or TR available. Refer to www.specselect.com for individual models. Note: Use this page front and back, with specification drawing page referenced above, as product submittal sheets.

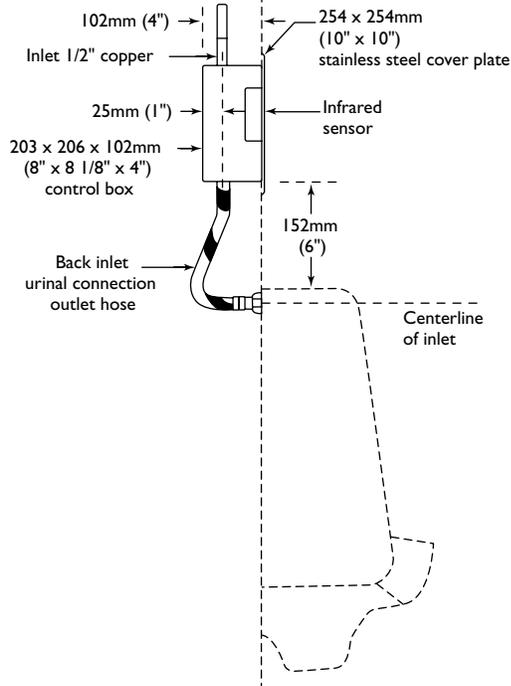
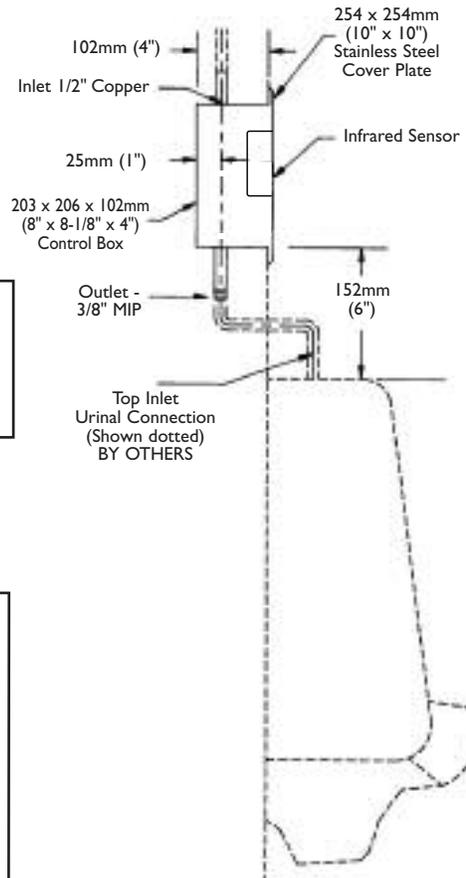
Approvals:

- CSA certified
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. handle operating force.
- IAPMO listed

(Contact Delta Representative for State and/or Local Approvals.)

FLOWRATE vs PRESSURE

OPERATION:

- 8 second blocking time.
- Activation delay:
0 seconds on urinal applications
- Adjustable flush time 4 to 9 seconds
Factory set at 4 seconds
- Selectable sensing distance:
12 to 28" in 4" increments.
Factory set to 20"
- Adjustable 24 hour courtesy flush
factory set to on.

**1600T900IRI
and
1600T900ITR
Typical
Installation**

**1600T9003RI
and
1600T9003TR
Typical
Installation**

1600T ELECTRONIC FLUSH VALVE OPTIONAL ACCESSORIES:

✓	TRANSFORMERS:
	060704A 110 to 24VAC Class II 20VA (For 5 Sensor Modules)
	060771A 110 to 24VAC Class II 40VA (Up to 10 Sensor Modules)
	060772A 110 to 24VAC Class II 100VA (Up to 25 Sensor Modules)
✓	CORDS:
	060680A 4' Solenoid Extension Wire
✓	HARDWIRE CONVERTER:
	060683A 24VAC to 6VDC Converter (Supplied standard on Hardwire models)

Note: Measurements may vary ± 6mm (0.25")

Refer to www.specselect.com for individual models.
Product supplied as shown by solid lines. All items shown by dotted lines supplied by others.

Electronic Basin/Sink Faucet 3000T & 3001T Series Adjustable Program

TECK®

DELTA
COMMERCIAL

Specification: (example)

- **Battery** (4 AA) or **Hardwire** (24 VAC) infrared electronic handwash system
 - Chrome plated one piece cast main body with integral sensor
 - Field adjustable water resistant program controller
 - Backlit indicator adjustment buttons
 - Controller retains adjusted settings in event of power failure
 - Visible low battery indicator above deck
 - Chrome plated forged brass solenoid valve with Y strainer cleanout
 - Tempered water supplied to solenoid valve, (except control box options No. 0, 1 and 2)
- and... with... (specify battery or hardwire)
 with... (add spout required)
 with... (add outlet required)
 with... (add control box required)
 with... (add suffix **-KS** if required - See Back Page)
 with... (transformer - specify separately - See Back Page)



3001T3420

Engineer/Architect Approval

Model Specified:

Approval:

Date:

DESCRIPTION	PRODUCT NO.
Hardwire	3000T3
Battery Operated	3001T3



SPOUT & SENSOR	OUTLET	CONTROL BOX
0 <input type="checkbox"/>	0 <input type="checkbox"/>	0 Base Model with Surface Mount Housing* SEE Specification Drawing #5 <input type="checkbox"/>
1 <input type="checkbox"/>	1 <input type="checkbox"/>	1 For RECESSED MOUNTING Components ASSEMBLED in 10" Box w/S/S Cover.* SEE Specification Drawing #6 <input type="checkbox"/>
2 <input type="checkbox"/>	2 Vandal Resistant 1.5 USGPM (5.7 L/min) Laminar w/Antimicrobial by AgION™  <input type="checkbox"/>	2 For SURFACE MOUNTING Components ASSEMBLED in 10" Box w/Aluminum Cover.* SEE Specification Drawing #6 <input type="checkbox"/>
3 (R5) Single Hole Gooseneck Spout with Integral Sensor in Base (1)  <input type="checkbox"/>	3 Vandal Resistant 1.5 USGPM (5.7 L/min) Flow Control Aerator  <input type="checkbox"/>	3 <input type="checkbox"/>
4 (R5) Gooseneck Spout with Integral Sensor in Base and 4" Forged Coverplate (1)  <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>
5 (R5) Gooseneck Spout with Integral Sensor in Base and 8" Forged Coverplate (1)  <input type="checkbox"/>	5 Vandal Resistant 0.5 USGPM (1.9 L/min) Flow Control Non-Aerating Spray Outlet  <input type="checkbox"/>	5 <input type="checkbox"/>
6 <input type="checkbox"/>	6 <input type="checkbox"/>	6 For RECESSED MOUNTING Components & Mechanical Mixing Valve (2) ASSEMBLED in 10" Box w/S/S Cover. SEE Specification Drawing #7 <input type="checkbox"/>
7 <input type="checkbox"/>	7 Smooth End, Laminar Flow Control in Base of Gooseneck Spout 1.1 USGPM (4.2L/min.)  <input type="checkbox"/>	7 For SURFACE MOUNTING Components & Mechanical Mixing Valve (2) ASSEMBLED in 10" Box w/Aluminum Cover. SEE Specification Drawing #7 <input type="checkbox"/>
8 <input type="checkbox"/>	8 <input type="checkbox"/>	8 For RECESSED MOUNTING Components & Thermostatic Mixing Valve ASSEMBLED in 10" Box w/S/S Cover. SEE Specification Drawing #8 <input type="checkbox"/>
9 <input type="checkbox"/>	9 <input type="checkbox"/>	9 For SURFACE MOUNTING Components & Thermostatic Mixing Valve ASSEMBLED in 10" Box w/Aluminum Cover. SEE Specification Drawing #8 <input type="checkbox"/>

* **Mixing Valve** supplied by others.

Flowrates are at 60 PSI.

(1) See Page 9.C.1 for **Optional Rigid/Swivel Spouts**. Refer to www.spesselect.com for individual models.

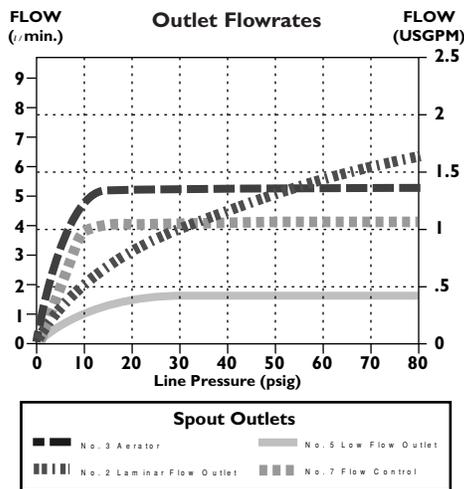
(2) With Thermostatic Limit Stop.

Note: Use this page front and back, with specification drawing page referenced above, as product submittal sheets.

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.spesselect.com for finish options and product availability.

Approvals:

- CSA certified
 - Complies to ASME A112.18.1
 - ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. handle operating force.
 - IAPMO listed
 - Control Box Option 6 & 7 Mechanical Mixing Valve CSA certified
 - Control Box Option 8 & 9 Thermostatic Mixing Valve CSA certified and meets ASSE 1016 and ASSE 1017
- (Contact Delta Representative for State and/or Local Approvals.)

FLOWRATE vs PRESSURE

OPERATION: (Optional Adjustments)

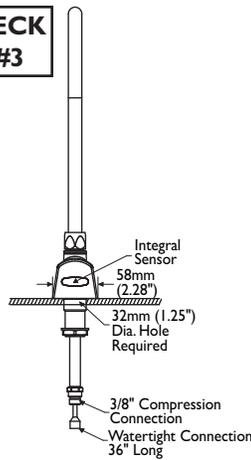
- Water flows when sensor is activated.
- Water flow stops at the selected run-on time after user removes hands from sensing zone. Run-on time selections are 0 to 8 seconds or 1 to 8 minutes for scrub-up applications. Factory set to 8 seconds.
- Blocking time between uses has selectable range of 0 to 8 seconds. Factory set to 0 seconds.
- Auto shut-off feature that is selectable between 1 to 9 minutes. Factory set to 1 minute.
- Optional metered program mode with selection of 7 to 240 seconds of continuous operation.
- Adjustable sensing distance 76 to 305mm (3" to 12") factory set to 229mm (9") (+/- 1.0")

GOOSENECK SPOUT ASSEMBLIES

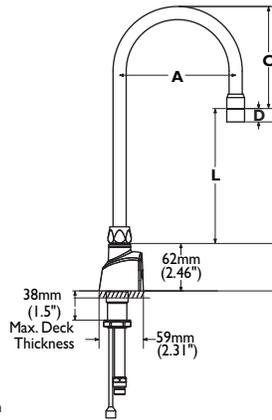
Spout/Outlet	"A"		"C"		"L"	
	mm	in.	mm	in.	mm	in.
Gooseneck-Standard (R5) for Outlet #2, 3, 5	152	6	124	4.9	188	7.4
Gooseneck-Standard (R5) for Outlet #7	152	6	117	4.6	196	7.7

See Page 9.C.1 for additional optional spouts.

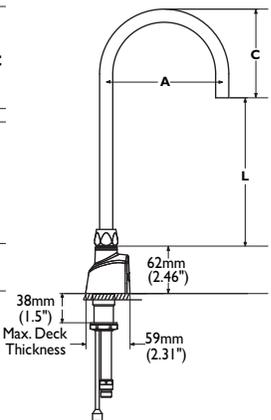
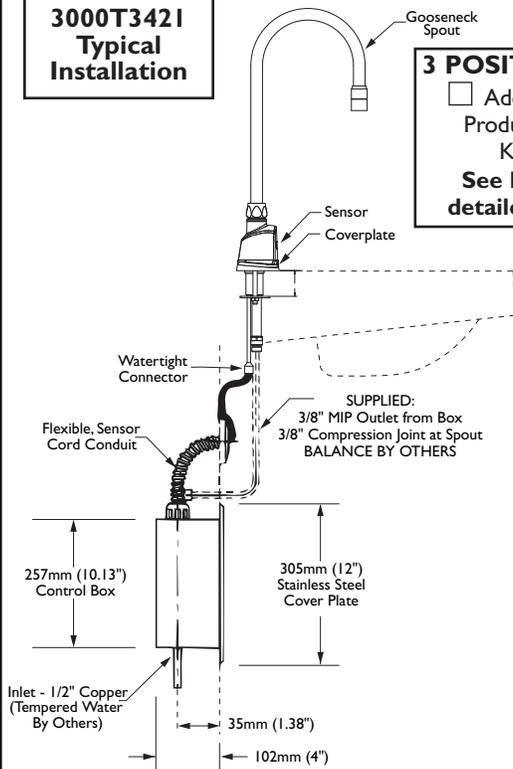
Note: Measurements may vary ± 6mm (0.25")

GOOSENECK SPOUT #3


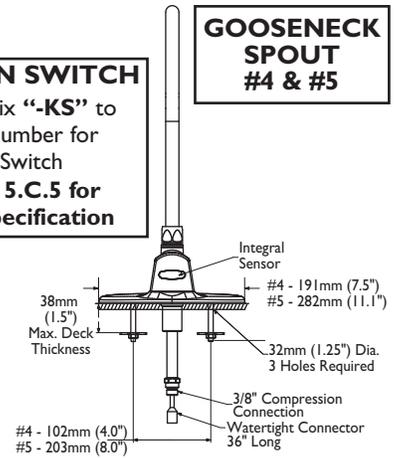
with Outlet #2, 3, 5



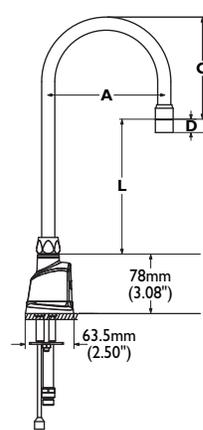
with Outlet #7


**3000T3421
Typical
Installation**

3 POSITION SWITCH

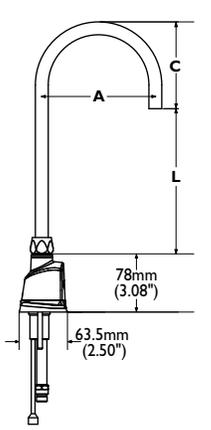
Add suffix "-KS" to Product Number for Keyed Switch
 See Page 5.C.5 for detailed specification

GOOSENECK SPOUT #4 & #5


with Outlet #2, 3, 5



with Outlet #7



OUTLET NO.	"D"	
	mm	in.
2	18	0.69
3	18	0.69
5	18	0.69

3000T & 3001T ELECTRONIC FAUCET OPTIONAL ACCESSORIES:

✓	TRANSFORMERS:
	060704A 110 to 24VAC Class II 20VA (Up to 5 Electronic Valves)
	060771A 110 to 24VAC Class II 40VA (Up to 10 Electronic Valves)
	060772A 110 to 24VAC Class II 100VA (Up to 25 Electronic Valves)
✓	CORDS:
	060520A 3 ft. Sensor Extension Cord

Refer to www.specselect.com for individual models.

Product supplied as shown by solid lines. All items shown by dotted lines supplied by others.

24T3003

(Recommended for use with 3000T3 and 3001T3 electronic faucets)

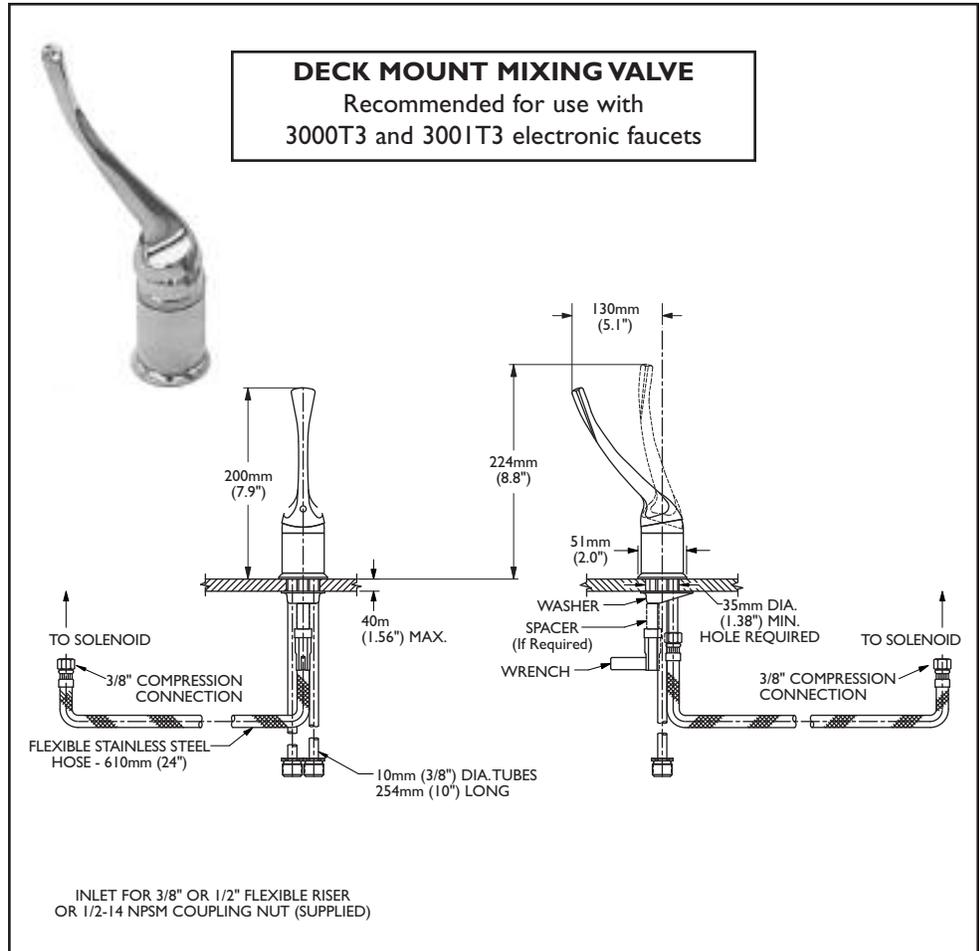
SPECIFICATION (example)

- Deck mount mixing valve
- Solid brass fabricated body
- Polished chrome plated finish
- DELTA® washerless stainless steel rotating ball cartridge
- High temperature limit stop
- Flexible, braided stainless steel connector hose to solenoid
- Integral checks
- Removable inlet filter screens
- Color indexed, ADA Compliant, vandal resistant 152mm (6") lever blade handle

Approvals:

- CSA certified
- Complies to ASME A112.18.1
- ADA Compliant and meets Handicapped Accessibility Standard ANSI 117.1 of less than 5 lbs. handling operating force.
- IAPMO listed

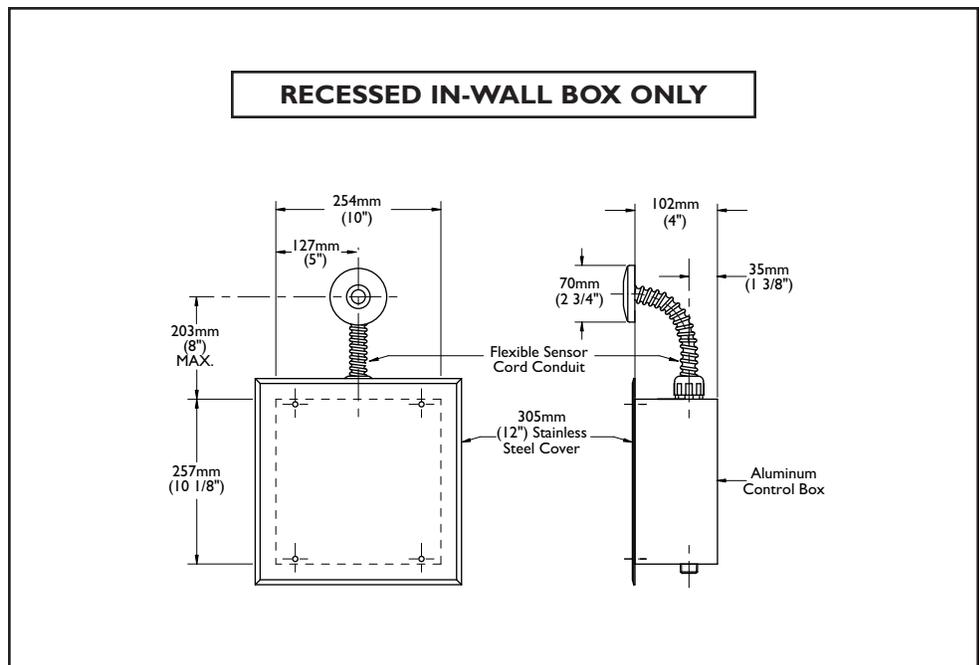
(Contact Delta Representative for State and/or Local Approvals.)



060854A

SPECIFICATION (example)

- RECESSED IN-WALL MOUNTED BOX assembly
- Vandal resistant, stainless steel cover screws
- 10" square aluminum box
- 12" square stainless steel cover
- LESS MIXING VALVE, stops and inlet tubes



Note: Measurements may vary $\pm 6\text{mm}$ (0.25")

Refer to Spec Select for individual models.

Note: Use this page as a product submittal sheet.

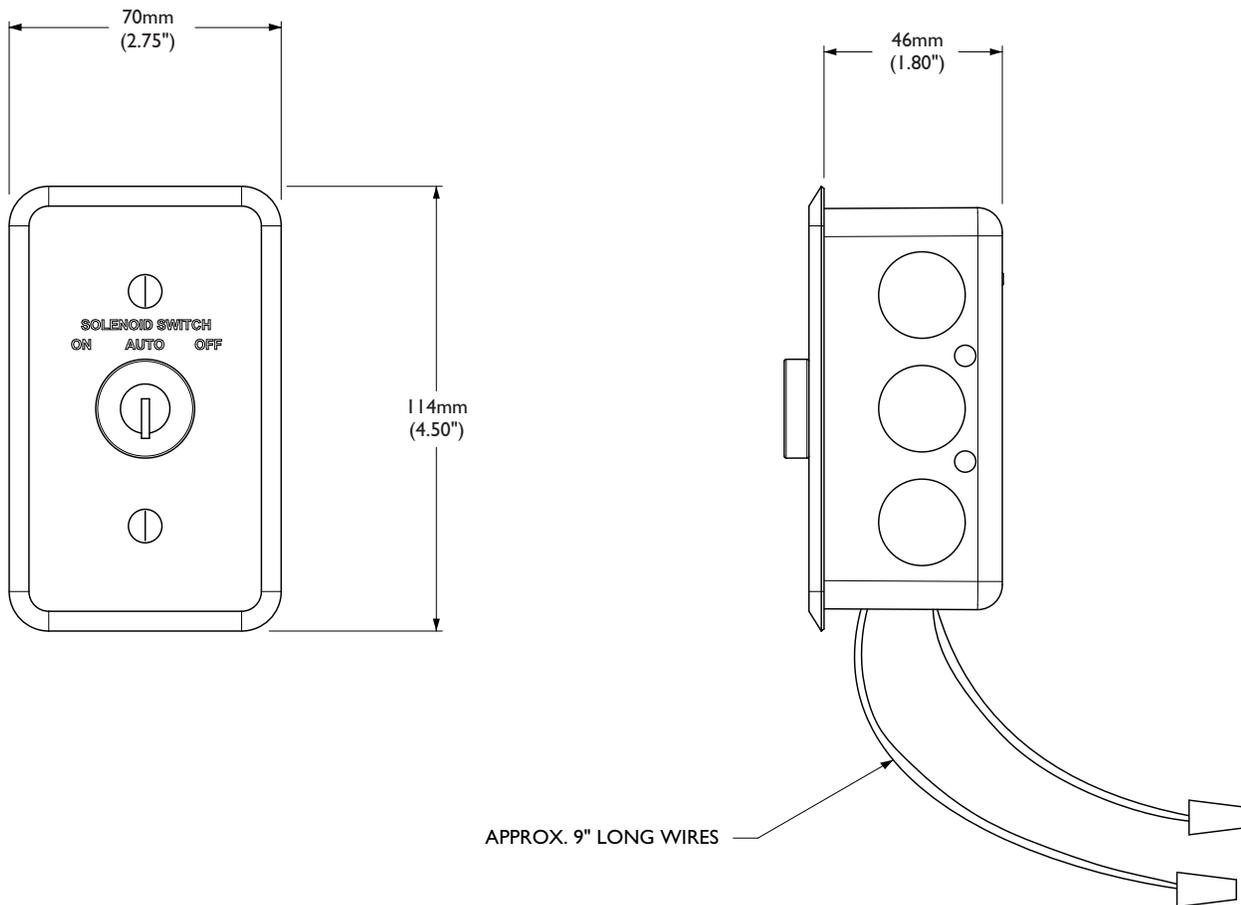
**OPTIONAL ELECTRONIC ADD-ON
3 POSITION SWITCH
FOR USE ON 3000T and 3001T SERIES**

- AUTO:** Electronic Faucet functions according to regular settings.
- OFF:** Solenoid is blocked from operating so cleaning staff can clean out sink without faucet operating.
- ON:** Solenoid goes into continuous run so water lines can be flushed with high temperature water. Do NOT exceed 160°F. Higher temperatures may damage sensor components.

060651A

- 3 Position Switch Add-on Package – Keyed Switch (if ordered separately)

Add **"-KS"** suffix to 3000T or 3001T Series Product Number



Note: May be used with ALL control box options where prolonged 'ON' or 'OFF' water is required (ie., cleaning of sink)

Note: To be used with control box options No. 0, 1, and 2 ONLY in 'ON' position for high temperature water flush as dictated by facility infection control procedure – NOT to exceed 160°F.

Note: Measurements may vary ± 6mm (0.25")

Refer to www.specselect.com for individual models.

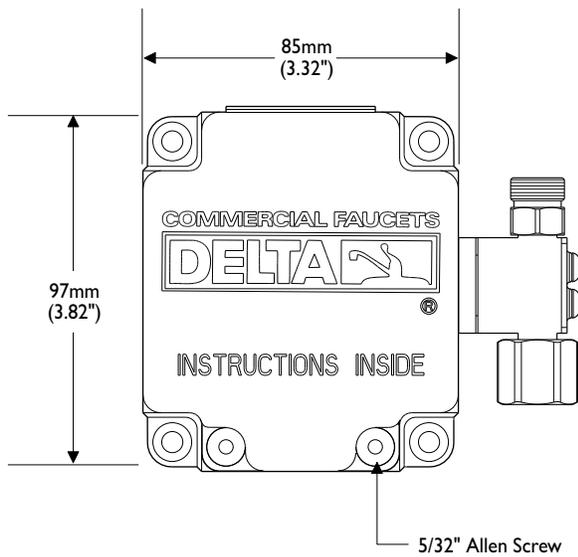
Note: Use this page front and back as a product submittal sheet.

BASE MODEL – SURFACE MOUNT

591T SERIES

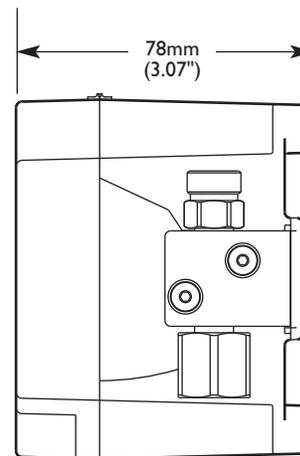
✓	PRODUCT NO.					VALVE TYPE	COVER
	591T	0	2		0	Deckmount Cast Lavatory Hardwire	Surface Mounted
	591T	1	2		0	Deckmount Cast Lavatory Battery	Surface Mounted

591T SERIES



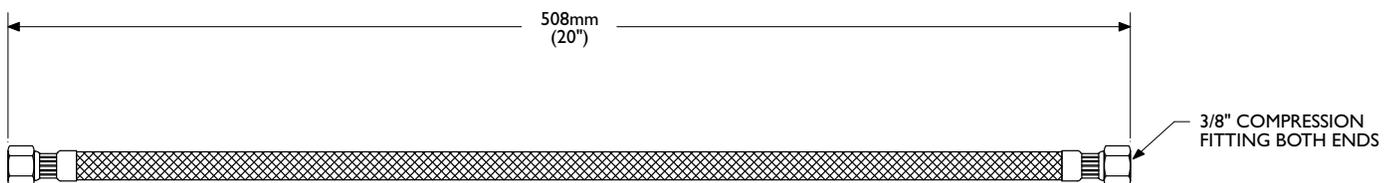
BATTERY BOX AND SOLENOID

SIDE VIEW



Note: Stainless Steel hose connection supplied between Solenoid Valve and Spout

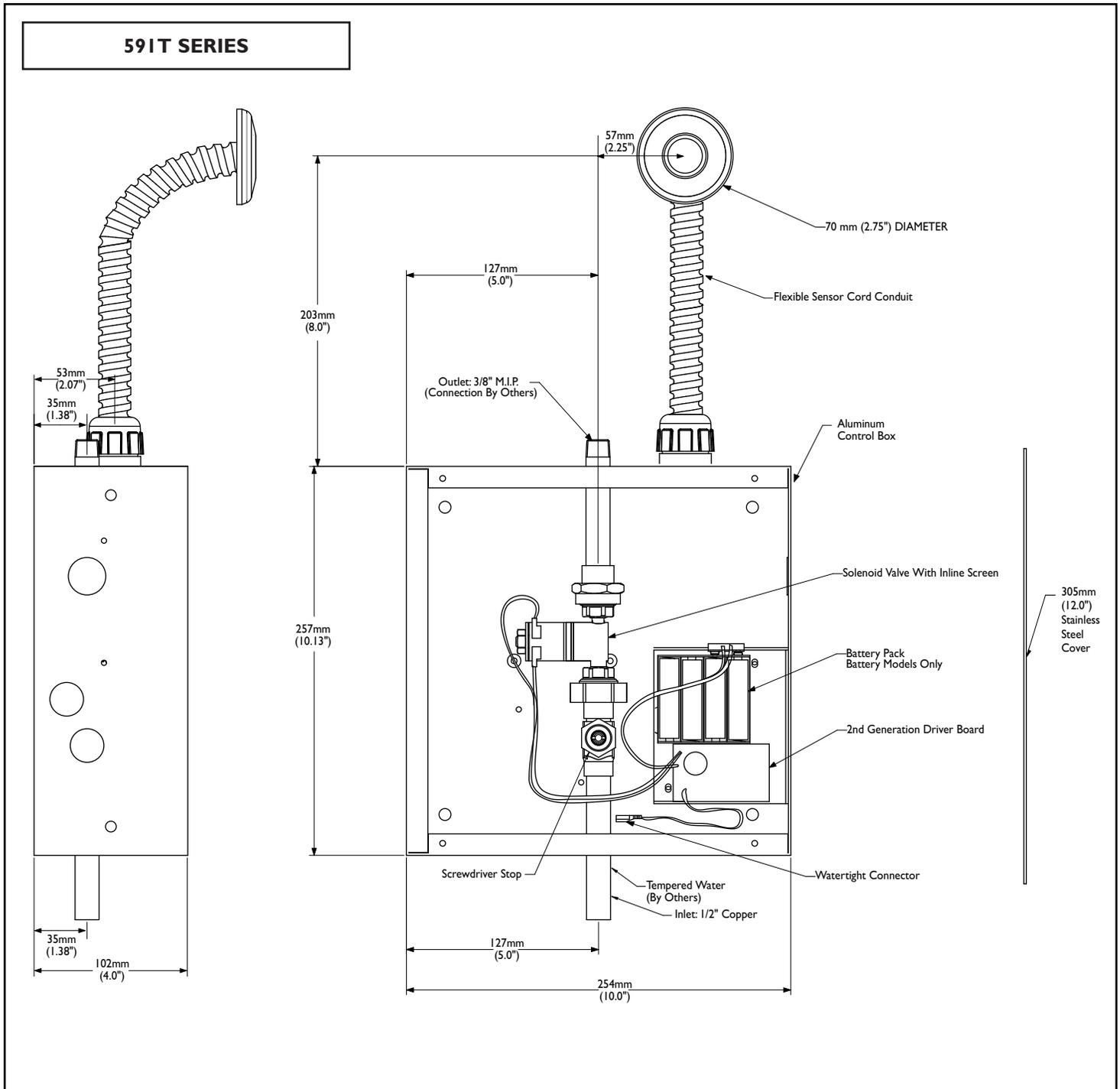
S/S HOSE



Note: Measurements may vary ± 6mm (0.25")

TEMPERED WATER - ASSEMBLED CONTROL BOX
591T SERIES

✓	PRODUCT NO.					FAUCET TYPE	MOUNT TYPE	COVER	
	*591T	0	2		I	Deckmount Cast Lavatory Hardwire	Recessed Mount	305mm (12")	Stainless Steel
	*591T	I	2		I	Deckmount Cast Lavatory Battery	Recessed Mount	305mm (12")	Stainless Steel
*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.									

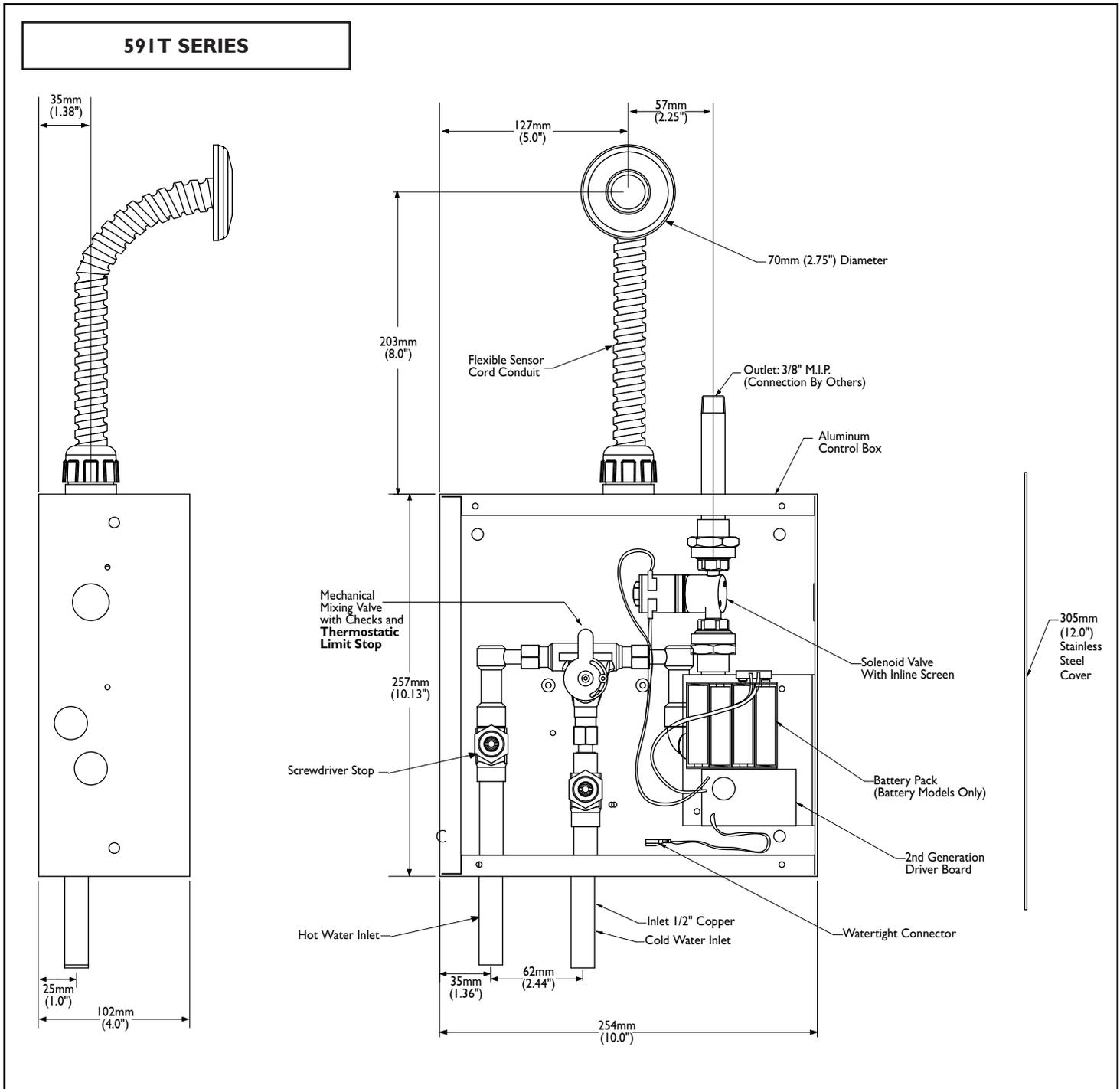


Note: Measurements may vary ± 6mm (0.25")

MECHANICAL MIXING VALVE ASSEMBLED CONTROL BOX

591T SERIES

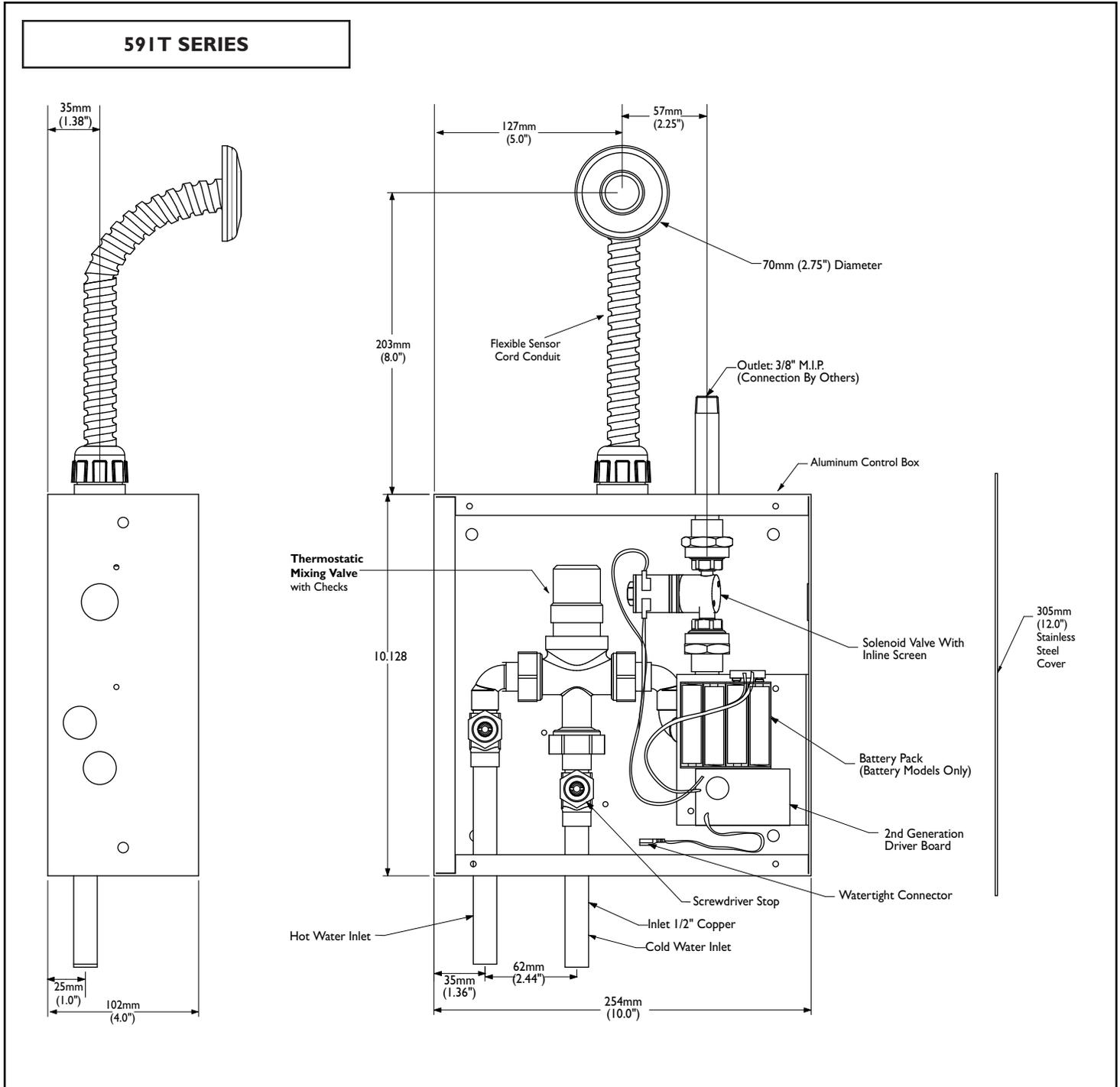
✓	PRODUCT NO.					FAUCET TYPE	MOUNT TYPE	COVER	
	*591T	0	2		6	Deckmount Handwash Hardwire	Recessed Mount	305mm (12")	Stainless Steel
	*591T	1	2		6	Deckmount Handwash Battery	Recessed Mount	305mm (12")	Stainless Steel
*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.									



Note: Measurements may vary ± 6mm (0.25")

THERMOSTATIC MIXING VALVE ASSEMBLED CONTROL BOX
59IT SERIES

✓	PRODUCT NO.				FAUCET TYPE	MOUNT TYPE	COVER		
	*59IT	0	2		8	Deckmount Handwash Hardwire	Recessed Mount	305mm (12")	Stainless Steel
	*59IT	1	2		8	Deckmount Handwash Battery	Recessed Mount	305mm (12")	Stainless Steel
*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.									

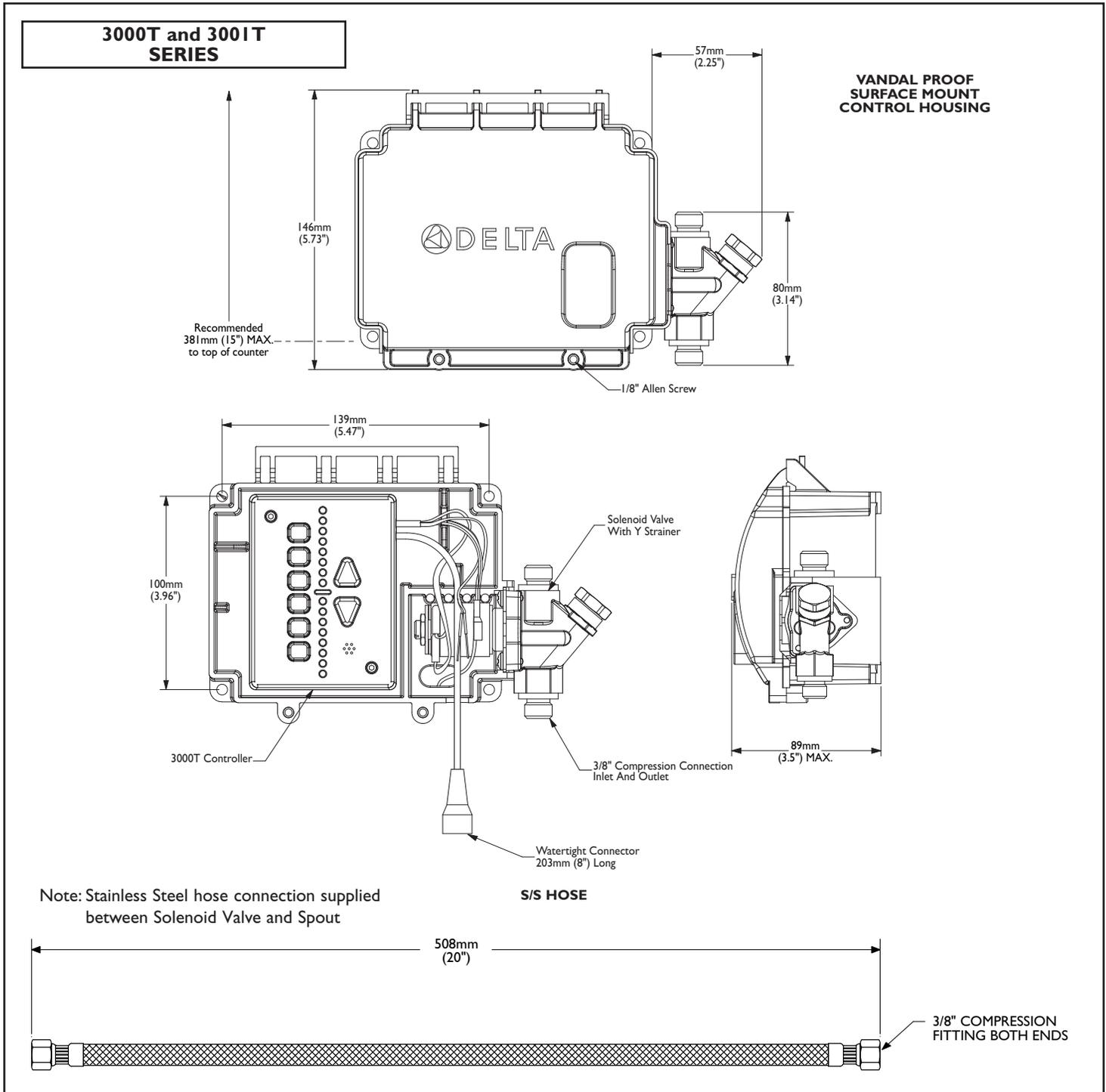


Note: Measurements may vary ± 6mm (0.25")

COMPONENTS ONLY UNASSEMBLED

3000T AND 3001T SERIES: ADJUSTABLE PROGRAM

✓	PRODUCT NO.				VALVE TYPE	COVER
	3000T	3		0	Deckmount Handwash Hardwire	Surface Mounted, Vandal Proof Control Housing
	3001T	3		0	Deckmount Handwash Battery	Surface Mounted, Vandal Proof Control Housing

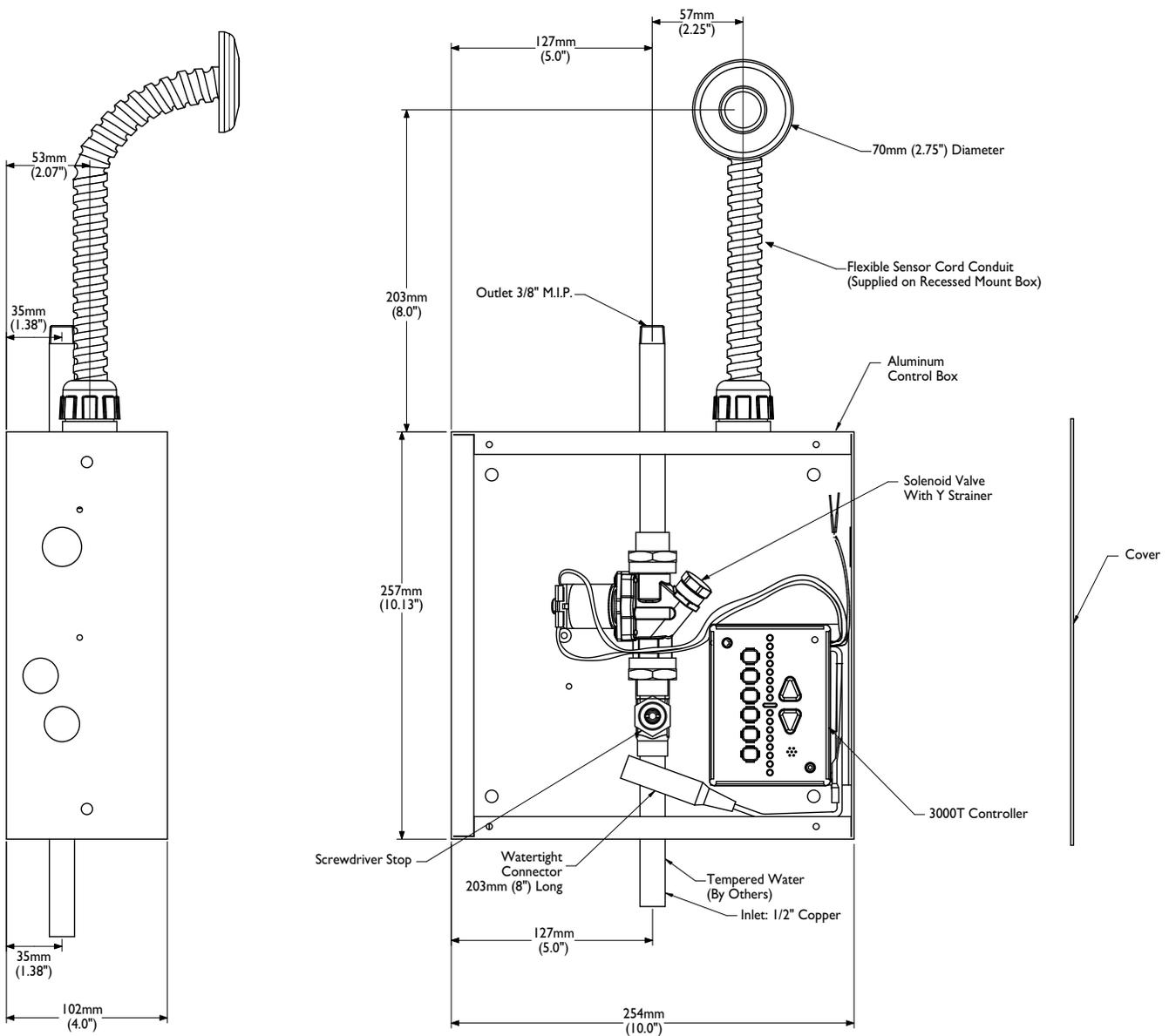


Note: Measurements may vary ± 6mm (0.25")

TEMPERED WATER - ASSEMBLED CONTROL BOX
3000T AND 300IT SERIES: ADJUSTABLE PROGRAM

✓	PRODUCT NO.				FAUCET TYPE	MOUNT TYPE	COVER		
	*3000T	3			1	Deckmount Handwash Hardwire	Recessed Mount	305mm (12")	Stainless Steel
	3000T	3			2	Deckmount Handwash Hardwire	Surface Mount	254mm (10")	Aluminum
	*300IT	3			1	Deckmount Handwash Battery	Recessed Mount	305mm (12")	Stainless Steel
	300IT	3			2	Deckmount Handwash Battery	Surface Mount	254mm (10")	Aluminum

*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.

3000T and 300IT SERIES


Note: For wallhung sink installations, sensor conduit rough-in should be directly under basin to minimize sensor cord exposure.

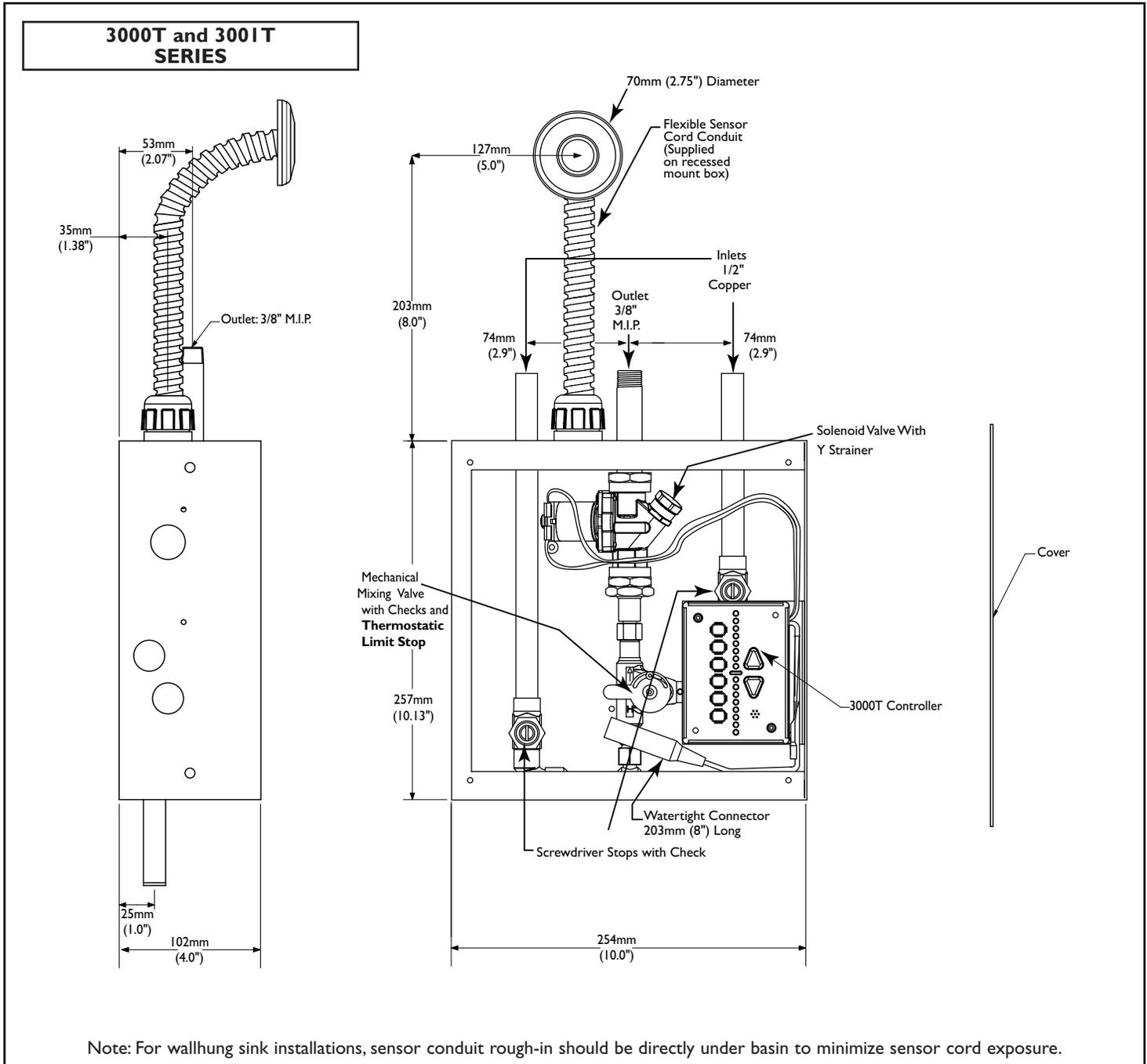
Note: Measurements may vary ± 6mm (0.25")

MECHANICAL MIXING VALVE ASSEMBLED CONTROL BOX

3000T AND 300IT SERIES: ADJUSTABLE PROGRAM

✓	PRODUCT NO.				FAUCET TYPE	MOUNT TYPE	COVER	
	*3000T	3		6	Deckmount Handwash Hardwire	Recessed Mount	305mm (12")	Stainless Steel
	3000T	3		7	Deckmount Handwash Hardwire	Surface Mount	254mm (10")	Aluminum
	*300IT	3		6	Deckmount Handwash Battery	Recessed Mount	305mm (12")	Stainless Steel
	300IT	3		7	Deckmount Handwash Battery	Surface Mount	254mm (10")	Aluminum

*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.

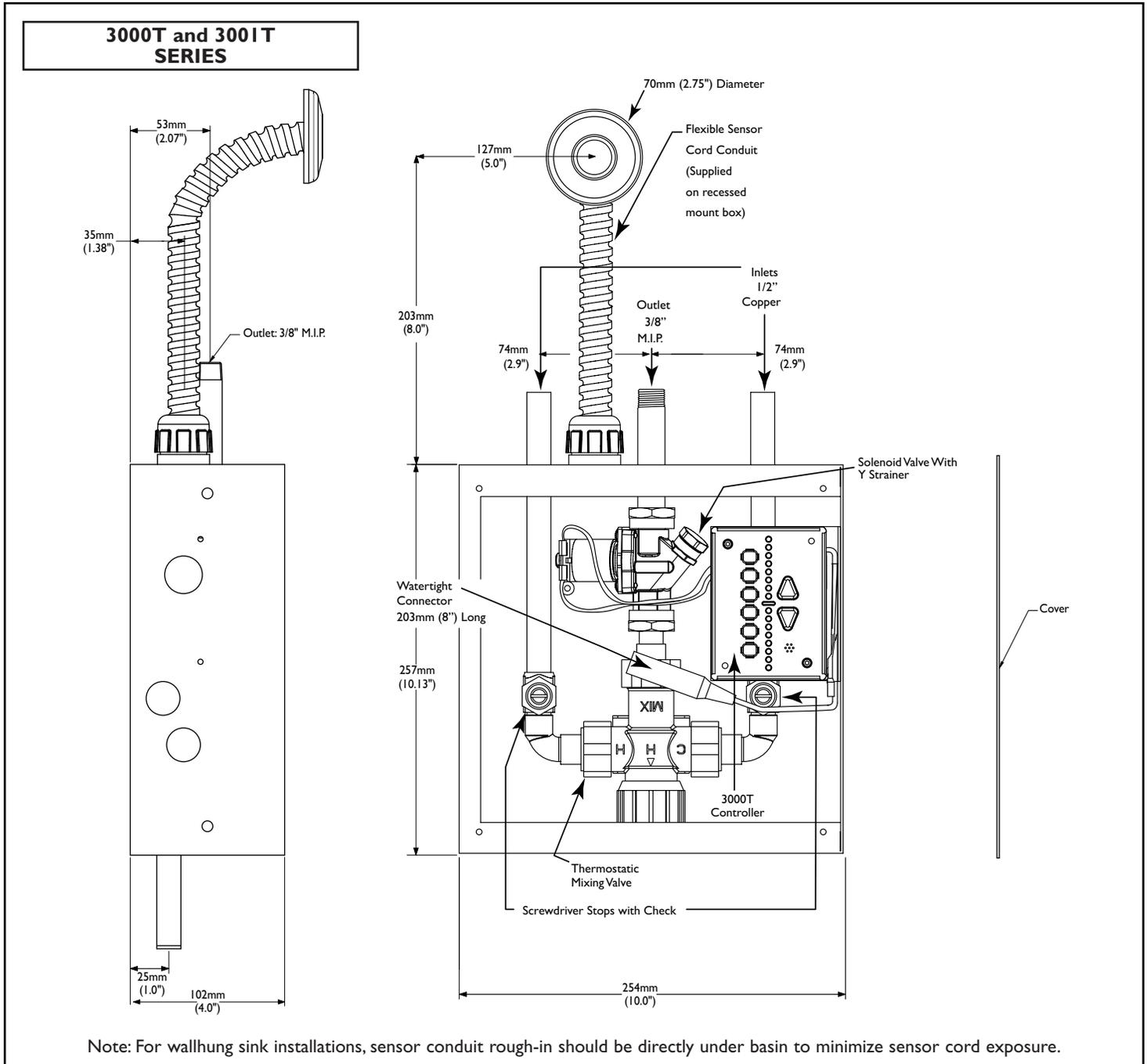


Note: Measurements may vary ± 6mm (0.25")

THERMOSTATIC MIXING VALVE ASSEMBLED CONTROL BOX
3000T AND 300IT SERIES: ADJUSTABLE PROGRAM

✓	PRODUCT NO.				FAUCET TYPE	MOUNT TYPE	COVER		
	*3000T	3			8	Deckmount Handwash Hardwire	Recessed Mount	305mm (12")	Stainless Steel
	3000T	3			9	Deckmount Handwash Hardwire	Surface Mount	254mm (10")	Aluminum
	*300IT	3			8	Deckmount Handwash Battery	Recessed Mount	305mm (12")	Stainless Steel
	300IT	3			9	Deckmount Handwash Battery	Surface Mount	254mm (10")	Aluminum

*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.

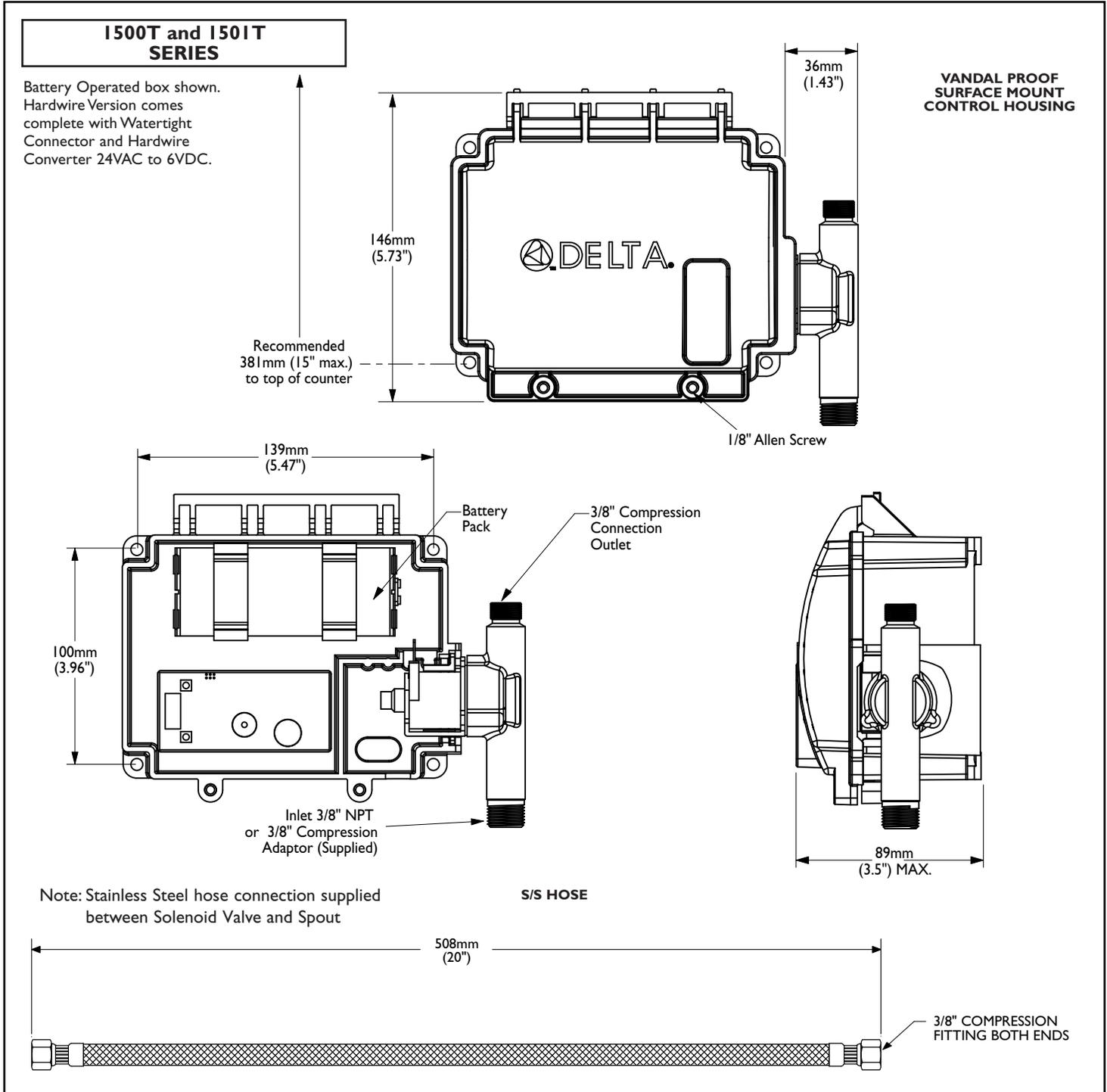


Note: Measurements may vary ± 6mm (0.25")

COMPONENTS ONLY UNASSEMBLED

1500T AND 1501T SERIES

✓	PRODUCT NO.				VALVE TYPE	COVER
	1500T	3		0	Deckmount Handwash Hardwire	Surface Mounted, Vandal Proof Control Housing
	1501T	3		0	Deckmount Handwash Battery	Surface Mounted, Vandal Proof Control Housing



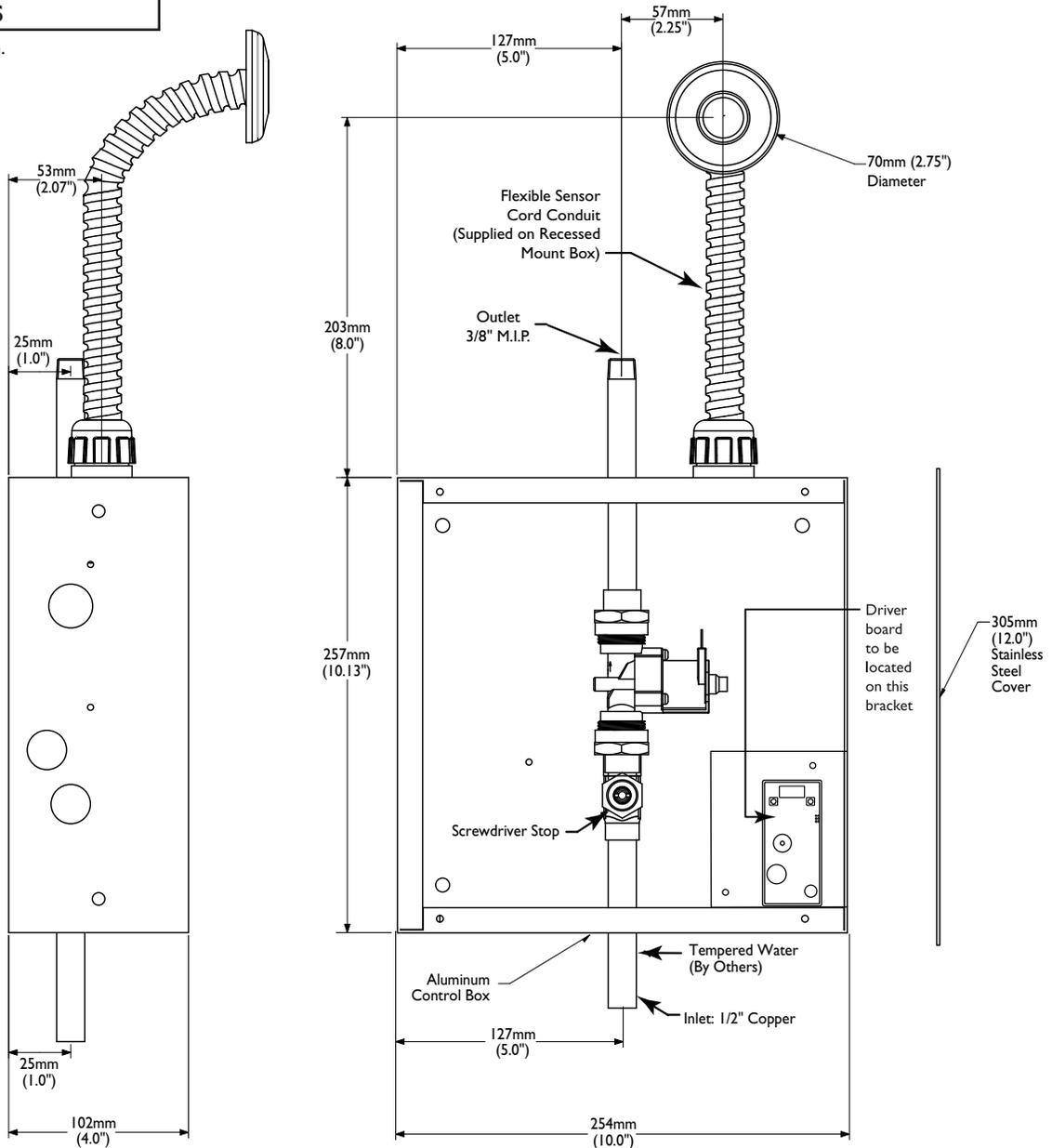
Note: Measurements may vary ± 6mm (0.25")

TEMPERED WATER - ASSEMBLED CONTROL BOX
I500T AND I501T SERIES

✓	PRODUCT NO.		FAUCET TYPE		MOUNT TYPE	COVER	
	*I500T	3		I	Deckmount Handwash Hardwire	Recessed Mount	305mm (12") Stainless Steel
	*I501T	3		I	Deckmount Handwash Battery	Recessed Mount	305mm (12") Stainless Steel
*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.							

I500T and I501T SERIES

Battery Operated box shown.
Hardwire Version comes complete with Watertight Connector and Hardwire Converter 24VAC to 6VDC.



Note: For wallhung sink installations, sensor conduit rough-in should be directly under basin to minimize sensor cord exposure.

Note: Measurements may vary ± 6mm (0.25")

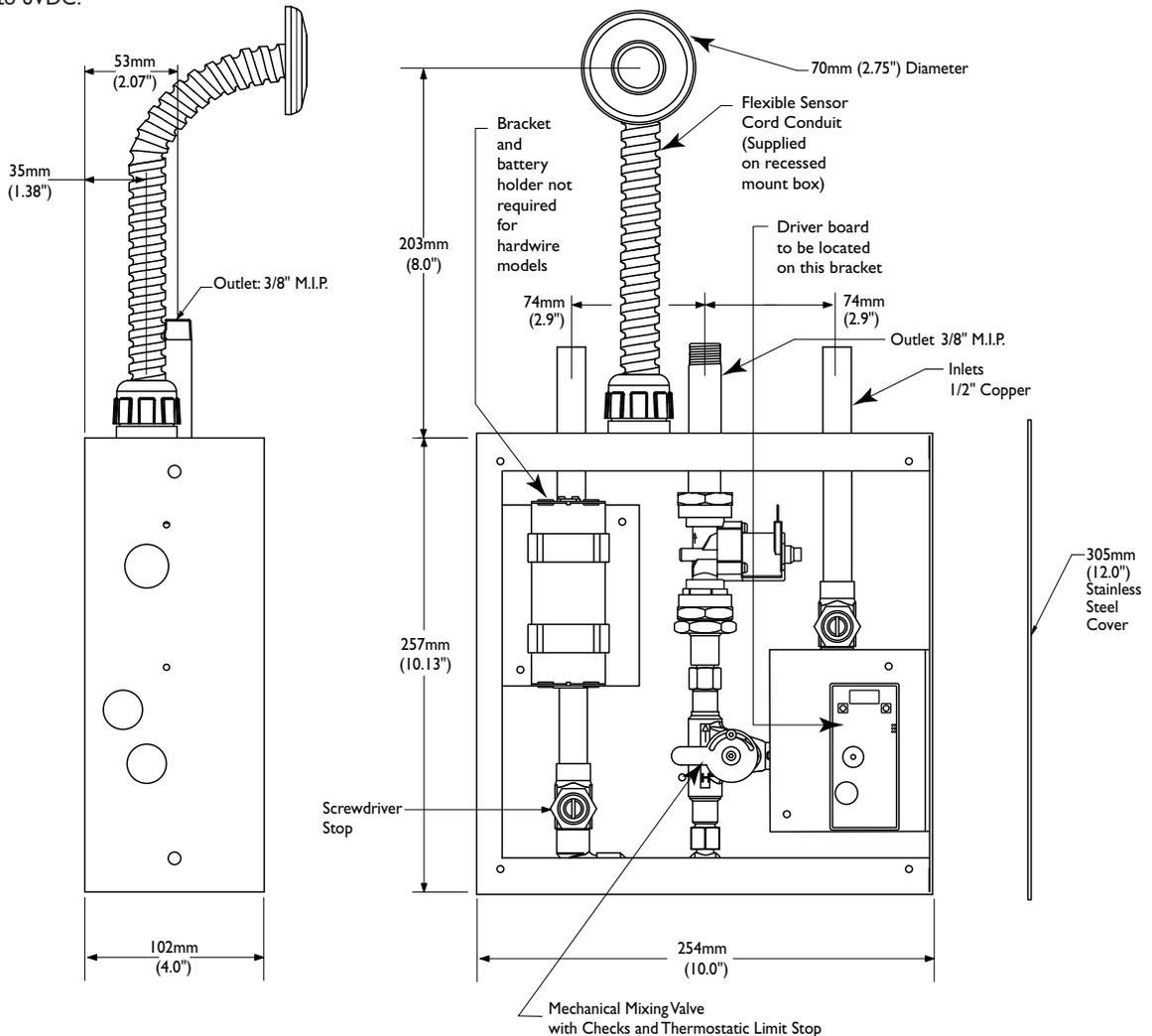
MECHANICAL MIXING VALVE ASSEMBLED CONTROL BOX

1500T AND 1501T SERIES

✓	PRODUCT NO.				FAUCET TYPE	MOUNT TYPE	COVER	
	*1500T	3		6	Deckmount Handwash Hardwire	Recessed Mount	305mm (12")	Stainless Steel
	*1501T	3		6	Deckmount Handwash Battery	Recessed Mount	305mm (12")	Stainless Steel
*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.								

1500T and 1501T SERIES

Battery Operated box shown.
 Hardwire Version comes complete with Watertight Connector and Hardwire Converter 24VAC to 6VDC.



Note: For wallhung sink installations, sensor conduit rough-in should be directly under basin to minimize sensor cord exposure.

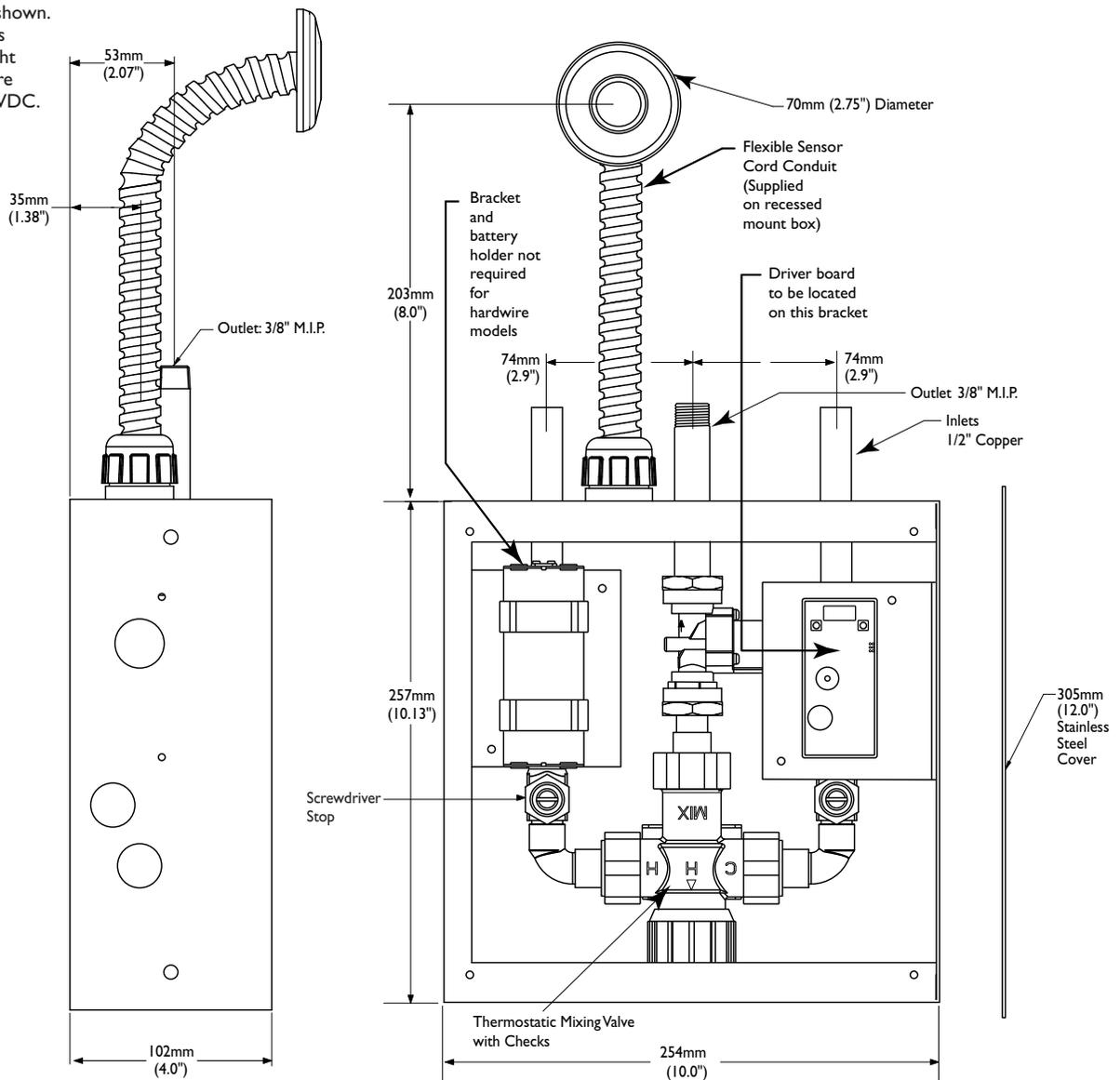
Note: Measurements may vary ± 6mm (0.25")

THERMOSTATIC MIXING VALVE ASSEMBLED CONTROL BOX
1500T AND 1501T SERIES

✓	PRODUCT NO.				FAUCET TYPE	MOUNT TYPE	COVER	
	*1500T	3		8	Deckmount Handwash Hardwire	Recessed Mount	305mm (12")	Stainless Steel
	*1501T	3		8	Deckmount Handwash Battery	Recessed Mount	305mm (12")	Stainless Steel
*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.								

1500T and 1501T SERIES

Battery Operated box shown. Hardwire Version comes complete with Watertight Connector and Hardwire Converter 24VAC to 6VDC.



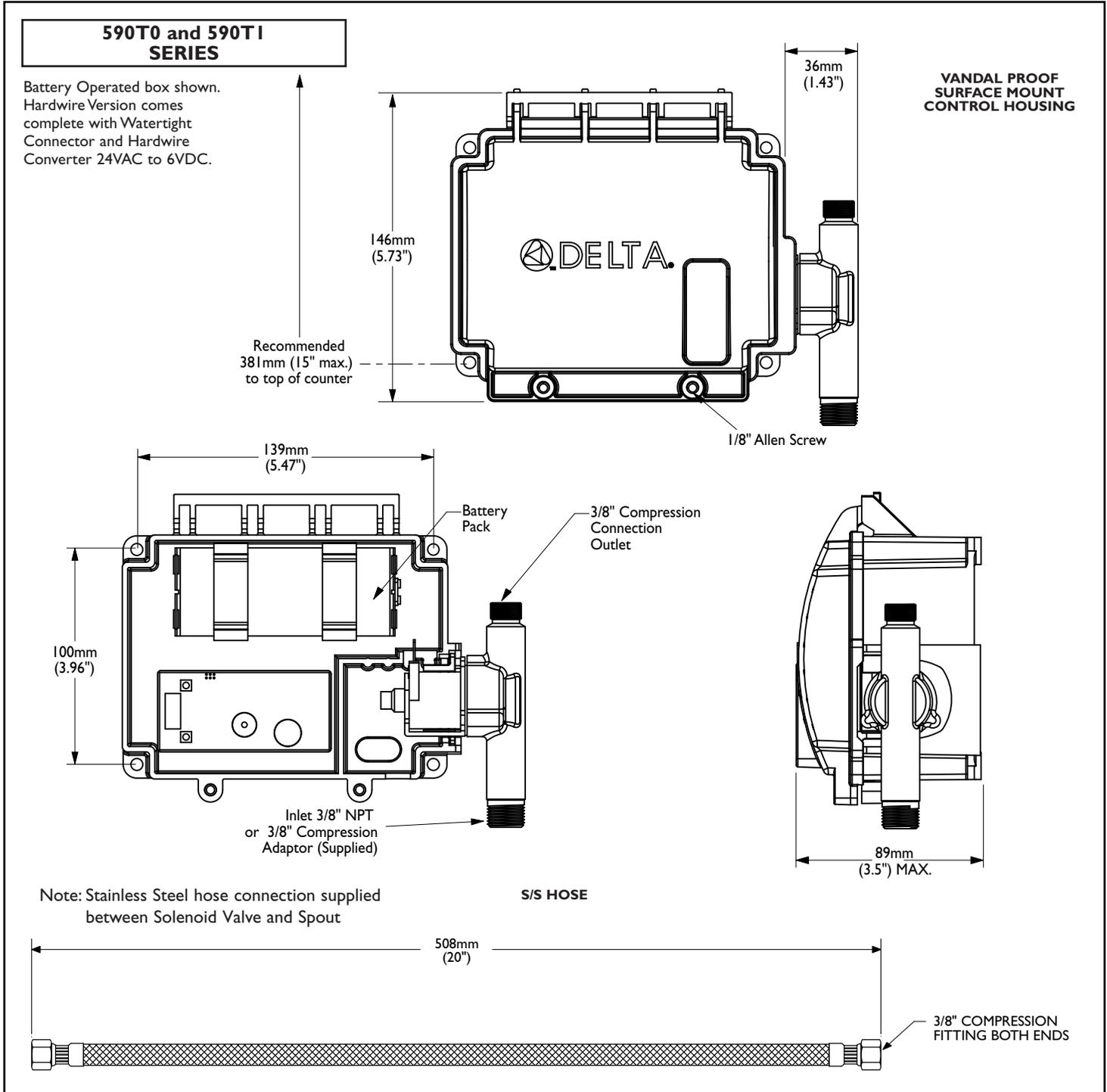
Note: For wallhung sink installations, sensor conduit rough-in should be directly under basin to minimize sensor cord exposure.

Note: Measurements may vary ± 6mm (0.25")

COMPONENTS ONLY UNASSEMBLED

590T0 AND 590T1 SERIES

✓	PRODUCT NO.			VALVE TYPE	COVER
	590T	0	0	Deckmount Handwash Hardwire	Surface Mounted, Vandal Proof Control Housing
	590T	1	0	Deckmount Handwash Battery	Surface Mounted, Vandal Proof Control Housing

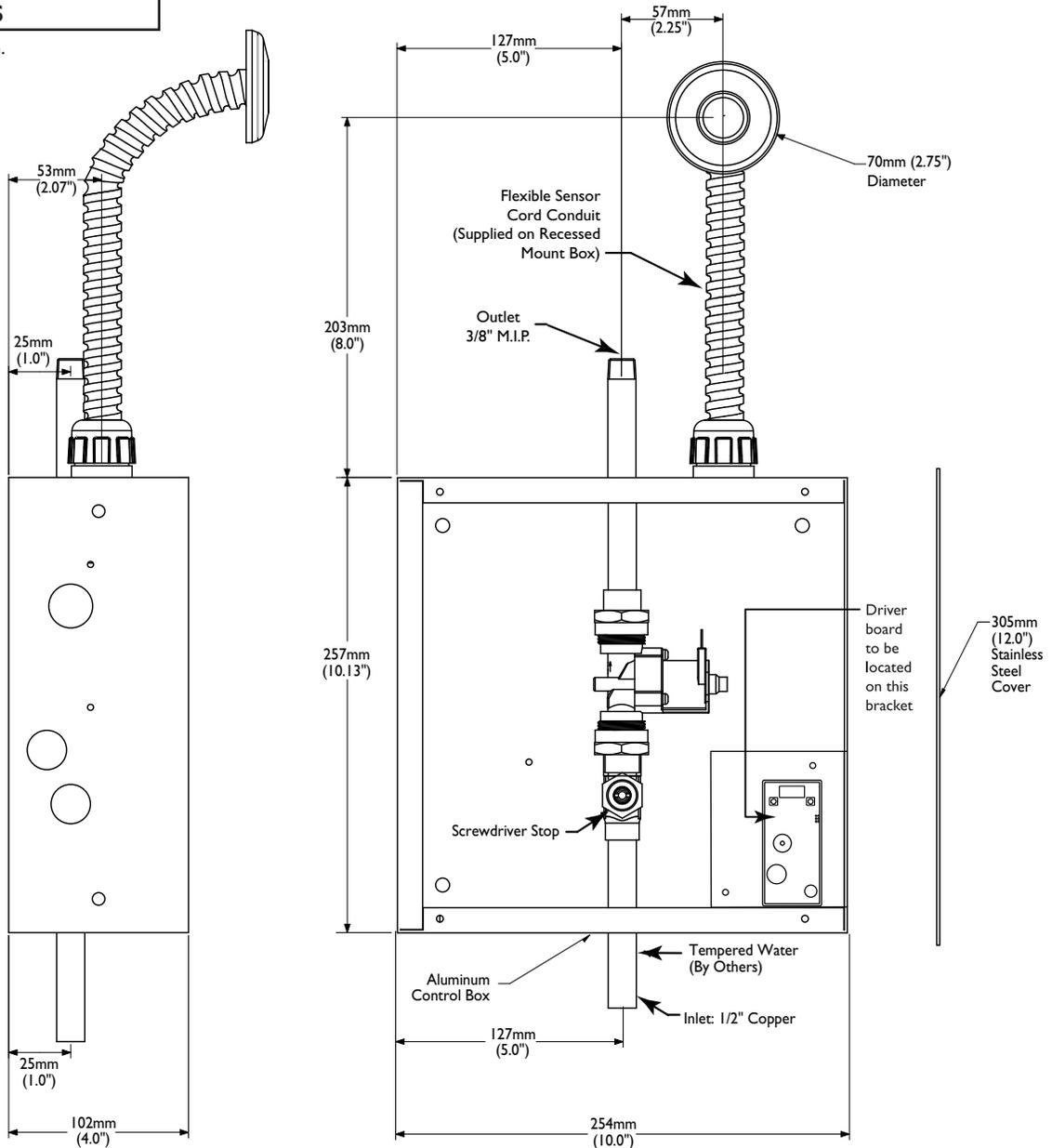


TEMPERED WATER - ASSEMBLED CONTROL BOX
590T0 AND 590TI SERIES

✓	PRODUCT NO.					FAUCET TYPE	MOUNT TYPE	COVER	
	*590T	0			I	Deckmount Handwash Hardwire	Recessed Mount	305mm (12")	Stainless Steel
	*590T	I			I	Deckmount Handwash Battery	Recessed Mount	305mm (12")	Stainless Steel
*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.									

590T0 and 590TI SERIES

Battery Operated box shown.
Hardwire Version comes complete with Watertight Connector and Hardwire Converter 24VAC to 6VDC.



Note: For wallhung sink installations, sensor conduit rough-in should be directly under basin to minimize sensor cord exposure.

Note: Measurements may vary ± 6mm (0.25")

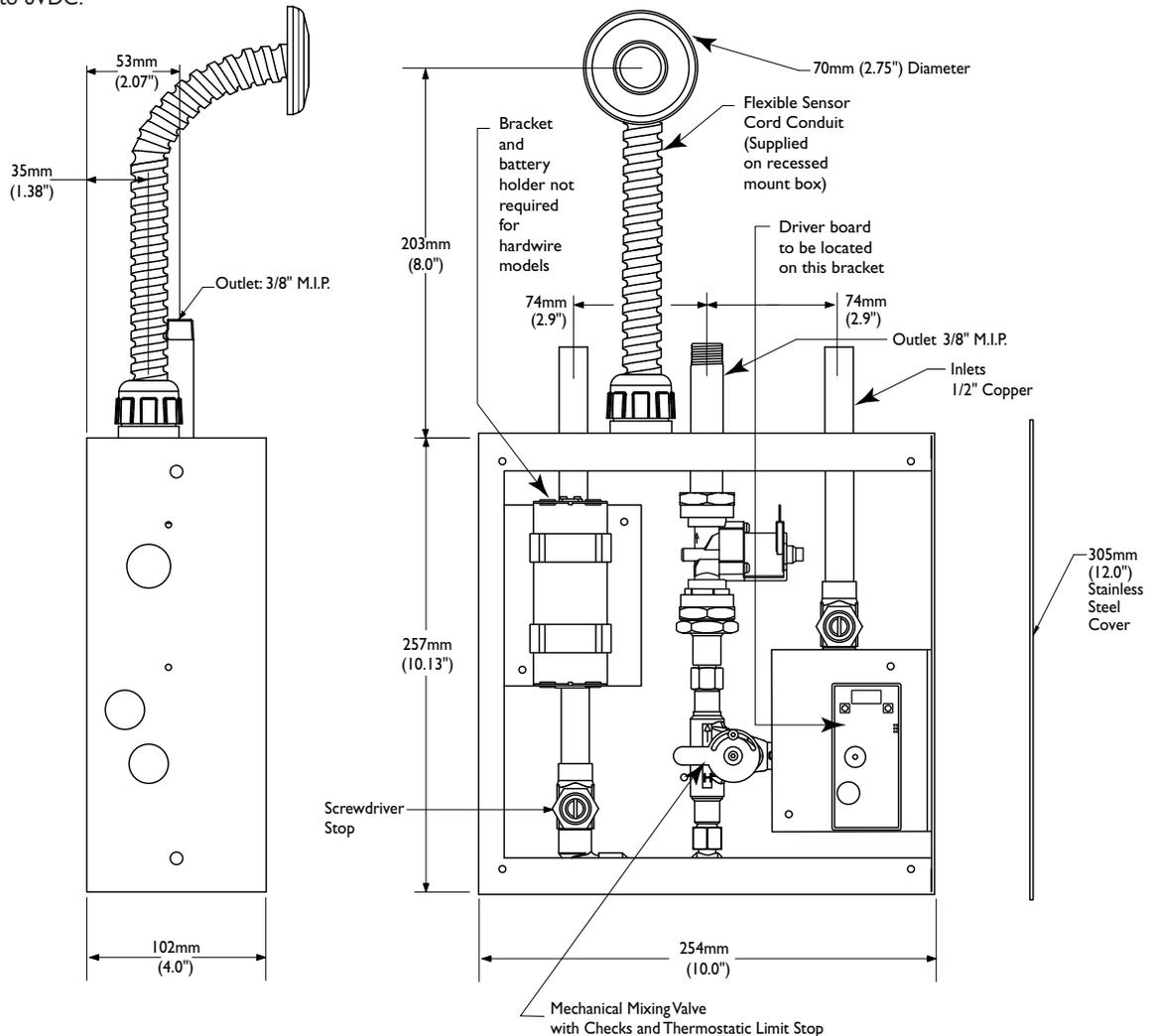
MECHANICAL MIXING VALVE ASSEMBLED CONTROL BOX

590T0 AND 590T1 SERIES

✓	PRODUCT NO.				FAUCET TYPE	MOUNT TYPE	COVER	
	*590T	0		6	Deckmount Handwash Hardwire	Recessed Mount	305mm (12")	Stainless Steel
	*590T	1		6	Deckmount Handwash Battery	Recessed Mount	305mm (12")	Stainless Steel
*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.								

590T0 and 590T1 SERIES

Battery Operated box shown.
Hardwire Version comes complete with Watertight Connector and Hardwire Converter 24VAC to 6VDC.



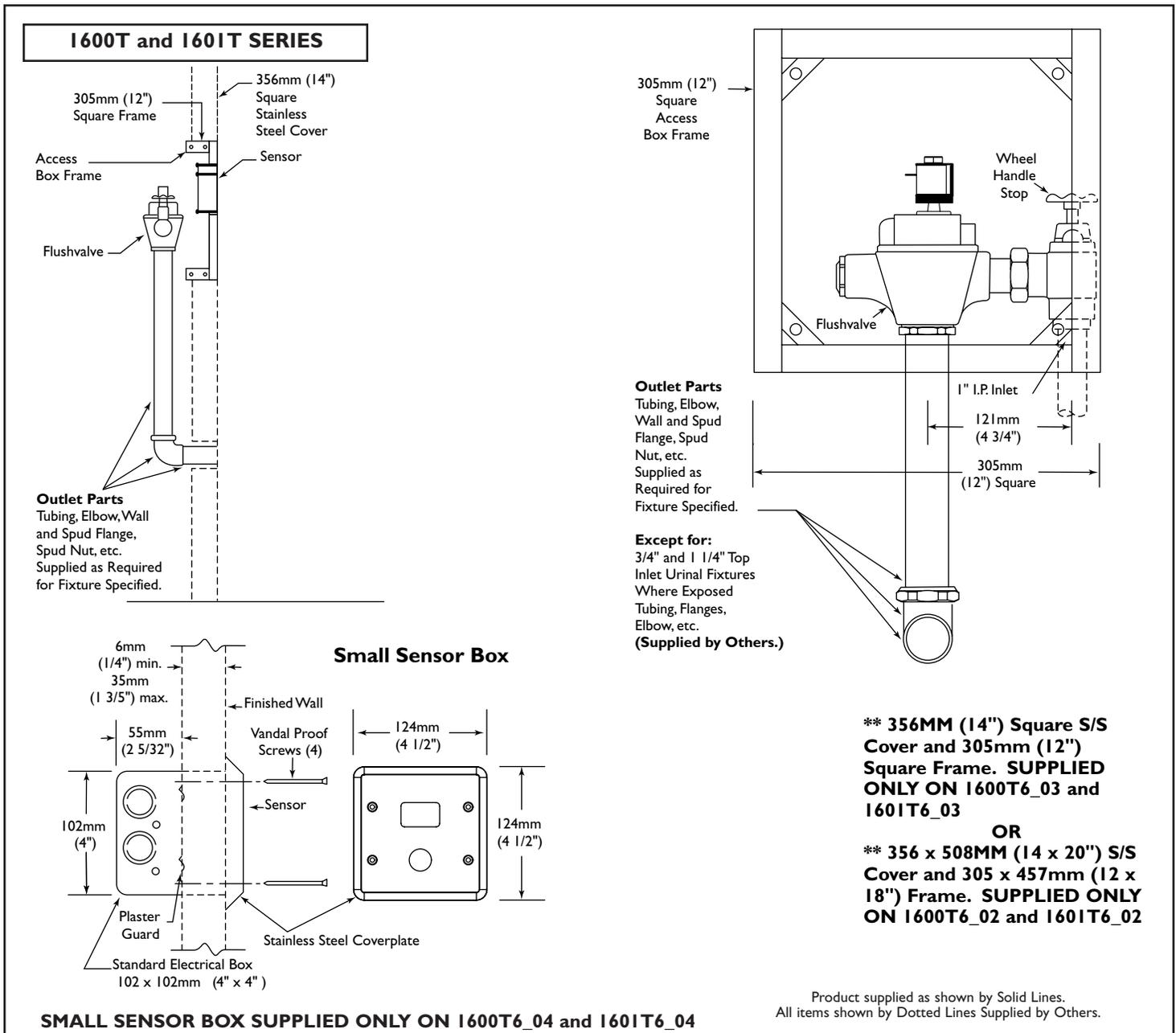
Note: For wallhung sink installations, sensor conduit rough-in should be directly under basin to minimize sensor cord exposure.

Note: Measurements may vary ± 6mm (0.25")

CONCEALED FLUSHVALVE INSTALLATION (RECESSED MOUNT)

1600T and 1601T SERIES

✓	PRODUCT NO.				VALVE TYPE	MOUNT TYPE	COVER	
	1600T	6	0	2	Flushvalve w/Access Panel Box	Recessed Mount	356 x 508mm (14 x 20")	Stainless Steel
	1600T	6	0	3	Flushvalve w/Access Panel Box	Recessed Mount	356mm (14")	Stainless Steel
	*1600T	6	0	4	Flushvalve less Access Panel Box	Recessed Mount	124mm (4-7/8")	Stainless Steel
	1601T	6	0	2	Flushvalve w/Access Panel Box	Recessed Mount	356 x 508mm (14 x 20")	Stainless Steel
	1601T	6	0	3	Flushvalve w/Access Panel Box	Recessed Mount	356mm (14")	Stainless Steel
	*1601T	6	0	4	Flushvalve less Access Panel Box	Recessed Mount	124mm (4-7/8")	Stainless Steel
*This product is supplied with the Small Sensor Box.						Note: Rough-in and Trim Ordered Separately		



Note: Measurements may vary ± 6mm (0.25")

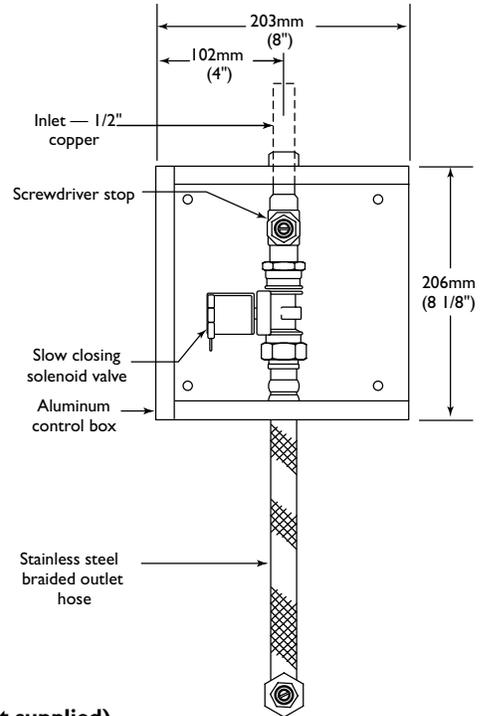
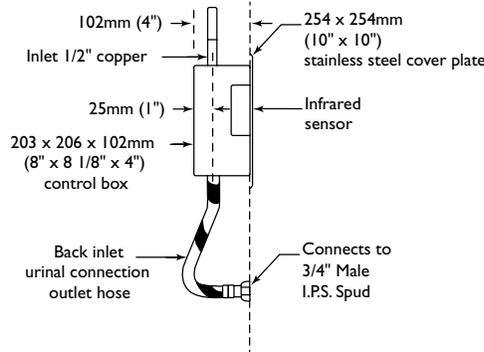
URINAL VALVE ASSEMBLED CONTROL BOX (RECESSED MOUNT)

1600T and 1601T SERIES

✓	PRODUCT NO.					VALVE TYPE	MOUNT TYPE	COVER	
	1600T	9	0	0	1	Back Inlet Urinal	Recessed Mount	254mm (10")	Stainless Steel
	1600T	9	0	0	3	Top Inlet Urinal	Recessed Mount	254mm (10")	Stainless Steel
	1601T	9	0	0	1	Back Inlet Urinal	Recessed Mount	254mm (10")	Stainless Steel
	1601T	9	0	0	3	Top Inlet Urinal	Recessed Mount	254mm (10")	Stainless Steel

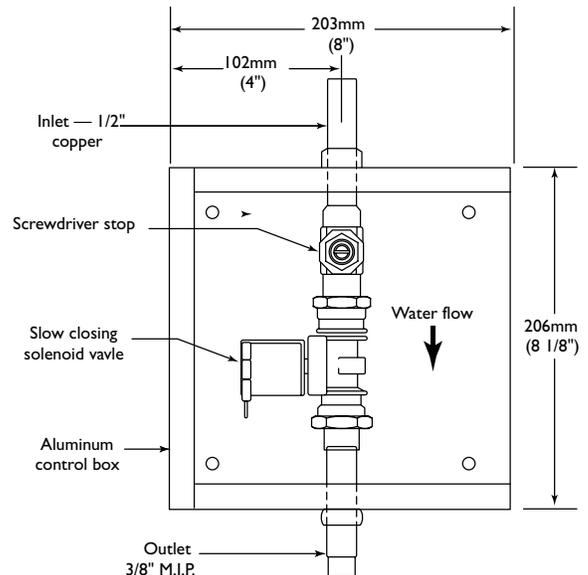
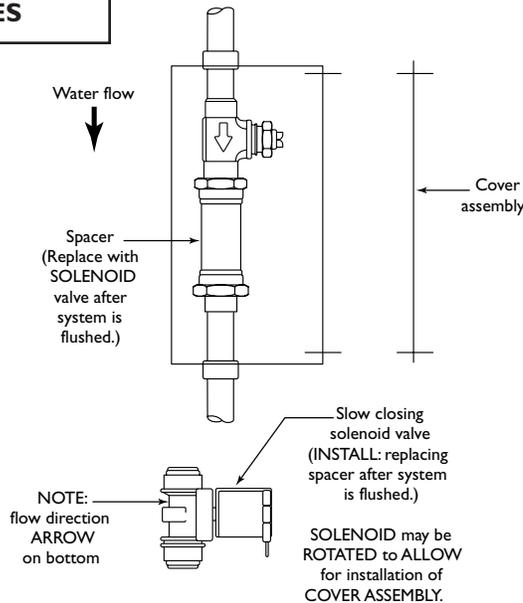
Note: Rough-in and Trim Ordered Separately

1600T9001 and 1601T9001 SERIES



1600T9003 and 1601T9003 SERIES

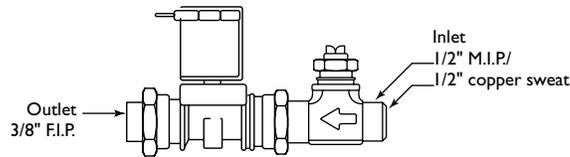
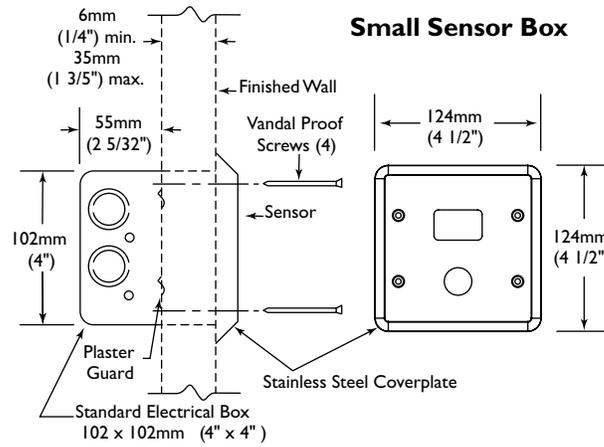
(Note: Top inlet urinal connections not supplied)



Note: Measurements may vary ± 6mm (0.25")

COMPONENTS ONLY UNASSEMBLED
I600T and I601T SERIES

✓	PRODUCT NO.					FAUCET TYPE	COVER	
	I600T	9	0	0	6	Urinal Valve	124mm (4-7/8")	Stainless Steel
	I601T	9	0	0	6	Urinal Valve	124mm (4-7/8")	Stainless Steel
Note: Ordered as complete product only. No RI or TR available.								

**I600T9006 and
I601T9006
SERIES**

Slow closing solenoid valve AND Screwdriver stop

 Note: Measurements may vary $\pm 6\text{mm}$ (0.25")

Electronic Exposed TECK® Flush Valves

TECK®

DELTA
COMMERCIAL

81T201BT

- Exposed Battery Operated 1-1/2" Top Inlet Closet Fixture

- Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation battery powered infrared sensor
- Scratch resistant lens window
- Four (4) size AA alkaline batteries factory installed with valve in sleep mode for easy installation
- Low battery flashing light (5000 flushes remaining)
- Infrared sensor range adjustment of 610mm-1067mm (24" - 42"), factory set at 36" (±2")
- Optional 24 hour automatic flush factory set to off, 3 second flush delay
- Set-up sensor range adjustment indicator light, solid state electronics
- 6 VDC input, 5 second arming delay, 8° upward beam
- Electronic operated non-hold-open **metal** manual override button with 5 second lockout
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment**, factory set at 60 PSI to 6 litre (1.6 US gal.) (except -6 model)
- **1" FIP/Copper sweat inlet adaptor**, angle check stop with protecting cap
- Adjustable 121mm (4-3/4") plus or minus 11mm (7/16") inlet/valve outlet centers
- Vacuum breaker
- Cover tube, stainless steel wall flange, spud flange, concealed spud nut, and 292mm (11-1/2") outlet tube.

81T201-6BT

Same as 81T201BT,
but **Not Field Adjustable**

81T221BT

Same as 81T201BT,
but with 610 mm (24") outlet tube

Approvals:

- CSA certified
- Complies to ASSE 1037
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed

(Contact Delta Representative for State and/or Local Approvals.)

U.S. Patent # 6, 826, 455



Engineer/Architect Approval

Model Specified:

Approval:

Date:



81T201BT

Electronic Exposed TECK® II Flush Valve Retrofit Kits

81T201-20BT

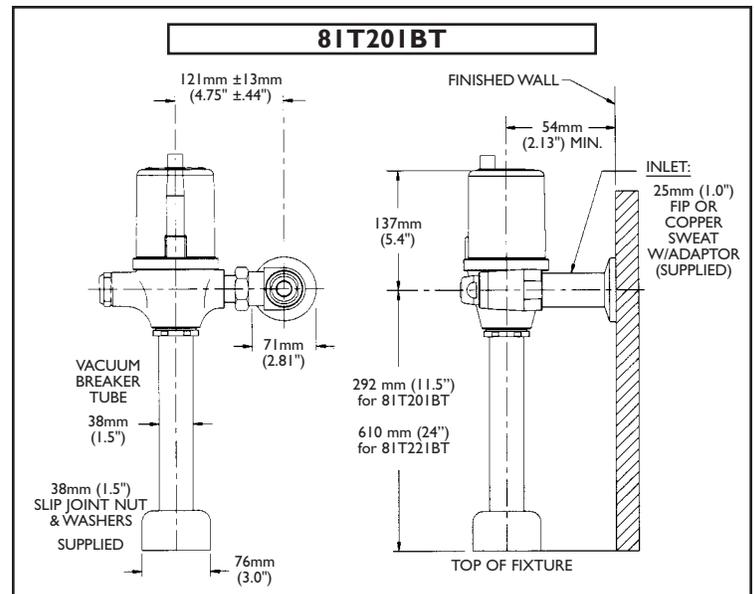
Same as 81T201BT, but LESS stop, cover tube and wall flange.

81T201-20-13BT

Same as 81T201-20BT, but **external water conserving flush adjustment** factory set at 60 PSI to 13 litre (3.4 US gal.)

81T201-20-6BT

Same as 81T201-6BT, but LESS stop, cover tube and wall flange, **Not Field Adjustable**.



Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.

Note: Measurements may vary ± 6mm (0.25")

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

□ **81T201-30BT**
- Exposed Battery Operated
1-1/2" Top Inlet Closet Fixture
LESS STOP, WITH MODIFIED TAIL TO FIT SLOAN®/ZURN® STOP

- Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation battery powered infrared sensor
- Scratch resistant lens window
- Four (4) size AA alkaline batteries factory installed with valve in sleep mode for easy installation
- Low battery flashing light (5000 flushes remaining)
- Infrared sensor range adjustment of 610mm-1067mm (24" - 42"), factory set at 36" (±2")
- Optional 24 hour automatic flush factory set to off, 3 second flush delay
- Set-up sensor range adjustment indicator light, solid state electronics
- 6 VDC input, 5 second arming delay, 8° upward beam
- Electronic operated non-hold-open **metal** manual override button with 5 second lockout
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment**, factory set at 60 PSI to 6 litre (1.6 US gal.) (except -6 model)
- Adjustable 114mm to 131mm (4.5" to 5.18") inlet/valve outlet centers
- Vacuum breaker
- Spud flange, concealed spud nut, and 292mm (11-1/2") outlet tube.

□ **81T201-30-13BT**
 Same as 81T201-30BT, but **external water conserving flush adjustment** factory set at 60 PSI to 13 litre (3.4 US gal.)

□ **81T201-30-6BT**
 Same as 81T201-30BT, but **Not Field Adjustable**

Approvals:

- CSA certified
- Complies to ASSE 1037
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed

(Contact Delta Representative for State and/or Local Approvals.)

U.S. Patent # 6, 826, 455



Engineer/Architect Approval

Model Specified:

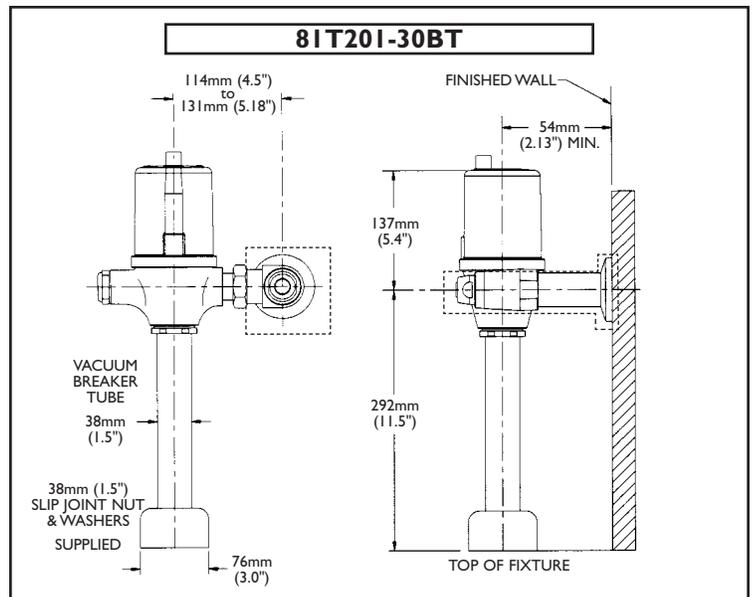
Approval:

Date:



81T201-30BT

Items shown outlined by dotted lines supplied by others.



Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.

Note: Measurements may vary ± 6mm (0.25")

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

Electronic Exposed TECK® Flush Valves

TECK®

DELTA
COMMERCIAL

81T201HW

- Exposed Hard Wire Operated 1-1/2" Top Inlet Closet Fixture

- Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation hard wire powered infrared sensor
- Scratch resistant lens window
- Infrared sensor range adjustment of 610mm-1067mm (24" - 42"), factory set at 36" (±2")
- Hardwire adaptor
- Vandal resistant copper tube conduit
- Optional 24 hour automatic flush factory set to off, 3 second flush delay
- Set-up sensor range adjustment indicator light, solid state electronics
- 24 VAC input, 5 second arming delay, 8° upward beam
- Electronic operated non-hold-open **metal** manual override button with 5 second lockout
- (110 to 24 VAC Transformer not included. See selection below for additional part number.)
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment**, factory set at 60 PSI to 6 litre (1.6 US gal.) (except -6 model)
- **1" FIP/Copper sweat inlet adaptor**, angle check stop with protecting cap
- Adjustable 121mm (4-3/4") plus or minus 11mm (7/16") inlet/valve outlet centers
- Vacuum breaker
- Cover tube, stainless steel wall flange, spud flange, concealed spud nut, and 292mm (11-1/2") outlet tube

81T201-6HW

Same as 81T201HW,
but **Not Field Adjustable**

81T221HW

Same as 81T201HW,
but with 610 mm (24") outlet tube.

- (110 to 24 VAC Transformer not included. See selection below for additional part number.)

Approvals:

- CSA certified
- Complies to ASSE 1037
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed

(Contact Delta Representative for State and/or Local Approvals.)

U.S. Patent # 6, 826, 455



Engineer/Architect Approval

Model Specified:

Approval:

Date:



81T201HW

Electronic Exposed TECK® II Flush Valve Retrofit Kits

81T201-20HW

Same as 81T201HW, but LESS stop, cover tube and wall flange.

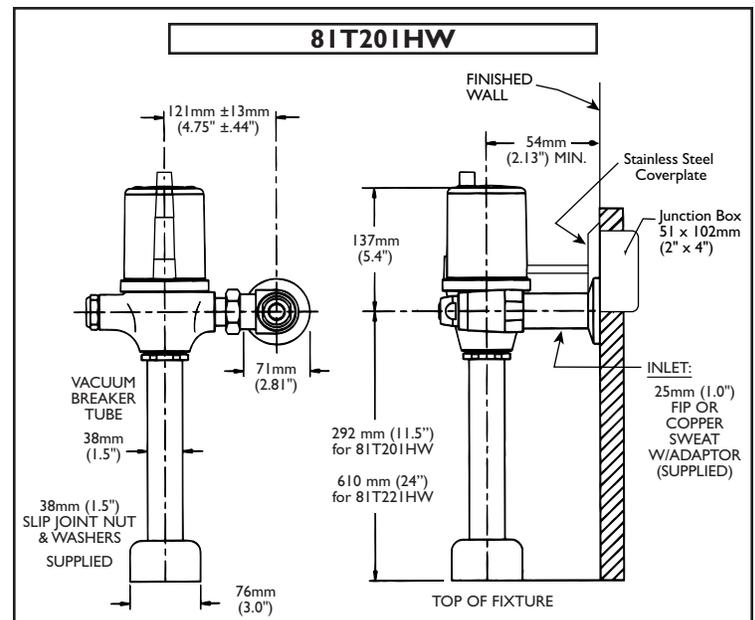
81T201-20-13HW

Same as 81T201-20HW, but **external water conserving flush adjustment** factory set at 60 PSI to 13 litre (3.4 US gal.)

81T201-20-6HW

Same as 81T201-6HW, but LESS stop, cover tube and wall flange, **Not Field Adjustable**

✓	TRANSFORMERS:	
060704A	110 to 24VAC Class II 20VA	(for up to 10 Electronic Valves)
060771A	110 to 24VAC Class II 40VA	(up to 20 Electronic Valves)
060772A	110 to 24VAC Class II 100VA	(up to 50 Electronic Valves)



Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.

Note: Measurements may vary ± 6mm (0.25")

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

❑ **81T201-30HW**
- Exposed Hard Wire Operated
1-1/2" Top Inlet Closet Fixture
LESS STOP, WITH MODIFIED TAIL TO FIT SLOAN®/ZURN® STOP

- Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation hard wire powered infrared sensor
- Scratch resistant lens window
- Infrared sensor range adjustment of 610mm-1067mm (24" - 42"), factory set at 36" (±2")
- Hardwire adaptor
- Vandal resistant copper tube conduit
- Optional 24 hour automatic flush factory set to off, 3 second flush delay
- Set-up sensor range adjustment indicator light, solid state electronics
- 24 VAC input, 5 second arming delay, 8° upward beam
- Electronic operated non-hold-open **metal** manual override button with 5 second lockout
- (110 to 24 VAC Transformer not included. See selection below for additional part number.)
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment**, factory set at 60 PSI to 6 litre (1.6 US gal.) (except -6 model)
- Adjustable 114mm to 131mm (4.5" to 5.18") inlet/valve outlet centers
- Vacuum breaker
- Spud flange, concealed spud nut, and 292mm (11-1/2") outlet tube

❑ **81T201-30-13HW**
 Same as 81T201-30HW, but **external water conserving flush adjustment** factory set at 60 PSI to 13 litre (3.4 US gal.)

❑ **81T201-30-6HW**
 Same as 81T201-30HW, but **Not Field Adjustable**

- (110 to 24 VAC Transformer not included. See selection below for additional part number.)

✓	TRANSFORMERS:	
	060704A	110 to 24VAC Class II 20VA (for up to 10 Electronic Valves)
	060771A	110 to 24VAC Class II 40VA (up to 20 Electronic Valves)
	060772A	110 to 24VAC Class II 100VA (up to 50 Electronic Valves)

Note: Measurements may vary ± 6mm (0.25")

Refer to www.specselect.com for individual models.

Approvals:

- CSA certified
- Complies to ASSE 1037
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed

(Contact Delta Representative for State and/or Local Approvals.)

U.S. Patent # 6, 826, 455



Engineer/Architect Approval

Model Specified:

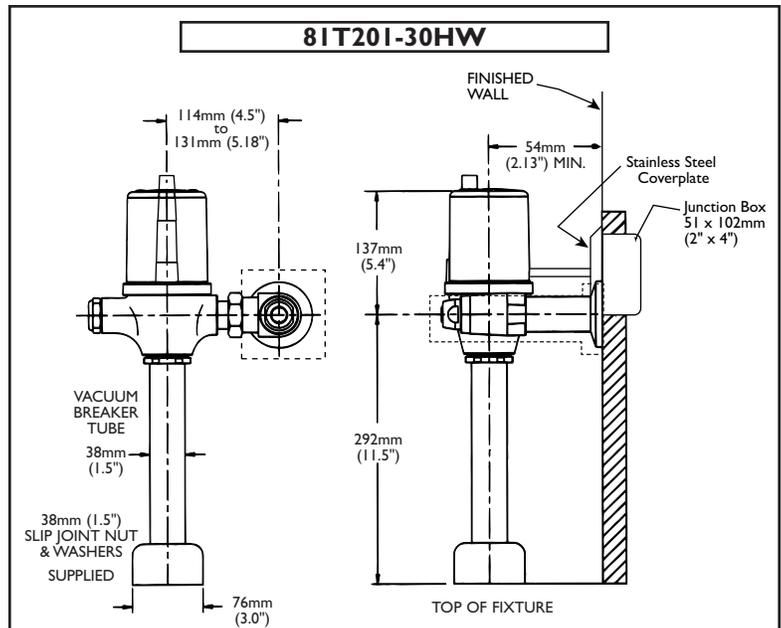
Approval:

Date:



81T201-30HW

Items shown by dotted lines supplied by others.



Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.

Note: Use this page as a product submittal sheet.

Electronic Exposed TECK® Flush Valves

TECK®

DELTA
COMMERCIAL

81T201-WMSBT - Exposed Battery Operated 1-1/2" Top Inlet Closet Fixture

- Polished chrome plated vandal resistant metal cover with 4" wallmount sensor
- Right or left-hand supply installation
- ADA compliant, automatic operation battery powered H₂OPTICS™ technology infrared sensor
- Four (4) 'C' cell batteries
- Low battery level indicator (5000 flushes remaining)
- Infrared sensor range adjustment of 610mm-1422mm (24" - 56") in 8" increments, factory set at 40" (±2")
- Vandal resistant copper tube conduit
- 24 hour courtesy flush factory set to off
- 6 VDC input
- Electronic manual override button
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment**, factory set at 60 PSI to 6 litre (1.6 US gal.) (except -6 model)
- **1" FIP/Copper sweat inlet adaptor**, angle check stop with protecting cap
- Adjustable 121mm (4-3/4") plus or minus 11mm (7/16") inlet/valve outlet centers
- Vacuum breaker
- Cover tube, stainless steel wall flange, spud flange, concealed spud nut, and 292mm (11-1/2") outlet tube.

81T201-6-WMSBT Same as 81T201-WMSBT, but **Not Field Adjustable**



81T201-WMSBT

Approvals:

- CSA certified
 - Complies to ASSE 1037
 - ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
 - IAPMO listed
- (Contact Delta Representative for State and/or Local Approvals.)

Engineer/Architect Approval

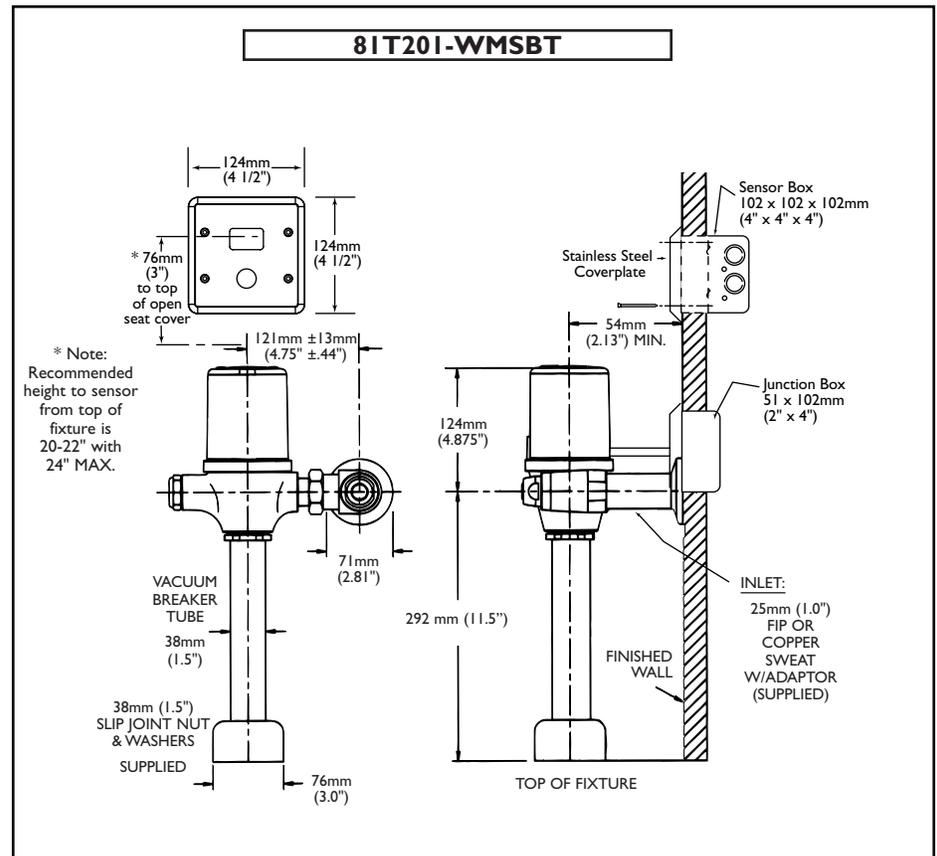
Model Specified:

Approval:

Date:



H₂OPTICS™



Note: Measurements may vary ± 6mm (0.25")

Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

❑ **81T201-WMSHW**
- Exposed Hard Wire Operated
1-1/2" Top Inlet Closet Fixture

- Polished chrome plated vandal resistant metal cover with 4" wallmount sensor
- Right or left-hand supply installation
- ADA compliant, automatic operation hard wire powered H₂OPTICS™ technology infrared sensor
- Infrared sensor range adjustment of 610mm-1422mm (24" - 56"), in 8" increments, factory set at 40" (±2")
- Hardwire adaptor
- Vandal resistant copper tube conduit
- 24 hour courtesy flush factory set to off
- 24 VAC input
- Electronic manual override button
- (110 to 24 VAC Transformer not included. See selection below for additional part number.)
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment**, factory set at 60 PSI to 6 litre (1.6 US gal.) (except -6 model)
- **1" FIP/Copper sweat inlet adaptor**, angle check stop with protecting cap
- Adjustable 121mm (4-3/4") plus or minus 11mm (7/16") inlet/valve outlet centers
- Vacuum breaker
- Cover tube, stainless steel wall flange, spud flange, concealed spud nut, and 292mm (11-1/2") outlet tube

❑ **81T201-6-WMSHW**
Same as 81T201-WMSHW,
but **Not Field Adjustable**



81T201-WMSHW

✓	TRANSFORMERS:	
	060704A	110 to 24VAC Class II 20VA (for up to 5 Sensor Modules)
	060771A	110 to 24VAC Class II 40VA (up to 10 Sensor Modules)
	060772A	110 to 24VAC Class II 100VA (up to 25 Sensor Modules)

Note: Measurements may vary ± 6mm (0.25")

Refer to www.specselect.com for individual models.

Approvals:

- CSA certified
 - Complies to ASSE 1037
 - ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
 - IAPMO listed
- (Contact Delta Representative for State and/or Local Approvals.)

Engineer/Architect Approval

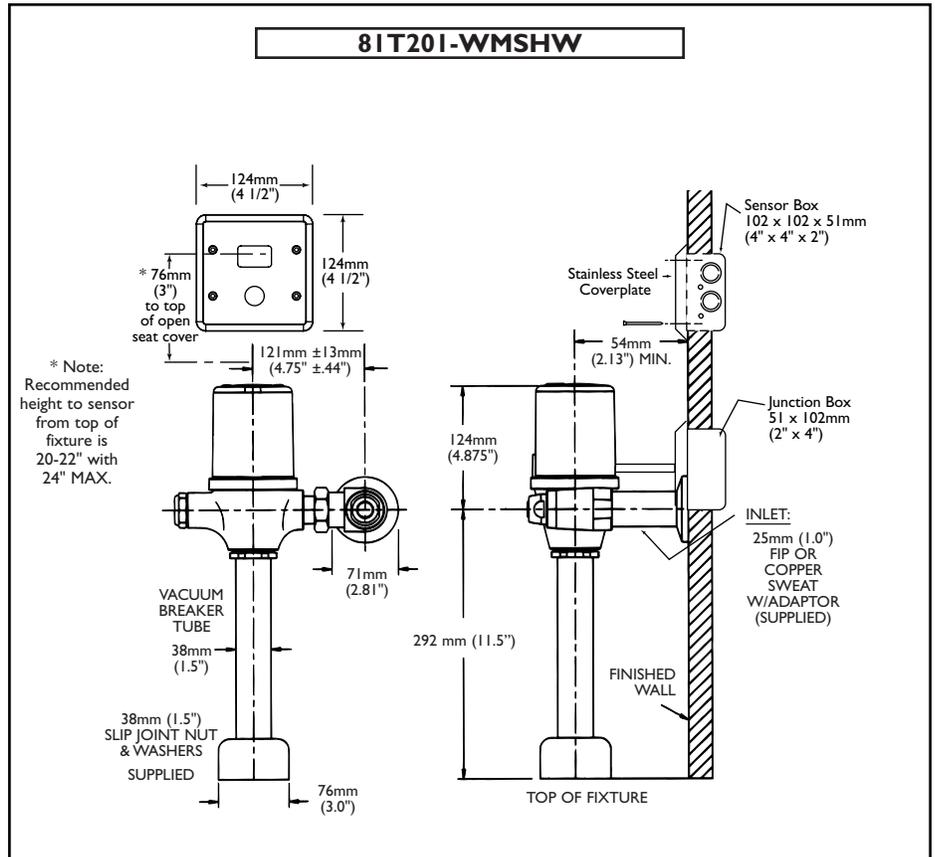
Model Specified:

Approval:

Date:



H₂OPTICS™



Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.

Note: Use this page as a product submittal sheet.

Electronic Exposed TECK® Flush Valves

TECK®

DELTA
COMMERCIAL

81T231BT

- Exposed Battery Operated 3/4" Top Inlet Urinal Fixture

- Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation battery powered infrared sensor
- Scratch resistant lens window
- Four (4) size AA alkaline batteries factory installed with valve in sleep mode for easy installation
- Low battery flashing light (5000 flushes remaining)
- Infrared sensor range adjustment of 457mm-914mm (18" - 36"), factory set at 24" (±2")
- Optional 24 hour automatic flush factory set to on
- Set-up sensor range adjustment indicator light, solid state electronics
- 6 VDC input, 5 second arming delay, 8° downward beam
- Electronic operated non-hold-open **metal** manual override button with 5 second lockout
- Quiet action, TECK® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment**, factory set at 60 PSI to 2.7 litre (.70 US gal.)
- **1" FIP / 3/4" copper sweat inlet adaptor**, angle check stop with protecting cap
- Adjustable 121mm (4-3/4") plus or minus 11mm (7/16") inlet/valve outlet centers
- Vacuum breaker
- Cover tube, stainless steel wall flange, spud flange, spud nut, and 330mm (13") outlet tube.

Approvals:

- CSA certified
- Complies to ASSE 1037
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed

(Contact Delta Representative for State and/or Local Approvals.)

U.S. Patent # 6, 826, 455



Engineer/Architect Approval

Model Specified:

Approval:

Date:

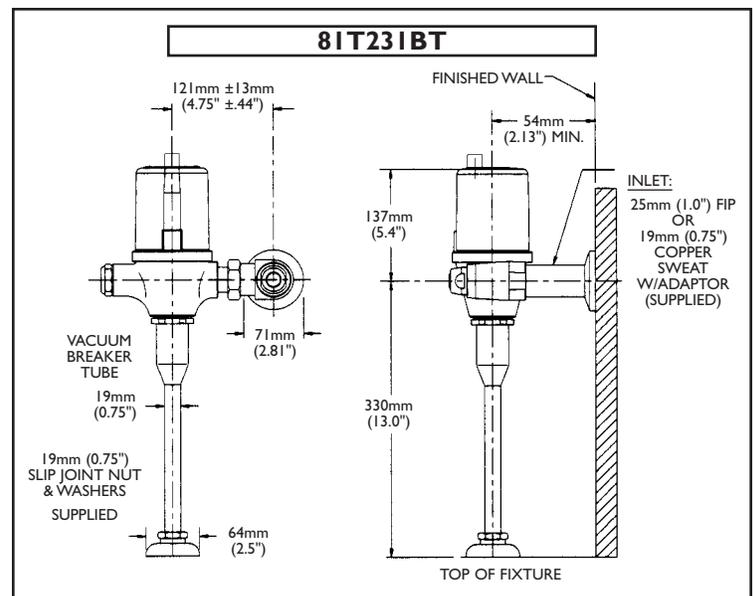


81T231BT

Electronic Exposed TECK® II Flush Valve Retrofit Kits

81T231-20BT

Same as 81T231BT, but LESS stop, cover tube and wall flange.



Note: Measurements may vary ± 6mm (0.25")

Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

□ **81T231-30BT**

**- Exposed Battery Operated
3/4" Top Inlet Urinal Fixture**

LESS STOP, WITH MODIFIED TAIL TO FIT SLOAN®/ZURN® STOP

- Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation battery powered infrared sensor
- Scratch resistant lens window
- Four (4) size AA alkaline batteries factory installed with valve in sleep mode for easy installation
- Low battery flashing light (5000 flushes remaining)
- Infrared sensor range adjustment of 457mm-914mm (18" - 36"), factory set at 24" (±2")
- Optional 24 hour automatic flush factory set to on
- Set-up sensor range adjustment indicator light, solid state electronics
- 6 VDC input, 5 second arming delay, 8° downward beam
- Electronic operated non-hold-open **metal** manual override button with 5 second lockout
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment**, factory set at 60 PSI to 2.7 litre (.70 US gal.)
- Adjustable 114mm to 131mm (4.5" to 5.18") inlet/valve outlet centers
- Vacuum breaker
- Spud flange, spud nut, and 330mm (13") outlet tube

Approvals:

- CSA certified
- Complies to ASSE 1037
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed

(Contact Delta Representative for State and/or Local Approvals.)

U.S. Patent # 6, 826, 455



Engineer/Architect Approval

Model Specified:

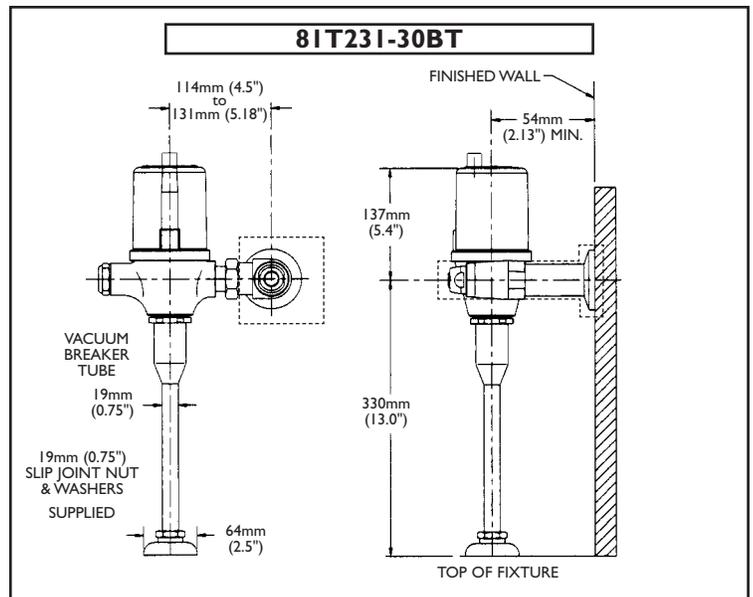
Approval:

Date:



81T231-30BT

Items shown outlined by dotted lines supplied by others.



Note: Measurements may vary ± 6mm (0.25")

Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

Electronic Exposed TECK® Flush Valves

TECK®

DELTA
COMMERCIAL

81T231HW

- Exposed Hard Wire Operated 3/4" Top Inlet Urinal Fixture

- Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation hard wire powered infrared sensor
- Scratch resistant lens window
- Infrared sensor range adjustment of 457mm-914mm (18" - 36"), factory set at 24" (±2")
- Hardwire adaptor
- Vandal resistant copper tube conduit
- Optional 24 hour automatic flush factory set to on
- Set-up sensor range adjustment indicator light, solid state electronics
- 24 VAC input, 5 second arming delay, 8° downward beam
- Electronic operated non-hold-open **metal** manual override button with 5 second lockout
- (110 to 24 VAC Transformer not included. See selection below for additional part number.)
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment**, factory set at 60 PSI to 2.7 litre (.70 US gal.)
- **1" FIP / 3/4" copper sweat inlet adaptor**, angle check stop with protecting cap
- Adjustable 121mm (4-3/4") plus or minus 11mm (7/16") inlet/valve outlet centers
- Vacuum breaker
- Cover tube, stainless steel wall flange, spud flange, spud nut, and 330mm (13") outlet tube

Approvals:

- CSA certified
- Complies to ASSE 1037
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed

(Contact Delta Representative for State and/or Local Approvals.)

U.S. Patent # 6, 826, 455



Engineer/Architect Approval

Model Specified:

Approval:

Date:



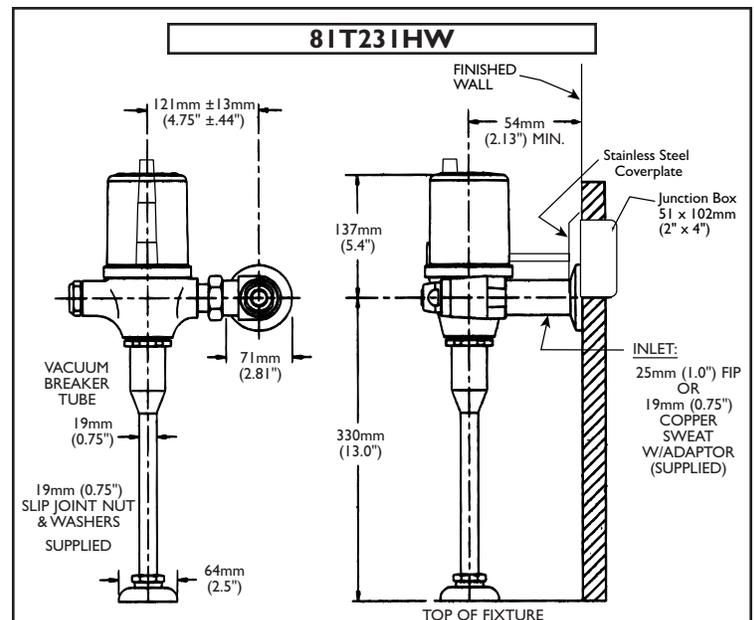
81T231HW

Electronic Exposed TECK® II Flush Valve Retrofit Kits

81T231-20HW

Same as 81T231HW, but LESS stop, cover tube and wall flange.

✓	TRANSFORMERS:	
	060704A	110 to 24VAC Class II 20VA (for up to 10 Electronic Valves)
	060771A	110 to 24VAC Class II 40VA (up to 20 Electronic Valves)
	060772A	110 to 24VAC Class II 100VA (up to 50 Electronic Valves)



Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.

Note: Measurements may vary ± 6mm (0.25")

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

□ **81T231-30HW**
- Exposed Hard Wire Operated
3/4" Top Inlet Urinal Fixture
LESS STOP, WITH MODIFIED TAIL TO FIT SLOAN®/ZURN® STOP

- Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation hard wire powered infrared sensor
- Scratch resistant lens window
- Infrared sensor range adjustment of 457mm-914mm (18" - 36"), factory set at 24" (±2")
- Hardwire adaptor
- Vandal resistant copper tube conduit
- Optional 24 hour automatic flush factory set to on
- Set-up sensor range adjustment indicator light, solid state electronics
- 24 VAC input, 5 second arming delay, 8° downward beam
- Electronic operated non-hold-open **metal** manual override button with 5 second lockout
- (110 to 24 VAC Transformer not included. See selection below for additional part number.)
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment**, factory set at 60 PSI to 2.7 litre (.70 US gal.)
- Adjustable 114mm to 131mm (4.5" to 5.18") inlet/valve outlet centers
- Vacuum breaker
- Spud flange, spud nut, and 330mm (13") outlet tube

Approvals:

- CSA certified
- Complies to ASSE 1037
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed

(Contact Delta Representative for State and/or Local Approvals.)

U.S. Patent # 6, 826, 455



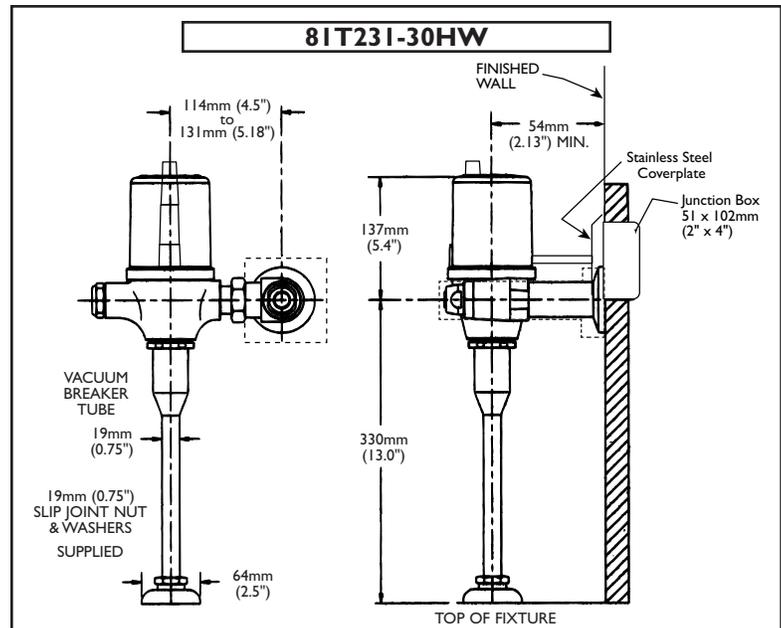
Engineer/Architect Approval	
Model Specified:	
Approval:	Date:



81T231-30HW

Items shown outlined by dotted lines supplied by others.

✓	TRANSFORMERS:	
	060704A	110 to 24VAC Class II 20VA (for up to 10 Electronic Valves)
	060771A	110 to 24VAC Class II 40VA (up to 20 Electronic Valves)
	060772A	110 to 24VAC Class II 100VA (up to 50 Electronic Valves)



Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.

Note: Measurements may vary ± 6mm (0.25")

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

Electronic Exposed TECK® Flush Valves

TECK®

DELTA
COMMERCIAL

81T231-WMSBT - Exposed Battery Operated 3/4" Top Inlet Urinal Fixture

- Polished chrome plated vandal resistant metal cover with 4" wallmount sensor
- Right or left-hand supply installation
- ADA compliant, automatic operation battery powered H₂OPTICS™ technology infrared sensor
- Four (4) 'C' cell batteries
- Low battery level indicator (5000 flushes remaining)
- Infrared sensor range adjustment of 305mm-711mm (12" - 28"), in 4" increments, factory set at 20" (±2")
- Vandal resistant copper tube conduit
- Adjustable 24 hour courtesy flush factory set to on
- 6 VDC input
- Electronic manual override button
- Quiet action, TECK® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment**, factory set at 60 PSI to 2.7 litre (.70 US gal.)
- **1" FIP / 3/4" copper sweat inlet adaptor**, angle check stop with protecting cap
- Adjustable 121mm (4-3/4") plus or minus 11mm (7/16") inlet/valve outlet centers
- Vacuum breaker
- Cover tube, stainless steel wall flange, spud flange, spud nut, and 330mm (13") outlet tube.

Approvals:

- CSA certified
- Complies to ASSE 1037
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed

(Contact Delta Representative for State and/or Local Approvals.)

Engineer/Architect Approval

Model Specified:

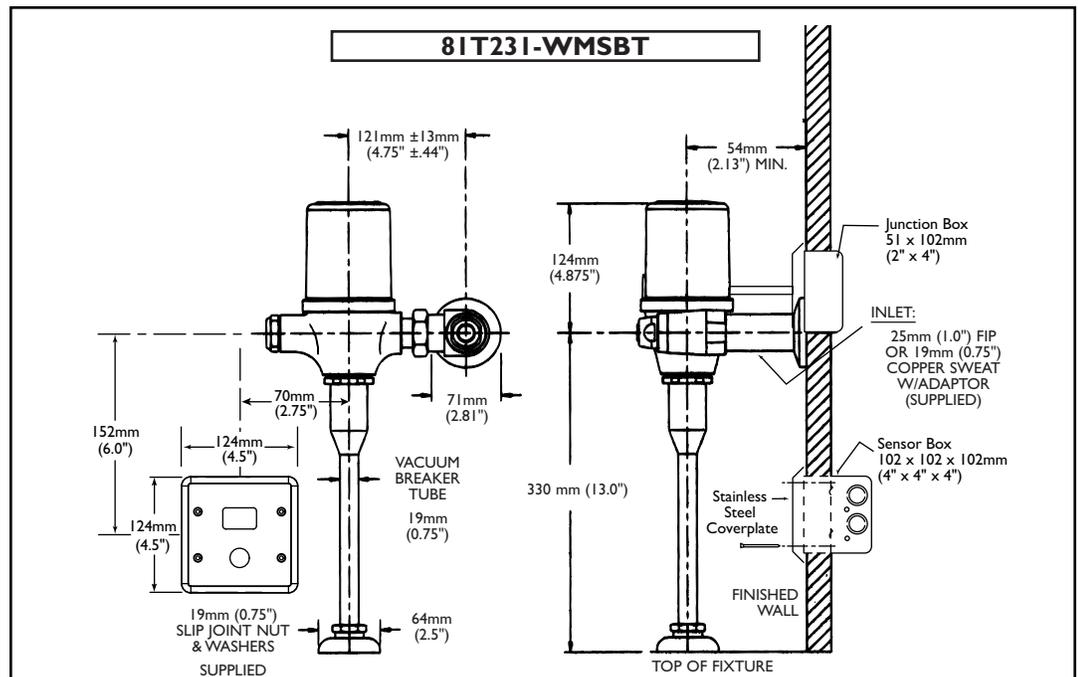
Approval:

Date:



81T231-WMSBT

H₂OPTICS™



Note: Measurements may vary ± 6mm (0.25")

Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

81T231-WMSHW
- Exposed Hard Wire Operated
3/4" Top Inlet Urinal Fixture

- Polished chrome plated vandal resistant metal cover with 4" wallmount sensor
- Right or left-hand supply installation
- ADA compliant, automatic operation hard wire powered H₂OPTICS™ technology infrared sensor
- Infrared sensor range adjustment of 305mm-711mm (12" - 28"), in 4" increments, factory set at 20" (±2")
- Hardwire adaptor
- Vandal resistant copper tube conduit
- Adjustable 24 hour courtesy flush factory set to on
- 24 VAC input
- Electronic manual override button
- (110 to 24 VAC Transformer not included. See selection below for additional part number.)
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment**, factory set at 60 PSI to 2.7 litre (.70 US gal.)
- **1" FIP / 3/4" copper sweat inlet adaptor**, angle check stop with protecting cap
- Adjustable 121mm (4-3/4") plus or minus 11mm (7/16") inlet/valve outlet centers
- Vacuum breaker
- Cover tube, stainless steel wall flange, spud flange, spud nut, and 330mm (13") outlet tube

Approvals:

- CSA certified
 - Complies to ASSE 1037
 - ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
 - IAPMO listed
- (Contact Delta Representative for State and/or Local Approvals.)

Engineer/Architect Approval

Model Specified:

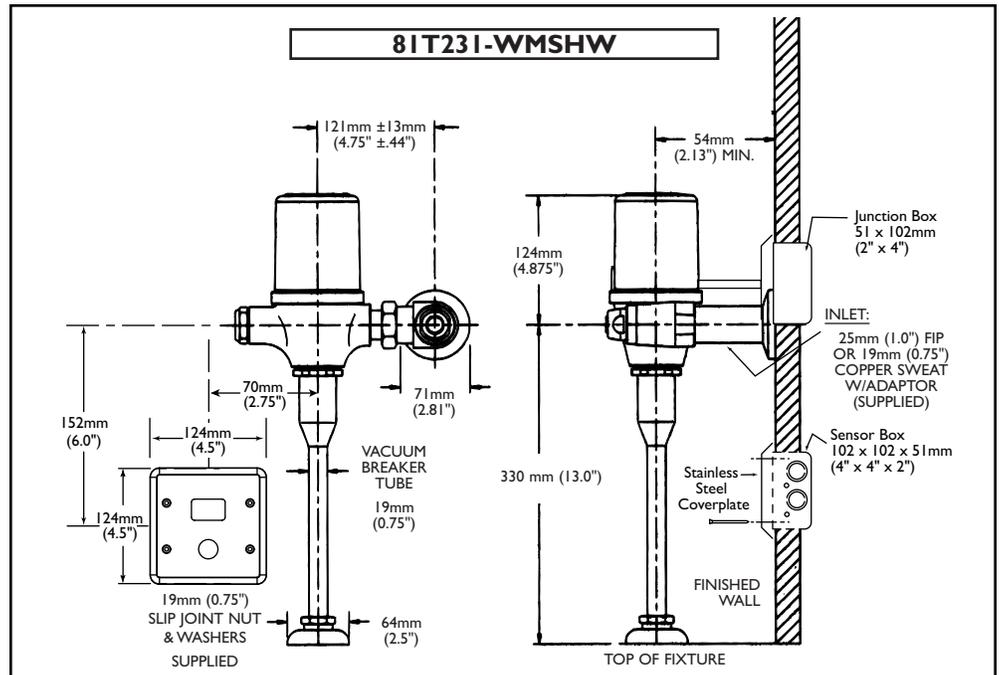
Approval:

Date:



81T231-WMSHW

H₂OPTICS™



Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.

✓	TRANSFORMERS:	
	060704A	110 to 24VAC Class II 20VA (for up to 5 Sensor Modules)
	060771A	110 to 24VAC Class II 40VA (up to 10 Sensor Modules)
	060772A	110 to 24VAC Class II 100VA (up to 25 Sensor Modules)

Note: Measurements may vary ± 6mm (0.25")

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

Electronic Exposed TECK® Flush Valve Retrofit Kits

TECK®

DELTA
COMMERCIAL

81TWCBTRK

- Exposed Battery Operated Retrofit Kit for Water Closet

- Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation battery powered infrared sensor
- Scratch resistant lens window
- Four (4) size AA alkaline batteries factory installed with valve in sleep mode for easy installation
- Low battery flashing light (5000 flushes remaining)
- Infrared sensor range adjustment of 610mm-1067mm (24" - 42"), factory set at 36" (±2")
- Optional 24 hour automatic flush factory set to off, 3 second flush delay
- Set-up sensor range adjustment indicator light, solid state electronics
- 6 VDC input, 5 second arming delay, 8° upward beam
- Electronic operated non-hold-open **metal** manual override button with 5 second lockout
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment**, factory set at 60 PSI to 6 litre (1.6 US gal.) (except -6 model)
- Handle-end plug

81TWCBTRK-6

Same as 81TWCBTRK,
but **Not Field Adjustable**

81TWCBTRK-13

Same as 81TWCBTRK, but **external water conserving flush adjustment** factory set at 60 PSI to 13 litre (3.4 US gal.)

Approvals:

- CSA certified
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed

(Contact Delta Representative for State and/or Local Approvals.)

U.S. Patent # 6, 826, 455



Engineer/Architect Approval

Model Specified:

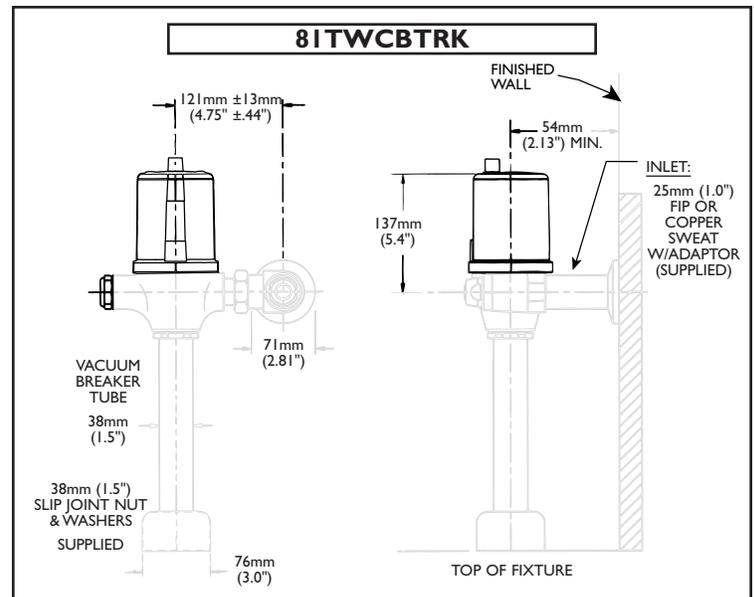
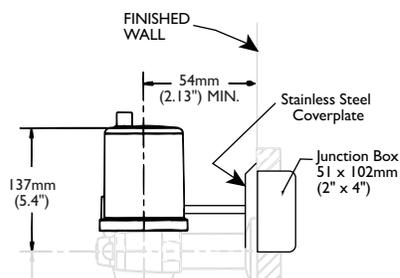
Approval:

Date:



81TWCBTRK

Note: For **Hardwire** order **060929A** Hardwire Kit (includes 24VAC to 6VDC Converter, Vandal Resistant copper tube conduit and 2 x 4" Junction Box). Transformer ordered separately.



Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.

Note: Measurements may vary ± 6mm (0.25")

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

81TURBTRK
- Exposed Battery Operated
Retrofit Kit for Urinal

- Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation battery powered infrared sensor
- Scratch resistant lens window
- Four (4) size AA alkaline batteries factory installed with valve in sleep mode for easy installation
- Low battery flashing light (5000 flushes remaining)
- Infrared sensor range adjustment of 457mm-914mm (18" - 36"), factory set at 24" (±2")
- Optional 24 hour automatic flush factory set to on
- Set-up sensor range adjustment indicator light, solid state electronics
- 6 VDC input, 5 second arming delay, 8° downward beam
- Electronic operated non-hold-open **metal** manual override button with 5 second lockout
- Quiet action, TECK® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment**, factory set at 60 PSI to 2.7 litre (.70 US gal.)
- Handle-end plug

Approvals:

- CSA certified
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed

(Contact Delta Representative for State and/or Local Approvals.)

U.S. Patent # 6, 826, 455



Engineer/Architect Approval

Model Specified:

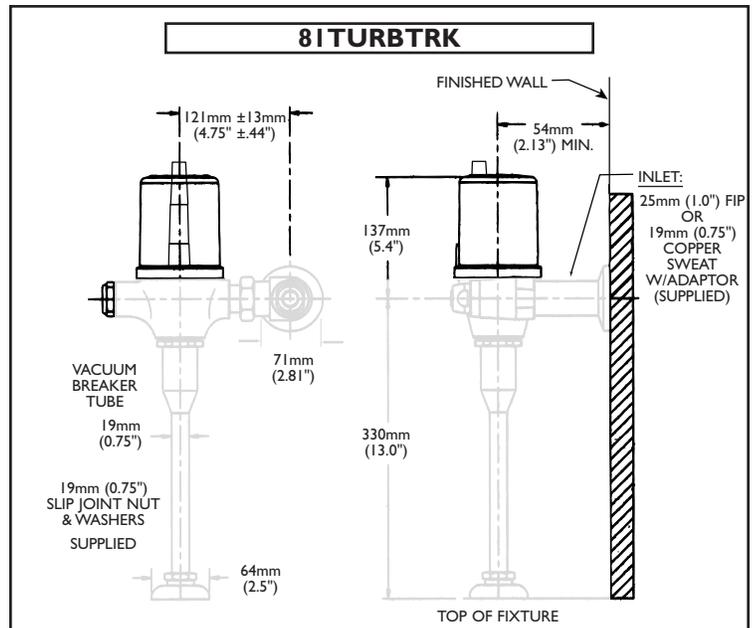
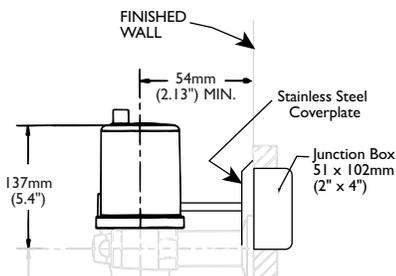
Approval:

Date:



81TURBTRK

Note: For **Hardwire** order **060929A** Hardwire Kit (includes 24VAC to 6VDC Converter, Vandal Resistant copper tube conduit and 2 x 4" Junction Box). Transformer ordered separately.



Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.

Note: Measurements may vary ± 6mm (0.25")

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

❑ R2470-MIX

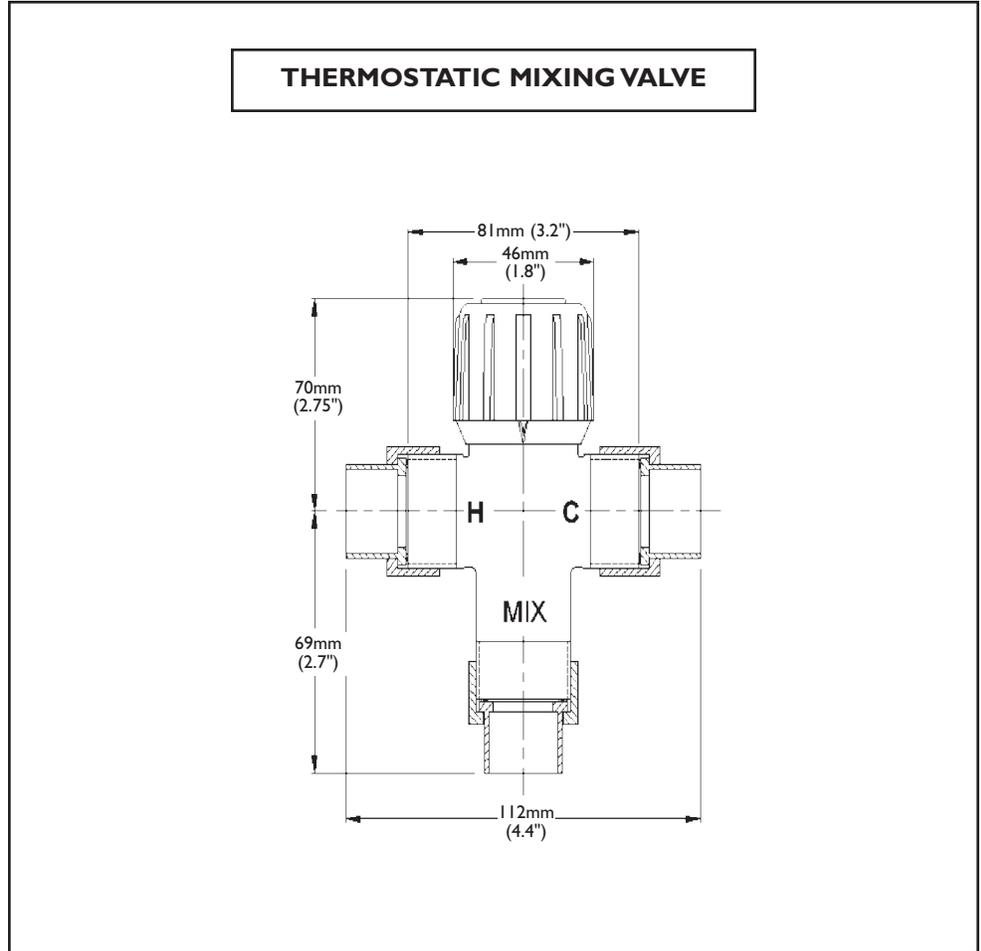
SPECIFICATION (example)

- Anti-scald proportional thermostatic mixing valve
- Lockable hand wheel
- Nickel plated brass/bronze construction
- Teflon® coated spool and body to prevent mineral buildup and extend life
- Temperature range 60-120°F
- Maximum flow 10 gpm, minimum 0.5 gpm, Cv = 1.8
- Maximum working pressure 125 psi
- Maximum hot water supply temperature 212°F
- Inlets/outlets: 1/2" copper sweat

Approvals:

- CSA certified
- ASSE 1070 and ASSE 1016 certified.
- IAPMO listed

(Contact Delta Representative for State and/or Local Approvals.)

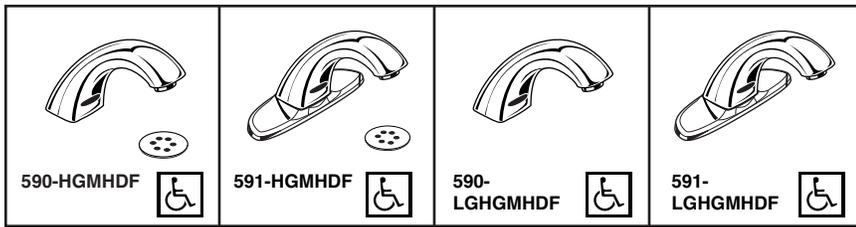


Note: Measurements may vary ± 6mm (0.25")

Refer to Spec Select for individual models.

Note: Use this page as a product submittal sheet.

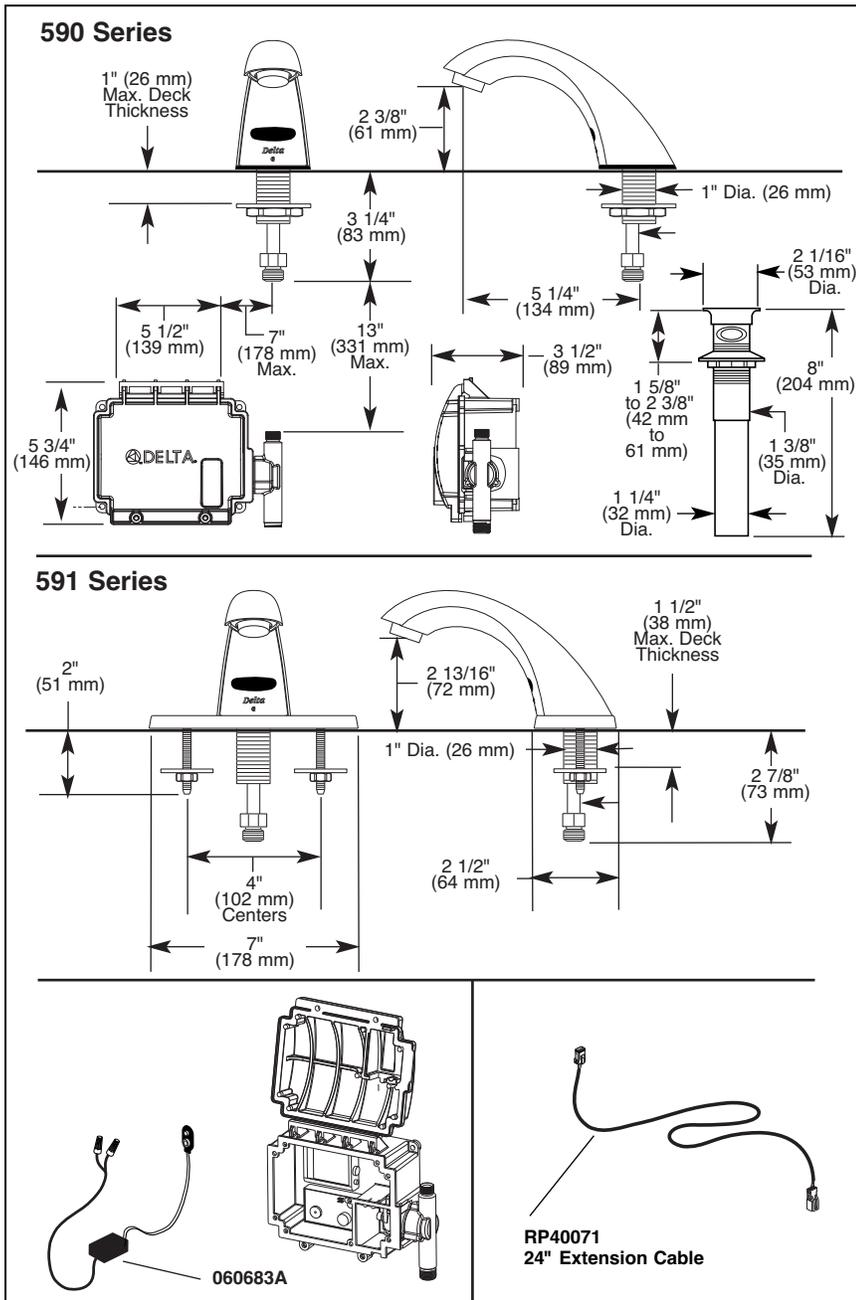
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H₂OPTICS™

Submitted Model No.: _____

Specific Features: _____



- Innovations® Electronic Faucet
- Deck Mount
- Single and 3 Hole Sink Applications
- Electronic Battery Operated
- Convertible to Hardwire Operation

STANDARD SPECIFICATIONS:

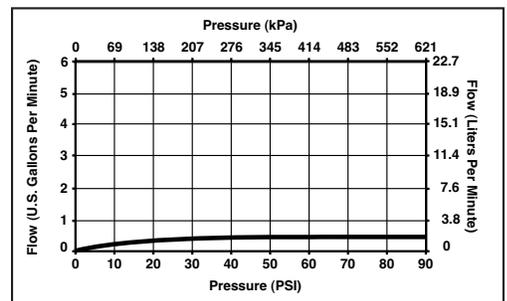
- Hands free (touchless) on/off activation.
- H₂OPTICS™ technology. No external adjustments required.
- All metal faucet construction.
- No lift rod hole.
- .5 gpm (1.9 L/min) vandal resistant spray outlet.
- 1.5 gpm (5.94 L/min) vandal resistant spray outlet available (RP31705).
- Powered by 4 "AA" batteries.
- Low battery audible beep will activate after faucet shuts off when approximately 1500 cycles remain.
- Operates with a 45 second maximum run time. Will reset once obstruction is removed.
- Serviceable filter screen upstream of the valve.
- Model 591 Series-4" (102 mm) centers. 2 1/2" x 7" (64 mm x 178 mm) forged coverplate with locking mechanism (anti-rotation).
- Model 590 Series-Center mount. Single hole installation.
- Convertible to Hardwire using standard transformer (120VAC to 24VAC) and Delta converter (24VAC to 6.4VDC) (060683A).
- Optional 24" Extension Cable (RP40071)

NOTE: For optimum performance of this product, we recommend a system pressure between 20 and 80 PSI static. This product will operate up to a maximum of 125 PSI static per ANSI and CSA requirements. However, we do not recommend pressures above 80 PSI. Thermal expansion or leaking pressure reducing valves may require use of expansion tanks or relief valves to ensure your system never exceeds its maximum intended pressure setting.



COMPLIES WITH:

- ASME A112.18.1
- CSA B125
- Indicates ADA compliance to ICC/ANSI A117.1
- U.S. Patent # 6,826,455



Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.specselect.com for finish options and product availability.

H₂OPTICS™



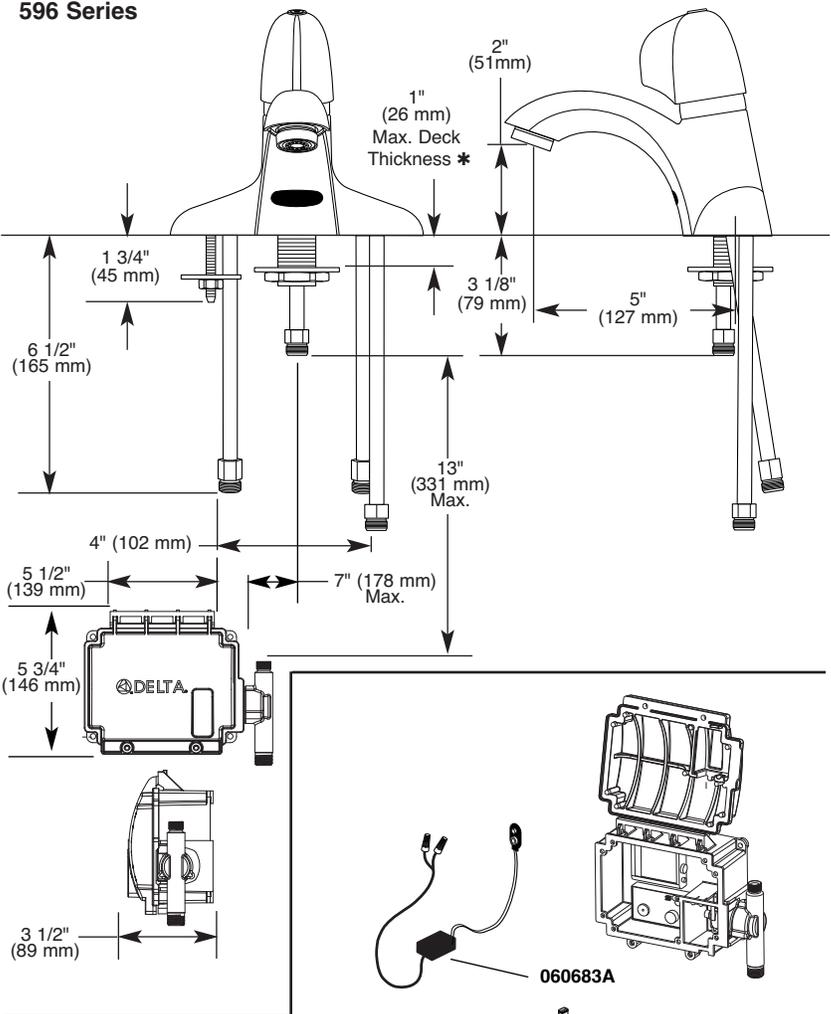
596-LGHGMHDF



Submitted Model No.: _____

Specific Features: _____

596 Series



* Center mounting shank can be extended 1" using optional RP36203 extension nut and washer.

- Innovations® Mixing/Sensing Electronic Faucet
- Deck Mount
- 3 Hole Sink Applications
- Electronic Battery Operated
- Convertible to Hardwire Operation

STANDARD SPECIFICATIONS:

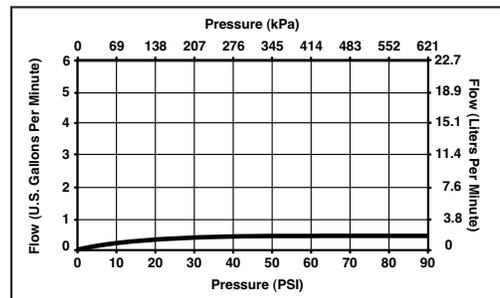
- ADA compliant, above deck temperature control with adjustable handle limit stop.
- Hands free (touchless) on/off activation.
- H₂OPTICS™ technology. No external adjustments required.
- All metal faucet construction.
- No lift rod hole.
- Three hole installation (4" centerset).
- .5 gpm (1.9 L/min) vandal resistant spray outlet.
- 1.5 gpm (5.94 L/min) vandal resistant spray outlet available. (RP31705)
- Powered by 4 "AA" batteries. Expected battery life of approximately 1 year with normal usage.
- Low battery audible beep will activate after faucet shuts off when approximately 1500 cycles remain.
- Operates with a 45 second maximum run time. Will reset once obstruction is removed.
- Serviceable filter screen upstream of the valve.
- Convertible to Hardwire using standard transformer (120VAC to 24VAC) and Delta converter (24VAC to 6.4VDC) (060683A).

NOTE: For optimum performance of this product, we recommend a system pressure between 20 and 80 PSI static. This product will operate up to a maximum of 125 PSI static per ANSI and CSA requirements. However, we do not recommend pressures above 80 PSI. Thermal expansion or leaking pressure reducing valves may require use of expansion tanks or relief valves to ensure your system never exceeds its maximum intended pressure setting.



COMPLIES WITH:

- ASME A112.18.1
- CSA B125
- Indicates ADA compliance to ICC/ANSI A117.1
- U.S. Patent # 6,826,455



AC Converter, Hard Wire and Plug-In Transformer

HDF®



RP32508—Hard Wire Transformer Specifications

General: Supplies power for up to 10 Delta Commercial 590, 591 and 596 Series electronic units already converted to hard wire

Input Voltage: 120 VAC @ 60 Hz

Output Voltage (unloaded): 24 VAC \pm 3% @ 20 VA

Current Draw: 800 MA

Operating Temperature Range: 130° C Maximum Temperature

Physical Connections: Universal Mounting Clip

Wire Size: #18 AWG

Wire Length: 11.75"

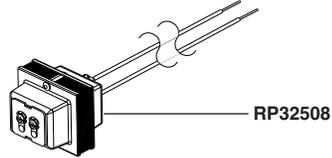
Wire Ends: Stripped (Black/White)

Terminals: Screw Type #6 Universal Pan Head

Safety Approval: UL Listed Class 2

CSA Certified

Class B Insulation System



RP32856—Plug-In Transformer Specifications

General: Supplies power for up to 10 Delta Commercial 590, 591 and 596 Series electronic units already converted to hard wire

Input Voltage: 120 VAC @ 60 Hz

Output Voltage (unloaded): 24 VAC \pm 5% @ 19.2 VA

Current Draw: 800 MA

Operating Temperature Range: -10° C to 40° C

Physical Connections: Plug-In Connection

Terminals: Screw Type #6 Universal Pan Head

Safety Approval: UL Listed

CSA Certified



RP32856

060683A—Hard Wire Converter Specifications

General: Converts Delta Commercial 590, 591 and 596 Series battery electronic faucets to hard wire

Input Voltage: 24 VAC @ 60 Hz

Output Voltage: 6.4 VDC \pm 5%

Current Draw: 600 MA

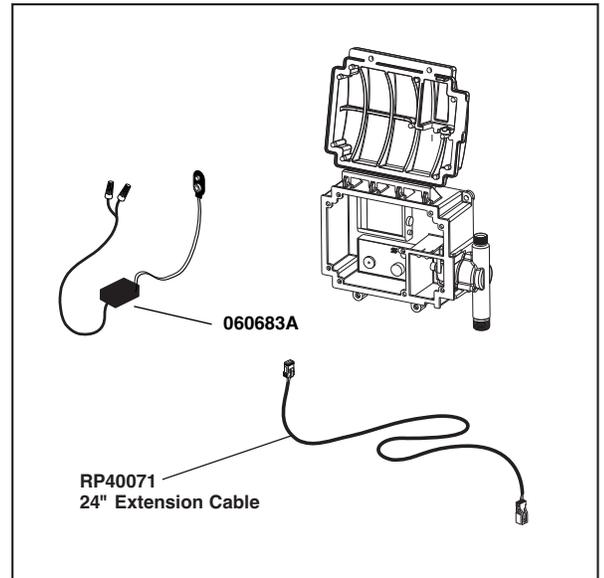
Operating Temperature Range: -55° C to 85° C

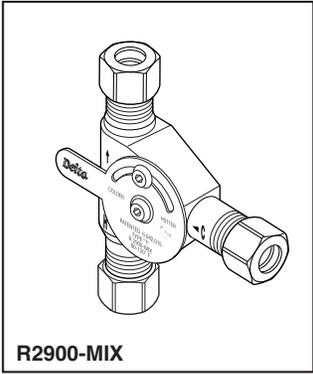
Physical Connections: #22 AWG Stripped Primary Connection / 9 VDC Snap Secondary Connection

Wire Size: #22 AWG

Wire Length: 18.0"

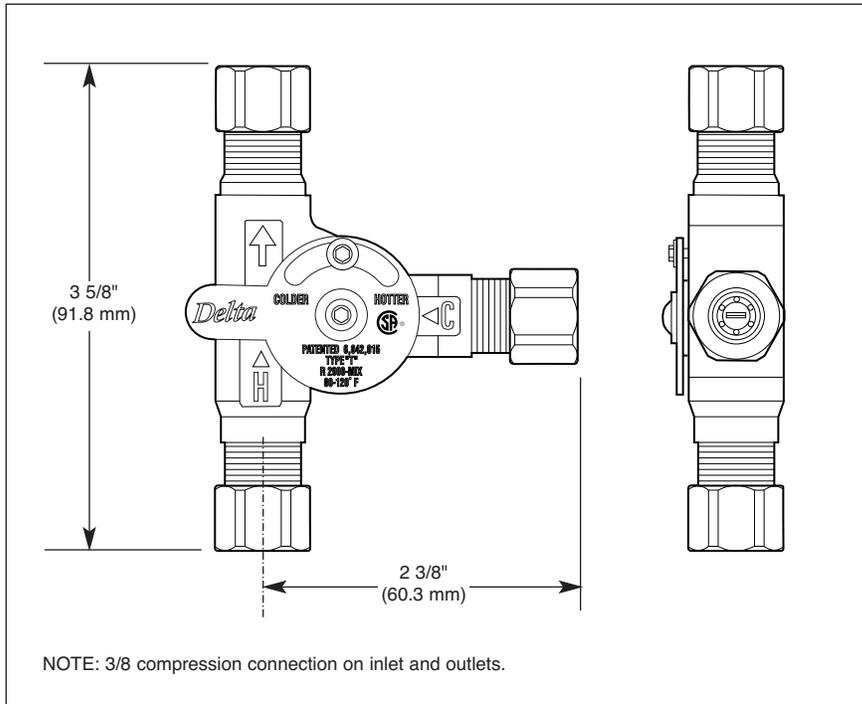
Wire Ends: PVC jacket removal should be 2.25" \pm .50" and strip length of wires should be .375" typical





R2900-MIX

Submitted Model No.: _____
 Specific Features: _____



- Valve Only
- Mechanical Mixer
- Thermostatic Limit Stop
- Temperature Controlled with Adjustable Handle

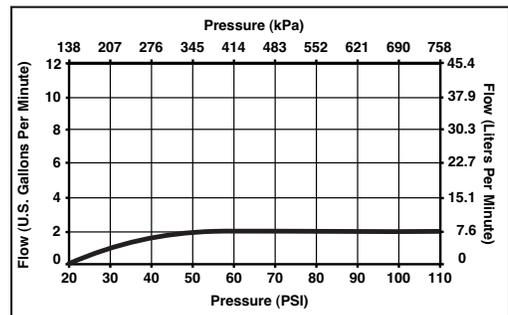
STANDARD SPECIFICATIONS:

- Solid brass body.
- Valve only with built-in check valves.
- Mechanical mixer with adjustable temperature setting, temperature control handle, and vandal resistant screw to lock in selection.
- Thermostatic limit stop set to limit outlet temperature below 120° F.
- After shutting off, device will automatically reset once temperature falls below 120° F.
- 3/8" compression inlets and outlet connections .
- Note: Maximum rated working pressure 125 PSI.



CSA Certified

**R2900-MIX
 Pressure and Flow Guidelines**



Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.specselect.com for finish options and product availability.