

## ADAPT® SC STANDARD CONDENSING TANKLESS WITH X3™ SCALE PREVENTION TECHNOLOGY

Introducing A. O. Smith's ADAPT® SC standard condensing gas tankless water heaters, delivering robust, on-demand performance and the flexibility to install in practically any residential setting.

### FEATURES:

#### X3™ SCALE PREVENTION TECHNOLOGY (PATENTED DESIGN)

- Units maintain like-new performance longer and life extended by up to 3x versus unprotected units
- Eliminates need for annual descaling
- Additional X3™ cartridges available for purchase with accessory parts

#### PERFORMANCE & EFFICIENCY

- 160,000, 180,000, 199,000 BTU/h
- 10,000 BTU/h min. input
- Max Flow Rate 10.5 GPM; 0.4 GPM activation; 0.26 GPM for continuous fire
- 0.95 UEF, ENERGY STAR® certified
- Ultra Low NOx

#### ULTIMATE FLEXIBILITY EASE OF INSTALLATION

- Vent with ULC S636 certified PVC, CPVC, or polypropylene pipe
- Exhaust venting, 2" PVC up to 50' (15.3 m); 3" PVC up to 150' (45.7 m)
- Flexible venting with PVC, CPVC or Polypropylene
- Pressure relief valve included
- Cascade up to 12 units with single cable per heater, cable included
- Approved for installation in manufactured homes

### WARRANTY

- No hardwater exclusions
- 15-year limited warranty on heat exchanger in residential applications
- 5-year limited warranty on all parts in residential applications
- 1-year limited warranty on heat exchanger and parts in commercial applications



ATM-160X3, ATM-180X3,  
ATM-199X3  
with Integrated X3™ Scale  
Prevention Technology



CSA/ANSI Z21.10.3 • CSA 4.3



# COMMERCIAL-GRADE RESIDENTIAL GAS WATER HEATERS

## ADAPT® SC STANDARD CONDENSING TANKLESS WITH X3™ SCALE PREVENTION TECHNOLOGY SPECIFICATIONS

		ATM-160X3-N	ATM-180X3-N	ATM-199X3-N
Installation Type		Indoor		
X3™ Scale Prevention Technology		Integrated		
Gas Consumption Input	Min. BTU/H	10,000		
	Max. BTU/H	160,000	180,000	199,000
Fuel Type		Natural Gas		
Heat Exchangers		Primary Copper, Secondary Stainless Steel		
Uniform Energy Factor (UEF)		0.95		
Maximum GPM*		10.5 GPM		
Activation GPM		0.4 GPM		
Continuous Fire GPM		0.26 GPM		
Water Pressure Min. - Max.		15 - 150 PSI (40 PSI Recommended for Maximum Flow)		
Supply Gas Pressure (NG)	Min. in W.C. (kPa)	4.0 (1.0)		
	Max. in W.C. (kPa)	10.5 (2.6)		
Hot/Cold Connections		3/4" NPT		
Gas Connection		3/4" NPT		
Temperature Settings Min. - Max.		100°F (38°C) - 140°F (60°C); Default 120°F (49°C)		
Ignition System		Electronic Ignition		
Power Supply		120V, 50Hz/60Hz, <5A		
Sound Level		51 dB**		
Elevation		Certified from Sea Level to 7,800' (2,377.4 m)		
Freeze Protection†		- 5°F (-21°C)		
Venting - Exhaust, Intake	Type	Power Direct Vent		
	Size, Max Run	2", 50' (5.08 cm, 15.3 m); 3", 150' (7.6 cm, 45.7 m)		
	Material	PVC, CPVC or Polypropylene		
Dimensions - Unit	Height***	40.4" (102.6 cm)		
	Width	17.1" (43.5 cm)		
	Depth	11.9" (30.1 cm)		
	Weight	83 lb (37.7 kg)		
Dimensions - Shipping†	Height	17.4" (44.2 cm)		
	Width	22.1" (56.2 cm)		
	Depth	39.25" (99.7 cm)		
	Weight	93 lb (42.2 kg)		

All models are ENERGY STAR® certified.

\*Current numbers based on factory settings.

\*\*Measured in an anechoic chamber.

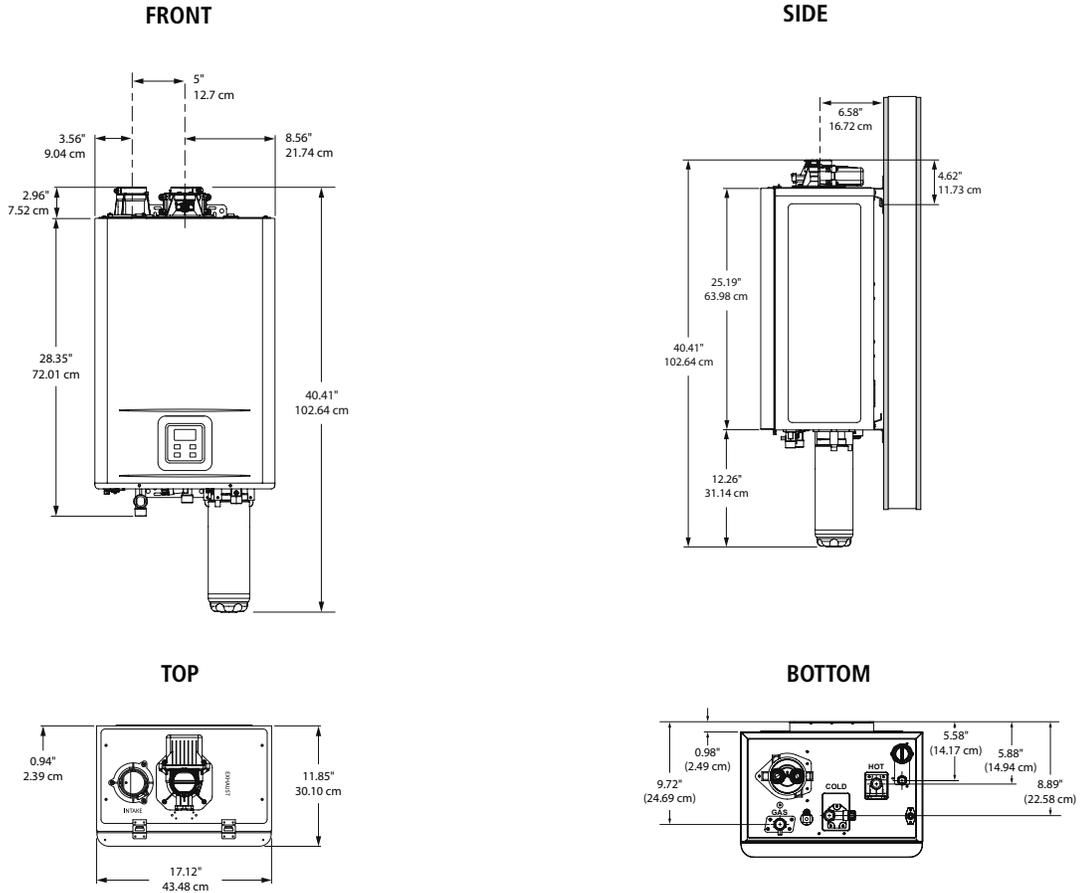
\*\*\*Height with required cartridge installed. From flue collar to tip of cartridge.

†Packaged and shipped on unit back.

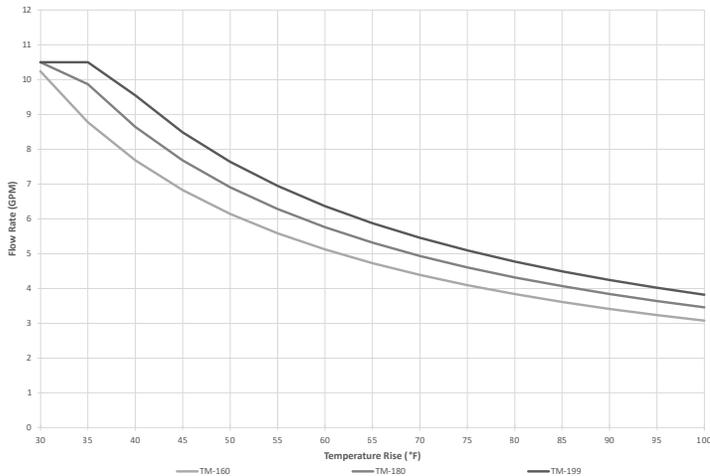
+Internal freeze protection for heater only; X3™ cartridge requires anti-freeze kit sold separately

Included with Heater: Manual, Pressure Relief Valve, Wall Mounting Bracket and Hardware, Vent Port Screws, Cascading Cable, Bird Screens

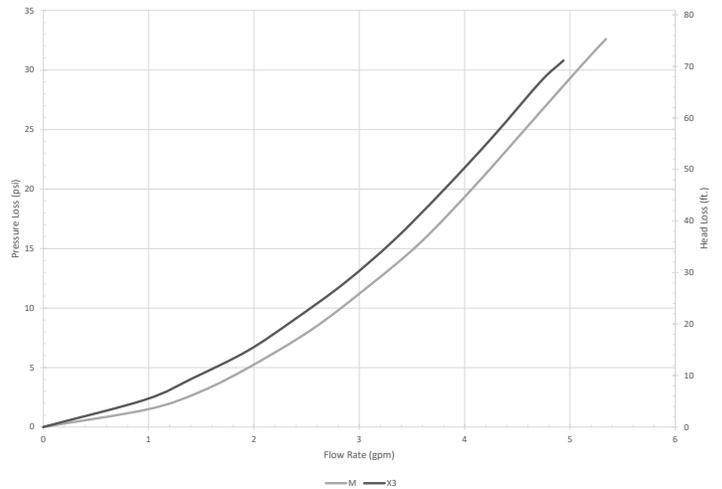
## ADAPT® SC STANDARD CONDENSING TANKLESS WITH X3™ SCALE PREVENTION TECHNOLOGY DIMENSIONS



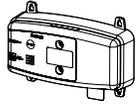
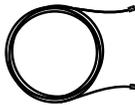
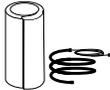
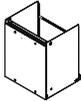
**TM FLOW RATE CAPACITY**



**PRESSURE LOSS**



## ADAPT® SC STANDARD CONDENSING TANKLESS WITH X3™ SCALE PREVENTION TECHNOLOGY OPTIONAL ACCESSORIES

Item	Material Number		Description
Wi-Fi Module Kit	100371922		Wi-Fi Module for electronically connecting tankless water heaters to the internet and adapter to connect to the water heater. <ul style="list-style-type: none"> <li>• Module (1x)</li> <li>• Cable (1x)</li> <li>• Adapter (1x)</li> </ul>
Remote Temperature Controller	100383909		Remote Temperature Controller with 10' (3 m) cable.
Communication Cable - 10' (3 m)	100377341		Replacement Communication Cable for Remote Temperature Controller or Wi-Fi Module, or On-Demand Receiver, 10' (3 m).
Communication Cable - 32' (10 m)	100377342		Extended Communication Cable for Remote Temperature Controller or Wi-Fi Module, or On-Demand Receiver, 32' (10 m).
X3™ Freeze Protection	100325654		X3™ Cartridge Freeze Protection can add an extra layer of freeze protection to external SCM cartridge. Cartridge not protected by heater's internal freeze protection.
Pipe Cover	100383908		Pipe Cover protects plumbing connections to the heater while improving the appearance of the installation. Affixes to bottom of heater.
Neutralizer Assembly Kit	100112159		Neutralizer Assembly neutralizes the condensate (acidic water) that forms in the heat exchanger of the water heater. It connects to the condensate drain port of the water heater by using connectors included with the neutralizer kit.
Isolation Valve Kit with Pressure Relief Valve	100112156		Isolation Valve supports routine maintenance and allows for draining and flushing the heater; whereas, the Pressure Relief Valve, as the name implies, serves to limit internal pressure in the system. Check local codes for applicability.

For Technical Information, call 888-599-2837. A. O. Smith Enterprises Ltd. reserves the right to make product changes or improvements without prior notice.