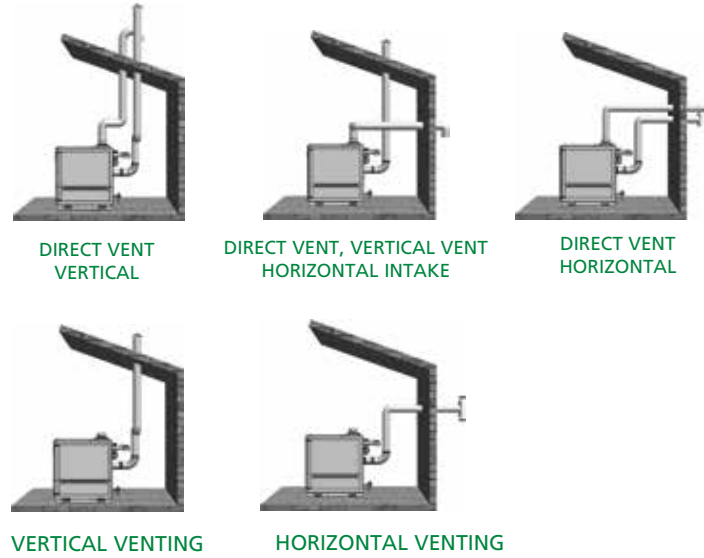


DIRECT VENTING UP TO 150 EQUIVALENT FEET OF PIPING

The XP PLUS Water Heater models provide flexible and lower cost installation because they permit direct-vent air intake and exhaust runs up to 150 equivalent feet using PVC venting material. XP PLUS models vent runs of up to 150 equivalent feet are approved. In addition to PVC, these models can be vented with CPVC, Polypropylene or AL29-4C stainless steel materials. The XP Plus (Category IV) venting system's intake and exhaust runs can terminate horizontally through a sidewall or vertically through the roof. Please consult the latest edition of the Installation Manual for detailed venting information and maximum/minimum venting distances.



AC-U-TEMP—A TOTAL HOT WATER SUPPLY SYSTEM

With Ac-U-Temp, A. O. Smith makes it as easy as possible to install a complete packaged system. Ac-U-Temp systems are custom designed and built to fit your heating needs with tank sizes available from 80 gallons up to 10,000 gallons to meet your specifications and application requirements. Ac-U-Temp systems are shipped as complete systems, pre-piped and pre-wired. All the installer has to do is make the flue, gas, electrical and water connections, so field errors are minimized.



XP PLUS

CONDENSING

COMMERCIAL GAS WATER HEATERS



HIGH EFFICIENCY, HIGH INPUT COMMERCIAL XP PLUS

With their combination of innovative control features and modulating capabilities, XP PLUS Water Heater models are the latest in high efficiency fully condensing products from A. O. Smith, offering high outputs for demanding, large-volume commercial applications. Thanks to a state-of-the-art stainless steel heat exchanger, the XP PLUS model can achieve thermal efficiencies up to 98%.

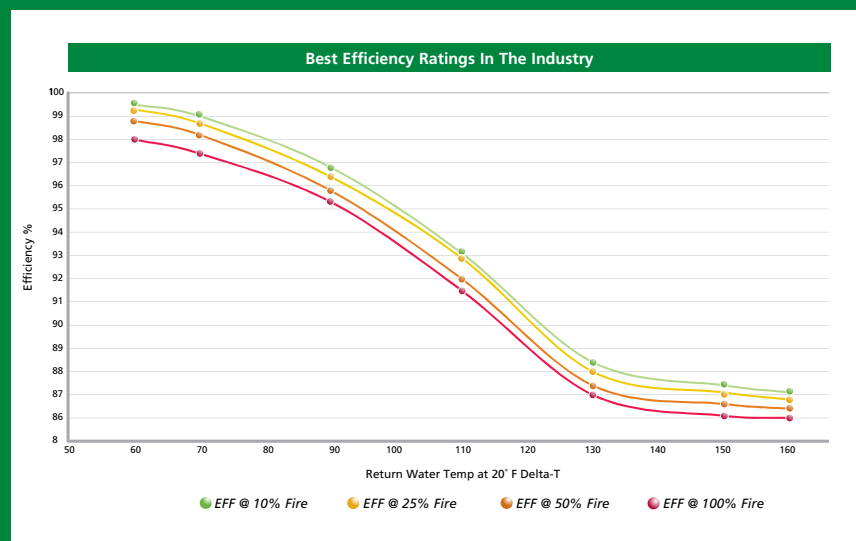
DESIGNED FOR A GREAT RANGE OF APPLICATIONS

XP PLUS models are designed to be used in potable hot water applications, from large-volume, full-service hotels and high-rise apartment complexes to casinos, resorts, government buildings, schools, hospitals and more.



XP PLUS AT A GLANCE

- Top-of-the-line control with touchscreen
- Industry-leading thermal efficiencies
 - XP PLUS is up to 98% thermal efficiency in low-temperature applications
- XP PLUS models range from 400,000 up to 4,000,000 btu/hr
- Vents in inexpensive PVC pipe or optional CPVC, Polypropylene or stainless steel.
- XP models are CSA certified to the ANSI Z21.10.3-CSA 4.3 water heater standard and are AHRI listed with thermal efficiency ratings of up to 96% @ 100% fire and 140°F outlet temperature
- Fully modulating with turndown rates up to 10:1 on some models
- XP PLUS model is ready for immediate connection to existing building management using MODBUS protocol
- XP PLUS models can be field converted for outdoor use in warm climates with accessory kit
- ENERGY STAR® qualified



XP PLUS THE HEAT EXCHANGER

The XP PLUS features the latest technology in high efficiency circulating water heaters. The heart of the design is the 316L stainless steel heat exchanger. The heat exchanger's condensing design heats water up to an impressive 98% thermal efficiency. This new design features a slide out door for improved access and maintenance flexibility.

The modulating combustion system is capable of 10:1 turndown and uses a NEG/REG gas control to achieve this.

Model sizes are available in 400,000 thru 4.0M BTU/hr input rates to cover a wide range of heavy duty commercial and industrial applications. Each model is shipped with a factory sizes all-bronze pump which is managed by the water heaters control.



XP PLUS RECOVERY CAPACITIES

Model Number	Btu/Hr Input	Thermal Efficiency	GPH 100°F Rise
PWH0400NP	399,000	99%	479
PWH0500NP	500,000	99%	600
PWH0650NP	650,000	98%	772
PWH0800NP	800,000	98%	772
PWH1000NP	999,000	98%	1,187
PWH1250NP	1,250,000	98%	1,485
PWH1500NP	1,500,000	98%	1,782
PWH2000NP	1,999,000	98%	2,375
PWH3000NP	3,000,000	98%	3,564
PWH4000NP	4,000,000	98%	4,752

SUPERIOR CONTROL

Talk about having total control at your fingertips! The XP PLUS models use an intuitive touch control featuring the industry's most current technology, touchscreen user interface, and the latest in energy savings algorithms. Advanced operating information, run history and easy to read diagnostics are just some of the key features.



UP TO 10:1 TURNDOWN RESULTS IN IDEAL COMBUSTION DURING ALL DEMANDS



The secret to the stunning performance of the XP Family is its flexibility, thanks in part to the fully modulating burners. Because of the unique burner design that allows load-equalizing firing rates, XP PLUS takes temperature management to new levels of comfort and fuel efficiency by matching exact output to the building needs or requirements.