THE "TOTAL SYSTEM" CONCEPT
- We have taken our highly efficient equipment and created a convenient package; a complete
domestic hot water system.

SIMPLIFIES INSTALLATION
- The installer simply connects the flue gas, electric supply, cold water make-up, and hot water
supply (Building return loops connect to cold water make-up).

ELIMINATES COSTLY FIELD ERRORS
- These complete hot water systems are factory-engineered and assembled to assure proper pipe,
pump and wire sizing. Systems are pre-piped and wired to guarantee maximum system
efficiency.

FACTORY TESTED
- Each Ac-U-Temp storage system is hydrostatic and fire tested before shipping from the
factory.

AC-U-TEMP STORAGE TANKS
- Each Ac-U-Temp storage tank is especially designed with tank opening locations, that
provide maximum tank draw efficiency and eliminate any unnecessary piping and
connections. Standard Ac-U-Temp tanks are factory jacketed and insulated (Bare tanks to
be insulated by others are also available.) The Ac-U-Tanks are factory standard with same
superior glass lining that has set new standards for the tank industry. Standard tank
capacities range from 80 gallons to 1,000 gallons (Custom tanks to 10,000 gallons are
available).

OTHER FEATURES
- ASME Temperatures and Pressure Relief Valve 125# - Tank Temperature Sensor - Tank
Temperature - Isolation Valves (Reliable Ball Valves) - Superior I-Beam Skid - 125 psi Tank
Construction - CI Bronze Fitted Pump

OPTIONS
- All Bronze Circulating Pump - Sequencing Control Panel (For Multi-Boiler systems) - 150 and 160
psi Tank Construction 11" x 15" Manholes - Cement and Epoxy Tanks Linings.

CUSTOM AC-U-TEMP SYSTEMS
- All Ac-U-Temp Systems are built to order, and can be precisely designed to specifically meet
your specifications. Many combinations of boilers and tanks are available. Consult your local
A. O. Smith representative for factory assistance.

MULTI-BOILER SYSTEMS
- High recovery systems that can meet any hot water demand. Systems can be designed to provide
50 to 100% back-up. Boilers can be on & off fired, or sequenced to meet changing system
demands. Sequenced multi-boiler systems that employ relatively small storage tanks are ideal
for applications with constant, yet fluctuating hot water demands.

MULTI-TANK SYSTEMS
- For applications with low ceiling heights or unique installation challenges.

OPTIONAL DUAL ENERGY SOURCE CAPABILITY
- Ac-U-Temp storage tanks can be specified with heat exchangers; allows winter/summer heating
boiler operation. Both, water to water, or steam to water exchangers are available in both single
and double wall. Complete control packages can be factory installed.

ELECTRIC BACK-UP
- Heavy-duty electric water heater elements and controls can be specified for up to 3,000 KW;
100% electric back-up. Provides hot water even during natural gas curtailments.

LIMITED WARRANTY OUTLINE
- If the heat exchanger modules should fail within 5 years, under the terms of warranty, A. O.
Smith will furnish a replacement part; installation, labor, handling and local delivery extra. If the
tank should leak any time during the first 5 years, under terms of the warranty, A. O. Smith will
repair or replace the tank; installation, labor, handling and local delivery extra. THIS OUTLINE IS
NOT THE WARRANTY. For complete information, consult the boiler and tank warranties or A. O.
Smith Water Products Company.

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CONFIGURATION H

CONFIGURATION V
SUGGESTED SPECIFICATION

Hot Water Supply System shall consist of A. O. SMITH Ac-U-Temp® factory assembled unit Model No. __________. Systems shall be completely factory assembled and shall include the A. O. SMITH copper heat exchanger type hot water supply boiler(s) with input of __________ BTU/H for __________ gas and recovery capacity of __________ gph, and the A. O. SMITH glass-lined (cement/epoxy) hot water storage tank with __________ gallons capacity for __________ mounting (vertical-horizontal). System shall include properly sized circulator, inlet and outlet thermometers, tank temperature thermometer, relief valve, and tank temperature control. Entire system shall be rigidly mounted on welded steel skid base and shipped assembled to job site (Ac-u-Temp systems employing tanks too large for shipping as an assembled unit, will be shipped with the tank mounted on a split bolt-together skid).

See Dura-Max boiler and storage specifications at www.hotwater.com

Hot water supply boiler(s) and storage tank(s) shall have a 5 year limited warranty against corrosion as outlined in the written warranty.

Note: Custom arrangement also available. Consult factory.

For Technical Information and Automated Fax Service, call 800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.

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