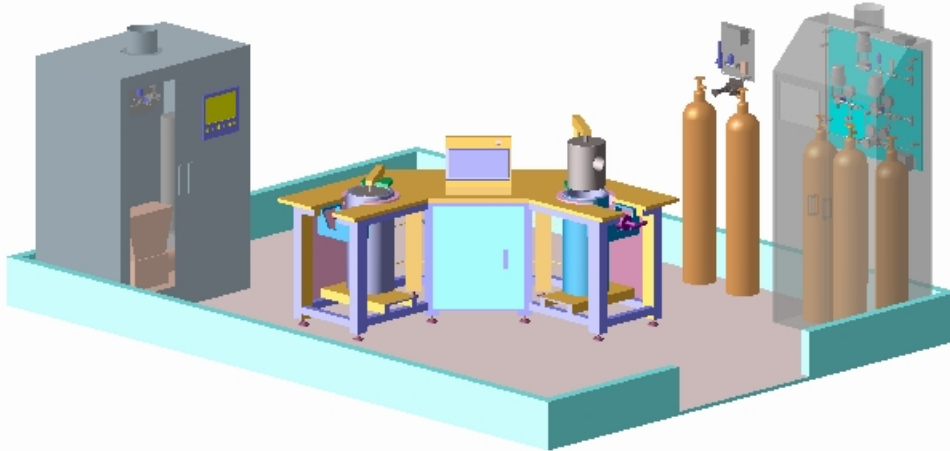


# HYDROGEN IMPREGNATION SYSTEMS



## FEATURES

- TURNKEY SYSTEM
- AUTOMATED PROCESS CONTROL
- TWO SCALABLE DESIGNS:
  - > 1 TO 2 PRESSURE VESSELS
  - > 4 TO 10 PRESSURE VESSELS
- PRESSURE RANGES TO 30,000 PSI STANDARD
- TEMPERATURE RANGES TO 150C
- REDUNDANT COMPONENTS
- ERGONOMIC AND MODULAR DESIGN
- CLEAN ROOM COMPATIBLE (CLASS 10,000)

## SYSTEM INCLUDES

- SYSTEM WORK STATION
- GAS COMPRESSOR AND ENCLOSURE
- N2 PURGE WITH AUTOMATED CHANGEOVER
- THREE BOTTLE GAS CABINET
- INTEGRAL H2 SENSORS IN EACH CABINET

EACH SYSTEM INCLUDES MODULAR GAS HANDLING PANELS FOR MINIMAL DOWNTIME AND EASE OF MAINTENANCE

The **ASP 1098 Hydrogen Loading Systems** are **turnkey, fully automated systems** that control temperature and pressure in a series of high-pressure vessels. Vent cycles, process times, data acquisition and other system parameters are PLC controlled. Safety interlocks include manual overrides, redundant components and an interface with ambient hydrogen sensing devices. The systems are available in a 1-2 reactor chamber configuration and a 4-10 reactor chamber configuration. Process panels and support components can be added or removed as needed.

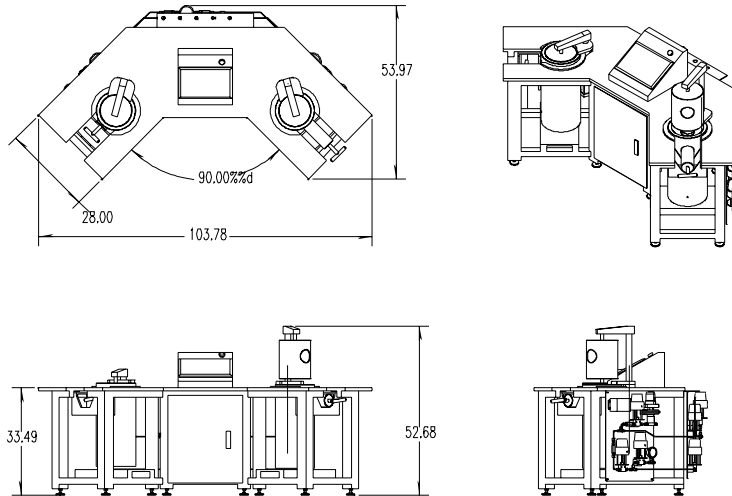
Easily Modified to Meet Customer Requirements



American Specialty Products

77 Industrial Park Drive Vernon, CT 06066 Phone (860) 871-2279 Fax (860) 871-2592  
[www.aspusaonline.com](http://www.aspusaonline.com)

# HYDROGEN IMPREGNATION SYSTEMS



Typical Two Vessel System

## Specifications:

COMPLIANCE: ..... CLASS 1, DIV. II  
 MAXIMUM VESSEL TEMPERATURE: ..... 150 DEG. C  
 MAXIMUM VESSEL PRESSURE: ..... 15,000 PSI (STANDARD)  
 ALL GAS HANDLING COMPONENTS: ..... 316 OR A-286 STAINLESS STEEL  
 SYSTEM VOLTAGE: ..... 240 VAC AND 120 VAC  
 CONTROL VOLTAGE: ..... 24 VDC  
 GAS COMPRESSION: ..... DUAL STAGE AIR OR MOTOR DRIVEN  
 VESSEL HEATERS: ..... 240 VAC BLANKET HEATER, WATTAGE IS APPLICATION DEPENDENT  
 COMPONENT ACTUATION: ..... AIR 120 P.S.I MIN.

Please Call for Specific Details and Requirements



American Specialty Products

77 Industrial Park Drive Vernon, CT 06066 Phone (860) 871-2279 Fax (860) 871-2592  
[www.aspusaonline.com](http://www.aspusaonline.com)