North American 9500 Packaged Supervisory and Fluid Control Systems

- Designed for many gas/fluid services
- Cost effective, single source responsibility
- Customized to your process needs
- Designed with an emphasis on code compliance

The 9500 product family consists of packaged Supervisory and Fluid Control Systems produced by Fives North American Combustion, Inc.

Effective integration of flow control components with process control and flame supervision logic is the key benefit of this line of high quality products.

Fives personnel will analyze the process with an emphasis on code compliance and select the appropriate hardware. Combining mechanical and electrical engineering expertise, with consideration for customer specifications we define the physical features to suit operating conditions.

Fives has the technical experience to sort through the hundreds of components and thousands of combinations to design the optimum system for your needs. While assuring conformance to applicable codes and standards, we take care of component specification, procurement, design layout, fabrication, assembly, testing, and documentation. After installation, we can also provide commissioning service.

Our well-developed standards of design and construction are appropriate for many industrial applications. We regularly design and construct systems to meet many common specifications, see Sheet 9500-2 for an extensive list.

The result is a high quality product that saves you time and money by avoiding costly field piping and wiring.

Fives has produced completely assembled fluid control systems for many types of industries—photographs and assembly drawings are available upon request.
9500 PRODUCT FEATURES

- For available configurations see Sheet 9500-1
- For basic features see Sheet 9500-2
- Component procurement is managed by Fives
- Physical Size – as small as access and component requirements allow (i.e. metering orifice “runs”)  
- Production schedule documented in Gantt chart form  
- Pressure reducing regulator set at operating pressure.  
- Documentation shipped with product (operations manuals customized for user)
  - Mechanical general arrangement drawing
  - Electrical ladder logic and field wiring drawings
  - Bill of materials for both mechanical and electrical systems
  - Quality test report form
  - List of “as shipped” components’ settings with suggestions for components that are field condition sensitive
  - Orifice flow rate chart (where appropriate)
  - All literature for mechanical component parts

ORDERING INSTRUCTIONS

Every packaged system is custom engineered. Contact your local Fives Specialist for more information and design assistance

Sequential Quote Number Assigned by Engineering  

Fluid type
- 0 - Engineering/CADD only
- 1 - Air Only
- 2 - Gas Only
- 3 - Oil Only
- 4 - Gas/Oil Combination
- 5 - Air/Fuel Combination
- 6 - Oxygen
- 7 - Oxy/Fuel Combination
- 9 - Miscellaneous Fluid

System Type
- 0 - Engineering/CADD only  
- 1 - Piping only (no frame, no electrical)  
- 2 - Frame mounted system  
- 3 - Skid Mounted system  
- 9 - Miscellaneous system

WARNING: Situations dangerous to personnel and property may exist with the operation and maintenance of any combustion equipment. The presence of fuels, oxidants, hot and cold combustion products, hot surfaces, electrical power in central and ignition circuits, etc., are inherent with any combustion application. Parts of this product may exceed 160°F in operation and present a contact hazard. Fives North American Combustion, Inc. urges compliance with National Safety Standards and Insurance Underwriters’ recommendations, and care in operation.