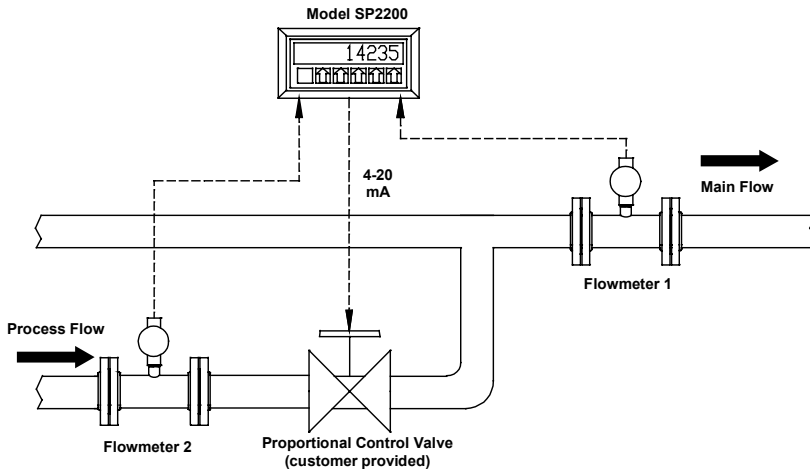


## Model RBS-1000

### Ratio-Blending System using Sponsler PRECISION TURBINE FLOWMETERS and Electronics Instrumentation

The Sponsler Ratio-Blending System (Model RBS-1000) is designed to maintain a precision flow relationship between two or more variables, providing controlled production of a final product. The system will blend ingredients into a product or act as a feed control to a chemical reactor. The primary measurement elements of the system are Sponsler precision turbine meters used with a Sponsler Ratio/Blend Controller and one or more control valves.

#### Application:



The system can be used in any gas or liquid application requiring precision ratio or blending of products. Examples include the blending of gasoline, fuel oil, gases, the addition of food additives, or precise metering of chemicals in the manufacture of pharmaceutical compounds.

The typical system will include two or more precision calibrated turbine flowmeters of appropriate size, connection, material construct, and pressure rating along with a ratio/blend controller packaged appropriately for the operating conditions. Control valves can be furnished as part of the system or purchased to specification by the end user. Safety considerations and protective enclosure requirements can be addressed at time of order.

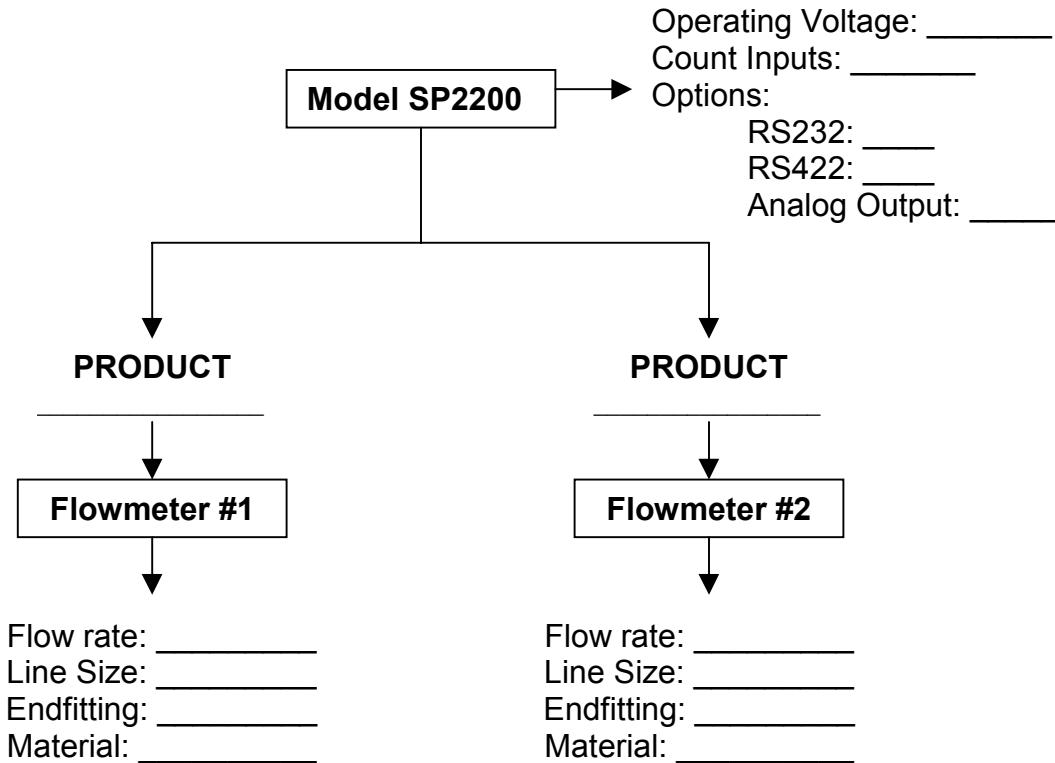
#### Specifications:

Every Sponsler turbine meter is furnished with a multi-point flow calibration. Flows can be measured over a range of .005 GPM to 12,000 GPM or .015 ACFM to 12,000 ACFM with component accuracy and repeatability up to 0.25% and 0.1% respectively. System turndown ratios can extend to any required range within hardware constraints.

## Advantages:

The system can be furnished as calibrated components or as a turnkey system, to include all third-party equipment with startup and contractual service support. Pricing is based on the sizing of the flow elements, materials of construction, engineering and technician services provided, third party equipment, and delivery requirements.

## Designing a System:



## About Sponsler Company:

Sponsler Company, Inc. is a US-based manufacturer of precision flow products and systems. Manufacturing facilities are located at Westminster, SC with a worldwide network of manufacturer representatives, distributors, and direct personnel. Please contact Sponsler Company at 800-258-1165, email: [sales@sponsler.com](mailto:sales@sponsler.com) or visit our website at [www.sponsler.com](http://www.sponsler.com) for further information or assistance with your application.

