

RHEOTHERM[®]
FLOW INSTRUMENTS

Options for Hazardous (Classified) Locations

Intek offers a line of flow meters and flow switches in a variety of configurations to meet the most demanding industry needs. *Rheotherm* instruments are suited for flow measurements of both liquids and gases and are commonly installed in hazardous (classified) areas. Our inline sensors (pictured at right) are used in applications for liquid flows up to 25 GPM and gas flows in small pipes. For larger pipes and ducts (round, rectangular or square), our insertion probe sensor is used (not pictured).

When used in hazardous areas, *Rheotherm* flow meters and flow switches are installed using Intek's proprietary, agency-approved* intrinsically safe barrier (ISB). Both inline and insertion probe sensors can be installed in the hazardous location due to their explosion-proof design. For installation flexibility, the remote electronics and the ISB are housed in a NEMA 4 enclosure which can be located in a non-hazardous area up to 200 feet (60 meters) away from the sensor. If the electronics are to be located within the hazardous area, an optional NEMA 7 explosion-proof housing can be used (both options are shown at right). A purged enclosure may also be used for the electronics if required.

For detailed specifications on Intek flow meters and switches refer to their associated Product Summary



ATEX and IECEx Approved

***APPROVED for use in:**
Class I, II, III, Division 1, Groups ABCDEFG
Class I, Zone 0 AEx ia IIC T4 Ga
FM16ATEX0050X
II 1 G Ex ia IIC T4 Ga
IECEx FMG 17.0021X
Ex ia IIC T4 Ga
Ta = -40°C to +60°C



Intek, INC.
 751 Intek Way
 Westerville, OH 43082-9057
 Phone: 614-895-0301
 Fax: 614-895-0319
 sales@intekflow.com
 www.intekflow.com

For assistance with any flow application, contact one of our application engineers by visiting our website, intekflow.com, or call **888-LOW FLOW** (569-3569).