WALLACE & TIERNAN®

FLOW CONTROLLERS

General Purpose Flow Controller 316 stainless steel housing.

Purge Flow Controller (shown with purge meter). Brass housing, black paint finish. Also available in 316 stainless steel.

Wallace & Tiernan offers two types of flow controllers, the General Purpose Flow Controller and the Purge Flow Controller. Each is designed to maintain a constant set flow rate regardless of variations in the line pressure. *Both of these basic arrangements are suitable for gas and liquid service.*

The general purpose type has a broad range of applications. It can be used with almost any equipment or within any flow system in which the process fluid is compatible with stainless steel construction. It is ideally suited for Wallace & Tiernan's Armored Purge Meters, Armored Flow Meters, Direct-View Flow Meters, Glass-tube Varea-meters, and all W&T Straight-through Varea-meters.

The purge-type flow controller is engineered specifically for use with W&T's Glass-tube Purge Meters and Low-flow Meters. Inlet and outlet connections match up for easy adaptation.

FEATURES

SIMPLE, DIRECT DESIGN

The clean straight-through design makes it simple to integrate these controllers within a system. Installation piping is direct and uncomplicated.

RELIABLE AND ACCURATE OPERATION

These controllers maintain a constant set flow rate by sustaining a constant pressure drop across their orifices. The size of the orifice is varied while the pressure drop is held constant. This balance provides a set flow despite changes in the supply pressures.

STURDY CONSTRUCTION

The housing for the general purpose controller is constructed of 316 ss. The purge type controller can be either 316 ss or brass construction.

CAT. FILE **570.100**
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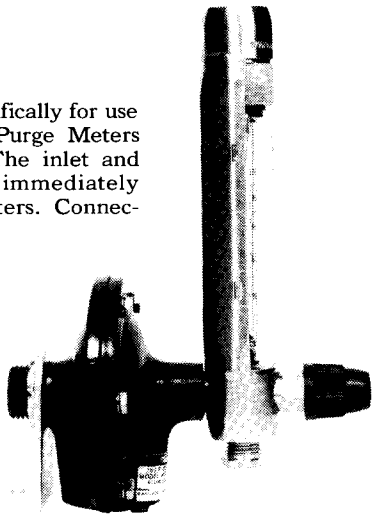
FEATURES

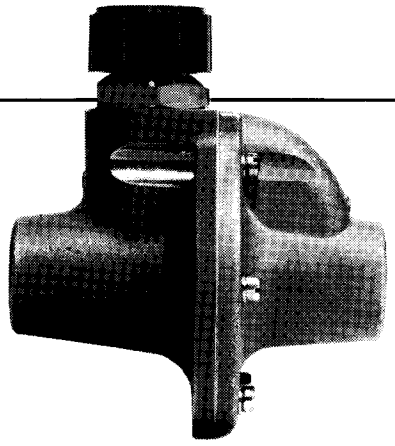
The Purge Type Flow Controller



This unit is designed specifically for use with W&T's Glass-tube Purge Meters and Low-flow Meters. The inlet and outlet connections are immediately compatible with the meters. Connections are simple and direct; the expense of awkward static piping is eliminated. Controllers can be used for gas or liquid, and are available in inlet and outlet configurations.

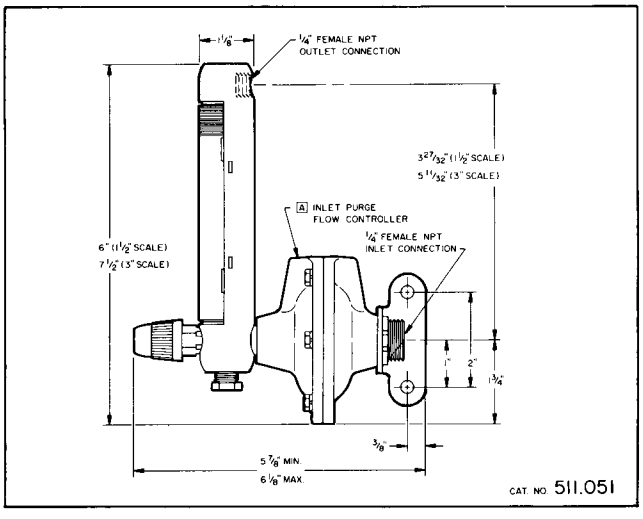
These units are available in two capacity ranges. Either capacity can be provided in brass or stainless steel construction for a choice of temperature limits.

The General Purpose Flow Controller

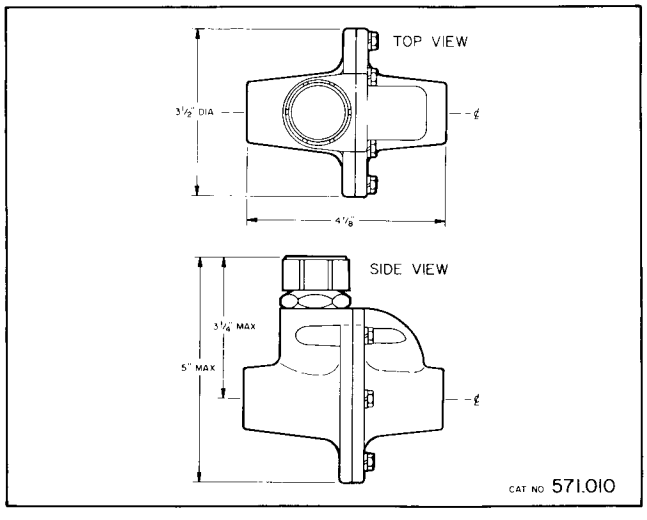


This unit can be used in any flow system in which the process fluid is compatible with the stainless steel construction. The straight-through design facilitates integration with most flow metering systems. Connections are simple and direct; expensive, awkward static piping is unnecessary. An integral control valve provides easy setting of flow rate. General purpose flow controllers are available in two capacity arrangements and can be used for liquid or gas service.

TECHNICAL DATA	High Cap.	Low Cap.
maximum capacity—gas	193 SCFH	30 SCFH
liquid	40 GPH	5 GPH
maximum temperature and materials of construction	200 F—Brass (Black Paint Finish) with Buna-N Diaphragm, 250 F—316 Stainless Steel with TFE Diaphragm	
maximum inlet pressure	250 psi	250 psi
pressure drop (at max. flow rate)	8 psi	6 psi
connections inlet/outlet	¼-inch NPT	¼-inch NPT
shipping weight	3 lb.	3 lb.



TECHNICAL DATA	High Cap.	Low Cap.
maximum capacity—gas	53 SCFM	5 SCFM
liquid	10 GPM	1 GPM
maximum temperature and materials of construction	450 F 316 Stainless Steel TFE Diaphragm	450 F
maximum inlet pressure	250 psi	250 psi
pressure drop (at max. flow rate)	25 psi	15 psi
connections inlet/outlet	¾-inch NPT	½-inch NPT
shipping weight	4½ lb.	4½ lb.



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WALLACE & TIERNAN
Taking care of the world's water.

1901 West Garden Road
Vineland, NJ 08360
856.507.9000 *phone*
856.507.4125 *fax*