

# ARMORED PURGE METER

## SPECIFICATION

10A1227\*

File  
Section  
10A

### Model 10A1227

The Model 10A1227A Armored Purge meter is an all stainless steel variable-area flowmeter with a magnetically coupled indicator used for low flow, high pressure, high temperature service.

#### ENGINEERING SPECIFICATIONS

##### CAPACITIES & PRESSURE DROPS

Maximum Flow		Pressure Drop at 100% inches of water
Water	Air	
10 GPH	41 SCFH <sup>1</sup>	18
25 GPH	103 SCFH <sup>1</sup>	20
80 GPH	300 SCFH <sup>1</sup>	30

1. Not recommended for gas service below 60 psig



#### PERFORMANCE

Accuracy:  $\pm 5\%$  maximum flow rate

Rangeability: 10 to 1

#### OPERATIONAL LIMITS

5000 psig at 100 F

3600 psig at 400 F

Maximum recommended temperature 400 F.

#### MATERIALS OF CONSTRUCTION

Orifice: Type 316 stainless steel

Float: Type 316 stainless steel

Fittings: Type 316 stainless steel

#### CONNECTIONS: Threaded 1/2-inch NPT

#### MOUNTING: Pipe line mounted

#### SCALES

Type (on tube): Percentage of maximum flow rate in increments of 10%

Length: 1-1/2-inches

#### UNIT WEIGHT: Two pounds

ACCESSORIES: 1/2-inch needle valve high pressure stainless steel (not integral)

#### ORDERING INFORMATION

Specify Model Number 10A1227A

Capacity

Accessories

Operating Conditions

Fluid measured

Maximum flow rate

Fluid density

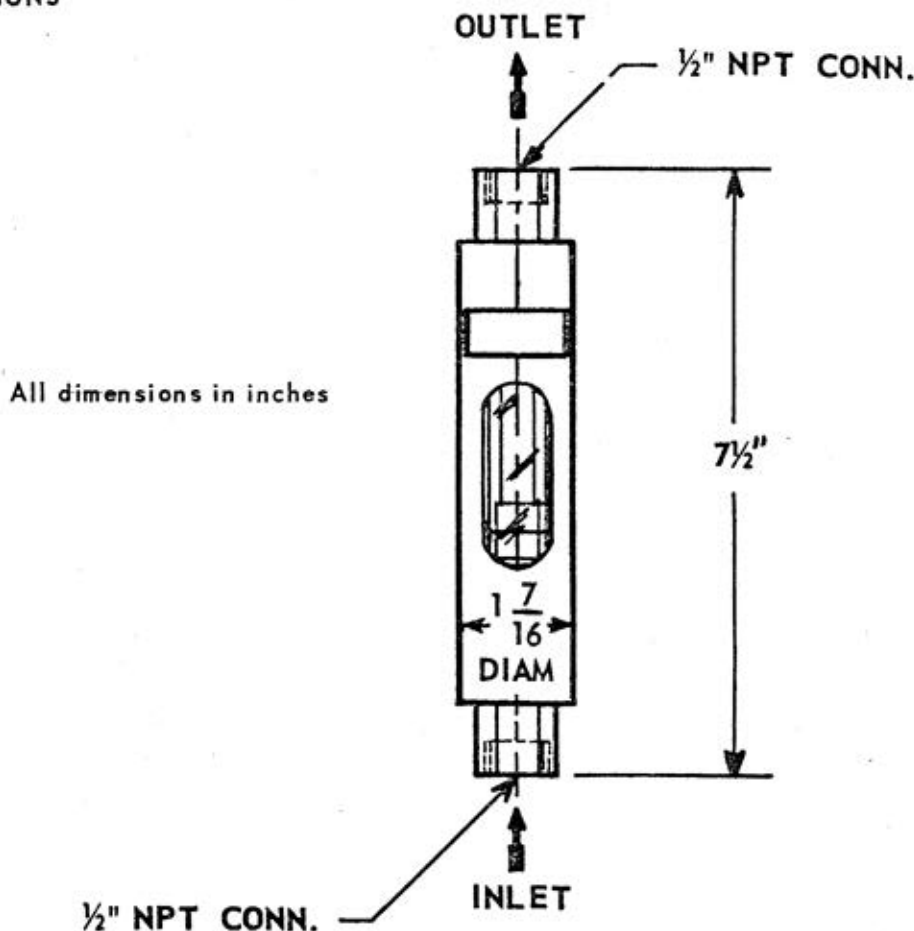
Fluid viscosity

Operating and maximum temperature

Operating and maximum pressure



## DIMENSIONS



## EQUIPMENT DESCRIPTION

The purge meter shall be of the variable-area type, armored design, with a 1500-lb ASA rating. The vertical meter connections shall be 1/2-inch NPT. The flow indicator shall be magnetically coupled to the metering float. The wetted parts shall be Type 316 stainless steel. Flow rate shall be indicated as per cent maximum flow on a 1-1/2-inch scale. The meter shall be sized for a maximum flow of (specify).