

# **Gauge Guards**

MS.TGDS.2020

**SERIES TG-25SS-PVD** 

**PVDF Body** 

### Materials: PVC, CPVC, Natural Polypropylene, & PVDF

Marguest Scientific's complete line of TUFF GUARD gauge and instrument isolators are engineered to provide total isolation of all instruments from corrosive and ultra pure fluids while offering a design with the most rugged and complete features in the industry.

### Features & Benefits

- Provides a compatible, protective barrier between process fluids and instruments
- Adds system reliability by eliminating instrument failures
- SS reinforcement of the instrument connection to prevent fracturing associated with metal to plastic threads. Integrally molded into port
- Integral wrench provisions for field service
- Diaphragms in Modified PTFE, Viton®, EPDM, and Composite PTFE/FKM for each application
- Displacement capacity for up to 4" diameter gauges and large fill volume sensors
- Self-venting, 1/4" & 1/2" female NPT instrument connections with Viton® O-ring instrument seal

### **Specifications**

**Instrument Connection:** Venting 1/4" & 1/2" Female NPT Process Connections: 1/4" & 1/2" Fem NPT, Soc "Slip"

**Materials of Construction:** 

Housing: PVC, CPVC, Polypropylene, & PVDF Diaphragm: Modified PTFE, Viton®, EPDM, &

Composite PTFE/FKM

Working Pressure: 0 - 250 psi at 70 Deg Fahrenheit

Codes & Standards: ARRA Section 1605 "Buy

American" Compliant. ASME A112.18.1M



### **SERIES TG-25XXX-CPV**

NO GAUGE INSTALLED 1/4" Vent x 1/2" Fem NPT Inlet **CPVC Body** 





**SERIES TG-25SB-PPR** 2.5" STAINLESS/BRASS GAUGE 1/2" Fem NPT Inlet Polypropylene Body



(1) Please see backside of data sheet for ordering info, including configuration & material options.

### Markets / Applications

- Wastewater Treatment
- Semiconductor MFG
- **Chemical Plants**
- Chemical Feed Systems
- Food & Beverage
- **Desalination Plants**

- Wet Processing
- Chemical Odor Control
- PCB Manufacturing
- Pharmaceutical Processing
- Alternative Energy





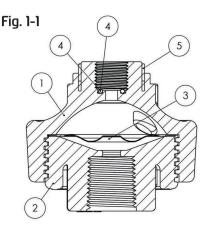
Where Quality Meets Service & Value ™

# **Gauge Guards**

# TUFF GUARD™

## Series TG

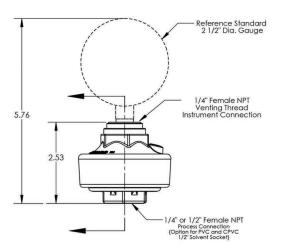
### Dimensional Data / Parts List



ITEM NO.	DESCRIPTION	ΩТΥ
1	Upper Chamber	1
2	Lower Chamber	1
3	Diaphragm	1
4	O-Ring, Instrument Seal, FKM	1
5	Ring, Reinforcing 316 SS	1

#### \*Dimensions in inches

(1) Model TG-25 shown to the right with 2.5" diameter case \ dimension. Optional 1/2" instrument connections available (See instrument port ordering info below).



### Pressure / Temperature Data

MAX WORKING PRESSURES PSI (water, non-shock)

WEIGHTS

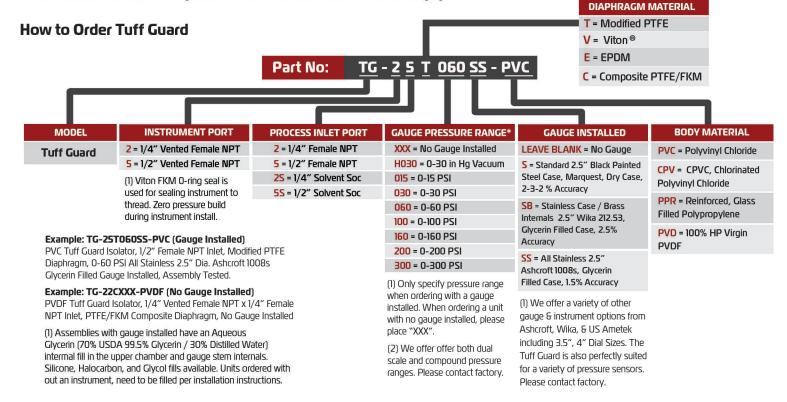
Mater	al 10°C 50°F	20°C 68°F	30°C 86°F	40°C 104°F	50°C 122°F	60°C 140°F	70°C 158°F	80°C 176°F	90°C 194°F	100°C 212°F	120°C 248°F	Net Weights Pounds*
PVC	200	250	250	220	140	135						0.387
CPV	C 230	250	250	230	200	200	150	120	60			0.40
PP	200	240	240	210	145	125	75	60				0.318
PVD	F 240	250	250	250	250	230	220	200	160	140	80	0.45

Temperature Ranges: PVC: 14 to 140 F (10 to 60 C), CPVC: 50 to 194 F (10 to 90 C), PP: 46 to 176 F (8 to 80 C), PVDF: -22 to 248°F (-30 to 120°C). \* Weights are for unfilled 1/4" Female NPT x 1/2" Female NPT without gauge.



## **CALIBRATION CERTIFICATES AVAILABLE**

Please Contact Marquest



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