

Gauge Isolators & Throttle Master Needle Valves

Marquest Scientific Tuff Guard Gauge Isolators



Standard Gauge(SB) Installed is a Wika 213.53 Stainless Case, Brass Connection, Glycerin Filled. All Stainless Gauges(SS), Process Gauges(PG), & Pressure Switches are available.

Marquest Scientific's new line of gauge and instrument isolators are engineered to provide total protection and isolation of corrosive & ultra pure fluids while offering a design with the most rugged features in the industry. Stainless steel reinforcement of the instrument connection to prevent fracturing associated with metal to plastic threads. This stainless steel reinforcing component is integrally molded into the Upper Chamber to completely surround the full length of the female thread and is for all practical purposes "unbreakable".

- Available in PVC, CPVC, Polypropylene, & PVDF.
- Diaphragms in PTFE, Teflon, Viton and EPDM
- Connection Sizes: 1/4" x 1/2", 1/4" x 1/4", 1/2" x 1/2"
- Instrument x Process Female, NPT/BSP Connections
- Solvent Cement Socket Process Joint

GAUGE RANGE	PVC, TEFLON DIAPHRAGM		CPVC, TEFLON DIAPHRAGM		POLYPROPYLENE, TEFLON DIAPHRAGM		PVDF, TEFLON DIAPHRAGM	
	1/4" FEMALE NPT INLET	1/2" FEMALE NPT INLET	1/4" FEMALE NPT INLET	1/2" FEMALE NPT INLET	1/4" FEMALE NPT INLET	1/2" FEMALE NPT INLET	1/4" FEMALE NPT INLET	1/2" FEMALE NPT INLET
No Gauge	TG-22T-PVC	TG-25T-PVC	TG-22T-CPV	TG-25T-CPV	TG-22T-PPR	TG-25T-PPR	TG-22T-PVD	TG-25T-PVD
0-15psi	TG-22T015SB-PVC	TG-25T015SB-PVC	TG-22T015SB-CPV	TG-25T015SB-CPV	TG-22T015SB-PPR	TG-25T015SB-PPR	TG-22T015SB-PVD	TG-25T015SB-PVD
0-30psi	TG-22T030SB-PVC	TG-25T030SB-PVC	TG-22T030SB-CPV	TG-25T030SB-CPV	TG-22T030SB-PPR	TG-25T030SB-PPR	TG-22T030SB-PVD	TG-25T030SB-PVD
0-60psi	TG-22T060SB-PVC	TG-25T060SB-PVC	TG-22T060SB-CPV	TG-25T060SB-CPV	TG-22T060SB-PPR	TG-25T060SB-PPR	TG-22T060SB-PVD	TG-25T060SB-PVD
0-100psi	TG-22T100SB-PVC	TG-25T100SB-PVC	TG-22T100SB-CPV	TG-25T100SB-CPV	TG-22T100SB-PPR	TG-25T100SB-PPR	TG-22T100SB-PVD	TG-25T100SB-PVD
0-160psi	TG-22T160SB-PVC	TG-25T160SB-PVC	TG-22T160SB-CPV	TG-25T160SB-CPV	TG-22T160SB-PPR	TG-25T160SB-PPR	TG-22T160SB-PVD	TG-25T160SB-PVD
0-200psi	TG-22T200SB-PVC	TG-25T200SB-PVC	TG-22T200SB-CPV	TG-25T200SB-CPV	TG-22T200SB-PPR	TG-25T200SB-PPR	TG-22T200SB-PVD	TG-25T200SB-PVD
0-300psi	TG-22T300SB-PVC	TG-25T300SB-PVC	TG-22T300SB-CPV	TG-25T300SB-CPV	TG-22T300SB-PPR	TG-25T300SB-PPR	TG-22T300SB-PVD	TG-25T300SB-PVD

Notes:

- 250 psi rating for PVC & CPVC, 170 psi for PP, and 250 psi for PVDF
- PVC, CPVC available with Solvent Socket Connection, PVDF available with metric fusion sockets.
- Standard Instrument Connection is 1/4" Female NPT. 1/2" Female NPT available "TG-55"

Marquest Scientific Throttle Master Needle Valves



Standard port connection is Female NPT. Tubing, Solvent, & Fusion connections available upon request.

Notes:

- 200 psi rating for PVC, CPVC, PVDF. 150 psi rating for PP
- Cv Factors: .310 thru .780 at Full Open

Marquest Scientific's line of Throttle Master Needle Valves provide precise flow control with fine adjustment of corrosive and high purity fluids. Available in two styles, both straight pattern (straight 180°) and Angle pattern (90°). Three standard end connections: 1/4", 3/8" and 1/2" Female NPT. Tubing, solvent, & fusion connections are available. A PTFE, Teflon sealed metering chamber offers excellent chemical resistance & high purity. There are no metals, elastomers, or lubricants used in their construction.

SIZE	PVC		CPVC		POLYPROPYLENE		PVDF	
	STRAIGHT	ANGLE	STRAIGHT	ANGLE	STRAIGHT	ANGLE	STRAIGHT	ANGLE
1/4" NPT	NG-250-PVC	NA-250-PVC	NG-250-CPV	NA-250-CPV	NG-250-PPR	NA-250-PPR	NG-250-PVD	NA-250-PVD
3/8" NPT	NG-375-PVC	NA-375-PVC	NG-375-CPV	NA-375-CPV	NG-375-PPR	NA-375-PPR	NG-375-PVD	NA-375-PVD
1/2" NPT	NG-500-PVC	NA-500-PVC	NG-500-CPV	NA-500-CPV	NG-500-PPR	NA-500-PPR	NG-500-PVD	NA-500-PVD