Magwell Gauge Valve Model MGV

A MAG-WELL Done . . .

Magwell Gauge Valve are low regulation valves that isolate pressure gauges, purges, pressure switches and other instrumentation devices. It allows the process medium to enter smoothly without damaging the instrument. This accurately control flow rates of clean gasses or liquids. Gradual adjustments of the stem and plunger enable smooth flow control. These valves generally have low flow rates and a relatively significant pressure drop from the inlet to the outlet.

Magwell Gage Valves can withstand high pressures and temperatures. They are rated for pressures as high as 6000 PSI at 200°F or 4000 PSI at 500°F with PTFE Packing. For a Higher Temperatures Grafoil Packing is used.

Standard Features

- SS 316L Construction
- High Over Pressure for Safety
- Reinforced gland body protection
- Non-rotating provides bubble tight shut-off
- Material Traceability Reports available per EN 10204 3.1

Applications



- Liquid & Gaseous Medium
- Corrosive Environments
- Offshore Oil Rigs & Platforms
- Chemical & Petrochemical Plants
- Power & Utility
- Water & Waste Water Treatment Facilities
- Other Critical Process Industries

Specifications

- Pressure : 6,000 psi (414 Bar), 10,000 psi (690 Bar)
- Process Connection : 1/4”, 1/2” or 3/4” or Flanges to attach to instruments.
- Connections : NPT (ANSI / ASME B1.20.1), BSP or Cylindrical GAS (DIN 259 or ISO 228), F[illegible]
- Materials : 316 / 316L Stainless Steel, Duplex, Super Duplex, Hastelloy, Monel, etc.
- Packing : GRAFOIL or PTFE. Upon request, it can be supplied in other materials.
- Closure : Metal-metal.
- Customize : If you need other connections, materials, packing or other modifications, we can tailor it to you.

Note : *Gauge Valves provide low flow rates, many turns of the valve stem are required to completely open or close.*

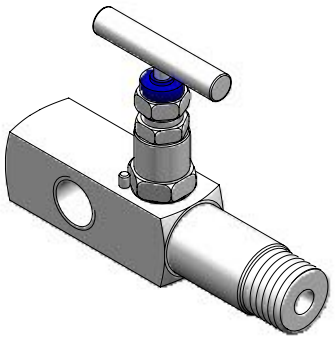
S. No	Description	Model
1	Gauge Valve - Extended Body - Male to Female Type	MGV-E-MF
2	Gauge Valve - Normal Body - Male to Female Type	MGV-N-MF
3	Gauge Valve - Normal Body - Female Female	MGV-N-FF

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- Designed to mount directly to the instrument for isolation purposes during calibration or shutdown procedures.
- SS 316/316L Bar stock construction
- Standard Working Pressure 6,000 PSI with PTFE packing.
- Optional 10,000, 15,000 & 20,000 PSI available on request
- Grafoil offered for higher temperatures.
- Standard NPT End Connections.
- Heat Code Traceability.
- NACE MR-01-75 Compliant materials available on request.
- 3.1 Certificates furnished.
- PMI certificates available on request.



Optional Materials Available :
- SS 316L
- Hastelloy C276
- Monel

Temperature Rating :
- PTFE 450°F (232°C)
- Grafoil 700°F (371°C)

Body : Extended Body Type

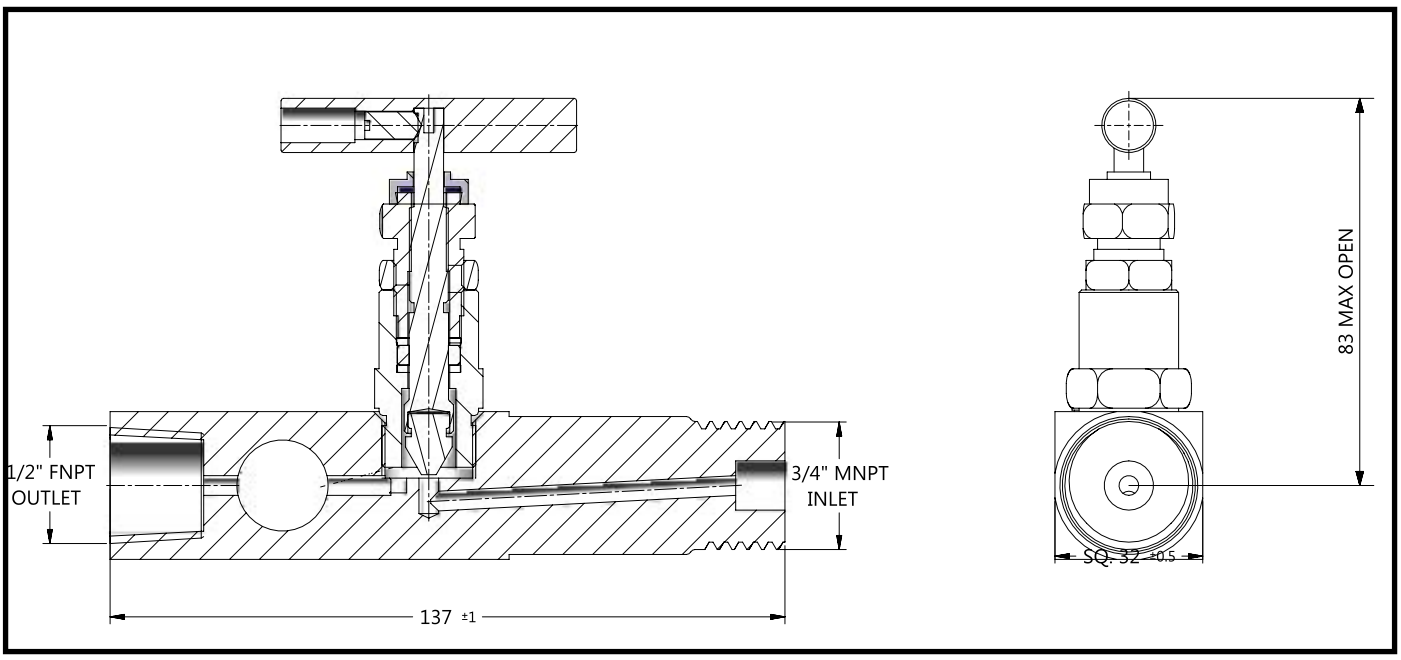
Inlet : 1/2" MNPT

Outlet : 1/2" FNPT

Bonnet Assembly :
- Screwed Bonnet Design
- Back Seat Blow Out proof

Spindle - Ground and thread rolled, packing below the threads

Spindle Tip - Non-Rotating tip shut-off type & soft Seated



Rev-05.01

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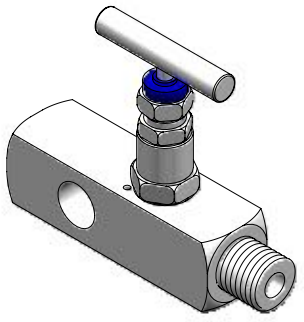
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Magwell Gauge Valve Model MGV-N-MF

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- Designed to mount directly to the instrument for isolation purposes during calibration or shutdown procedures.
- SS 316/316L Bar stock construction
- Standard Working Pressure 6,000 PSI with PTFE packing.
- Optional 10,000, 15,000 & 20,000 PSI available on request
- Grafoil offered for higher temperatures.
- Standard NPT End Connections.
- Heat Code Traceability.
- NACE MR-01-75 Compliant materials available on request.
- 3.1 Certificates furnished.
- PMI certificates available on request.

Optional Materials Available :
- SS 316L
- Hastelloy C276
- Monel



Temperature Rating :
- PTFE 450°F (232°C)
- Grafoil 700°F (371°C)

Body : Normal Body Type

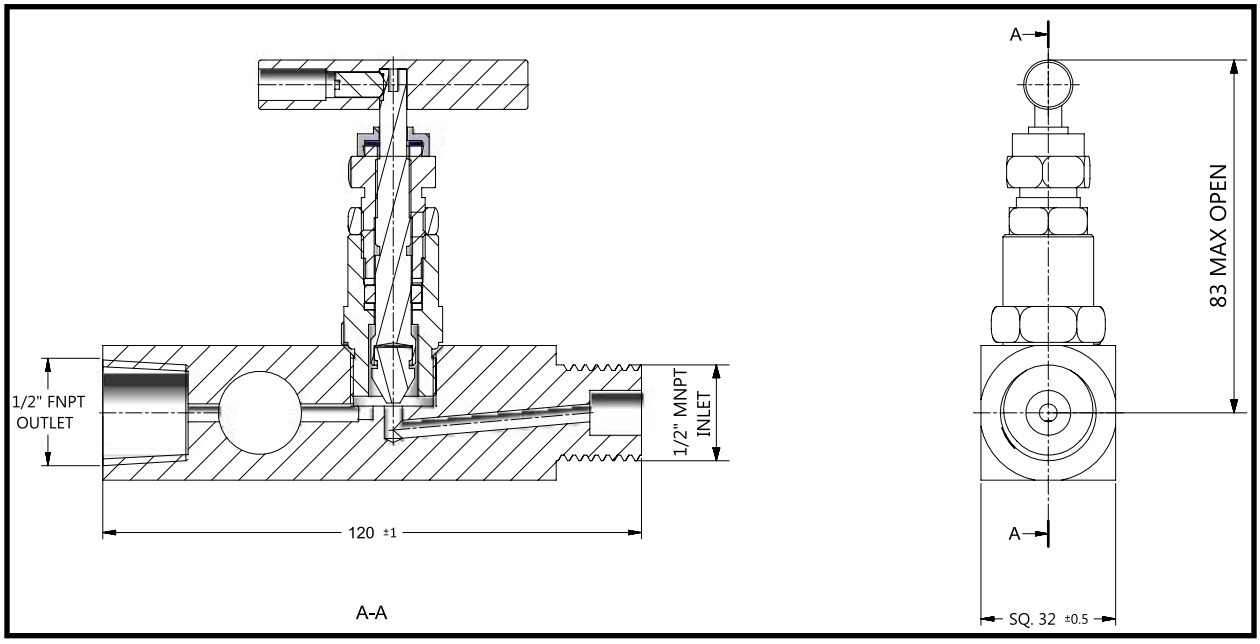
Inlet : 1/2” MNPT

Outlet : 1/2” FNPT

Bonnet Assembly :
- Screwed Bonnet Design
- Back Seat Blow Out proof

Spindle - Ground and thread rolled, packing below the threads

Spindle Tip - Non-Rotating tip shut-off type & soft Seated



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Magwell Gauge Valve Model MGV-N-FF

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- Designed to mount directly to the instrument for isolation purposes during calibration or shutdown procedures.
- SS 316/316L Bar stock construction
- Standard Working Pressure 6,000 PSI with PTFE packing.
- Grafoil offered for higher temperatures.
- Standard NPT End Connections.
- NACE MR-01-75 Compliant materials available on request.
- 3.1 Certificates furnished.
- PMI certificates available on request.

Optional Materials Available :

- SS 316L
- Hastelloy C276
- Monel



Temperature Rating :

- PTFE 450°F (232°C)
- Grafoil 700°F (371°C)

Body : Normal Body Type

Inlet : 1/4” MNPT

Outlet : 1/4” FNPT

Spindle - Ground and thread rolled, packing below the threads

Spindle Tip - Non-Rotating tip shut-off type & soft Seated

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