




Welker® Instrument Valves



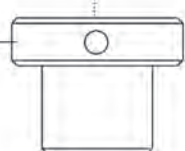
HEX SOCKET



OPTIONAL STAINLESS STEEL HANDLE



STANDARD ALUMINUM HANDLE (PROTECTS STEM IF DROPPED)



Applications

- Sampling
- Gas Chromatography
- Cylinder valves
- Test stands


Features and Benefits

- Soft seat design: positive shut-off
- Low operating torque: easily opens and closes under pressure
- Double O-ring stem below the stem threads: less prone to develop leaks
- Ported with a globe design: to reduce chilling due to Joule-Thomson effect
- Blow-out proof stem with durable construction: safe to operate at high pressure
- Rupture disc optional: complies with DOT CFR-49 for cylinders greater than 300cc


BONNET




O-RING




VALVE SYSTEM




O-RINGS



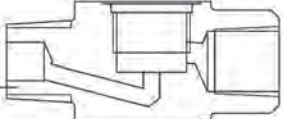
GLOBE



SEAT

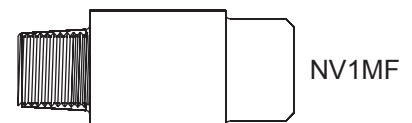
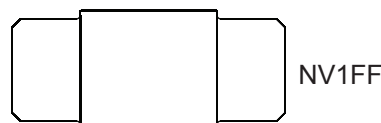
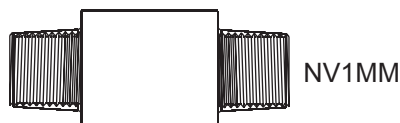


BODY



(NV1MF)

OPTIONAL BODIES



Welker® ... Engineering World Class Solutions!

Welker® Instrument Valves

Specifications*

Pressure Rating

6,000 psi (414 bar) rating

Temperature Rating

-20°F (-29°C) to +400°F (+204°C)
(Optional range to 550°F (288°C))

Connections

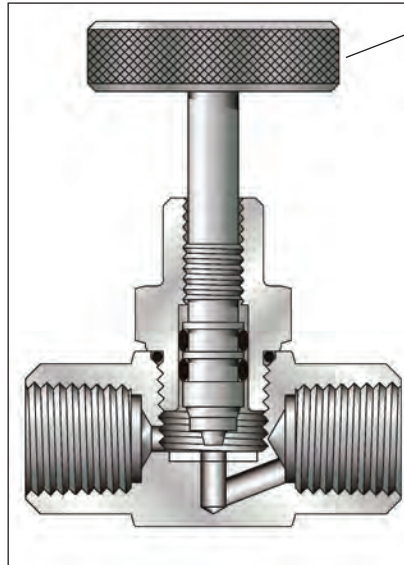
1/4" NPT connections in MM, MF or FF configurations

Flow Coefficients

cv for NV-1 is .182
cv for NV-2 is .290

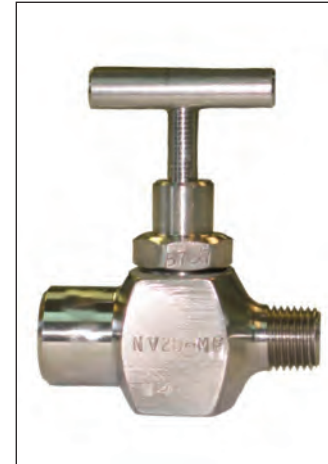
Materials

PARTS	MATERIALS
Body	316 stainless steel
Bonnet	316 stainless steel
Stem	17-4 PH stainless
Handle	Aluminum or stainless steel
Packing	Viton -20°F to +400°F maximum (dry heat only)
Soft Seat	Teflon



Model NV-1FF

Optional stainless steel handle



Model NV-2MF



Model NV-1MF (with Sulfinit coating)

*Specifications subject to change without notice.
Drawings/Photos may be shown with optional equipment.



Model NV-1R (rupture disc)



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