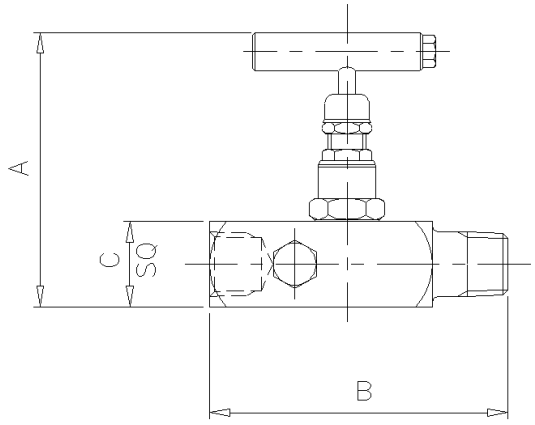
oliver valves
RELIABILITY UNDER PRESSURE

Product Data Sheet	GV Type Needle Valve



The 'GV' Type Gauge Vent Needle Valve is designed for safe and reliable isolation, giving bubble tight shut off, with non-rotating & anti-galling tip and dynamic self-adjusting spindle seal to give long service life in a variety of applications. The additional ability to bleed the gauge cavity to atmosphere and also connect a calibration device, via a ¼" NPT female connection, is included.

Part No.	Connections Size	A	B	C	Weight (Kgs)
GV1F	½"	3.6	3.1	1.1	0.5
GV1M	½"	3.6	3.9	1.1	0.5

Key Features of the Oliver Needle Valve range

- Non rotating tip - self centering & anti-galling
- Piston ring - gives dynamic adjustment of gland seal in response to pressure change
- Anti-blow out spindle - a major safety feature
- Secure seal - precision machined to give leak free operation for the life of the valve. Available in either PTFE or Grafoil

Standard Specification

Pressure: 6000psi	Packing: PTFE	Handle: T-Bar	Bore: 0.21" (5.4mm)
Temp: 240 deg C	Thread form: NPT	Seat: Metal to metal	CV: 0.46
1/2" Inlet / Outlet Connections		1/4" NPT Bleed Connection (Plugged)	

Ordering Code

(Typical example) →	GV1F	S	/	BT	/	AT

Type

GV1F - Female x Female
GV1M - Male x Female

Material

S - 316S31 Stainless Steel
M - Monel (400)
HC - Hastalloy (C276)
(Others available)

Optional Connections (NPT Standard)

BT - BSP Taper
BP - BSP Parallel (top sealing)
BW-SCH*** - Butt weld (Schedule ***)

Options

AG - Grafoil
AT - Anti-Tamper
HL - Handle Locking
HL-PI - Handle Locking + Position Indicator
HW - Hand Wheel
LT100 - Cryogenic Head Unit (-100°C)
MT - Metering Tip
MTG - Mounting Holes x 2
NA - NACE MR-01-75 (latest revision)
OXY - Oxygen Cleaned
PK - PEEK Soft Tip (not available oxygen cleaned)

Rev 1.1

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