

## Type G34B Reflex Gauge

The G34 Reflex gauge is a heavy duty (flat glass) liquid level gauge, suitable for high pressure/temperature combinations. The modular design is made up of compact and robust standard stainless steel precision cast elements.

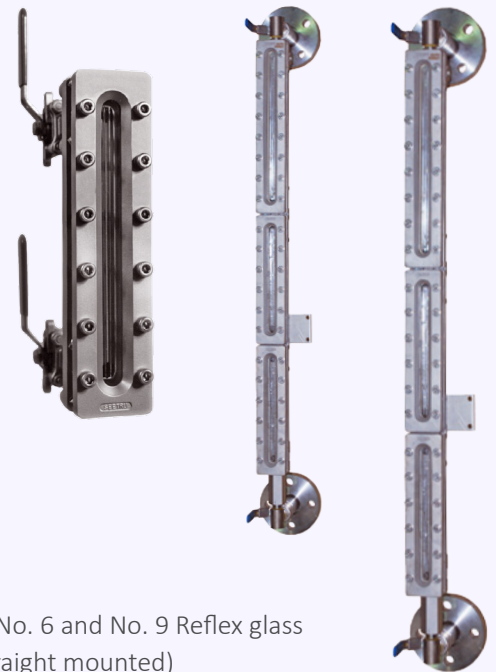
Variations on the isolating valves ranging from quarter turn ball valves to heavy duty hand wheel isolating valves complete with auto safety shut off safety features are available in a number of flexible configurations offering end mounted, side mount, rear entry connections, with full centre to centre visibility can be secured with minimum overall length.

### Example Applications

- Diesel (on land applications)
- Fuel oil (on land applications)
- Lubrication oil (on land applications)
- Water
- Coolant
- Chemicals
- Hot water/steam

### Specifications

- Maximum working pressure: 75 bar (depending on temperature and flanges)
- Maximum Operating Temperature: 250°C (depending on pressure)
- Minimum Operating Temperature: 0°C (without frost guard)
- For temperatures below 0°C to -30°C a frost guard is required
- Maximum Centre Distance: To suit requirements, gauges built in sections using No. 6 and No. 9 Reflex glass
- Minimum Centre Distance – 216mm (rear mounted/side mounted), 348mm (straight mounted)



### Materials of Construction

Component	Material
Valve Units (Flanges If Required)	Stainless Steel
Gauge Chamber	Stainless Steel
Glass	Borosilicate Reflex Glass BS3463
Glass to Chamber Seal	Asbestos Free Gasket

### Seal Materials

Seal Material	Temperature Range
PTFE	High Pressure up to 150°C
PTFE	Low Pressure up to 250°C
Polyimide	High Pressure Between 150°C and 250°C

Other seal materials available upon request.

### Connection Options

Type	Size
Threaded Connections	BSP Thread 1/2", 3/4" or 1"
	NPT Thread 1/2", 3/4" or 1"
Flanged Connections	DIN Flanges DN20 to DN50
	ANSI Flanges 3/4" to 2"

Other connections available upon request.



**Design:**

The G34B Reflex gauge is a heavy duty (flat glass) liquid level gauge, suitable for high pressure/temperature combinations. The modular design is made up of compact and robust standard stainless steel precision cast elements and uses No. 6 and No. 9 size Reflex glass.

**Column arrangements:**

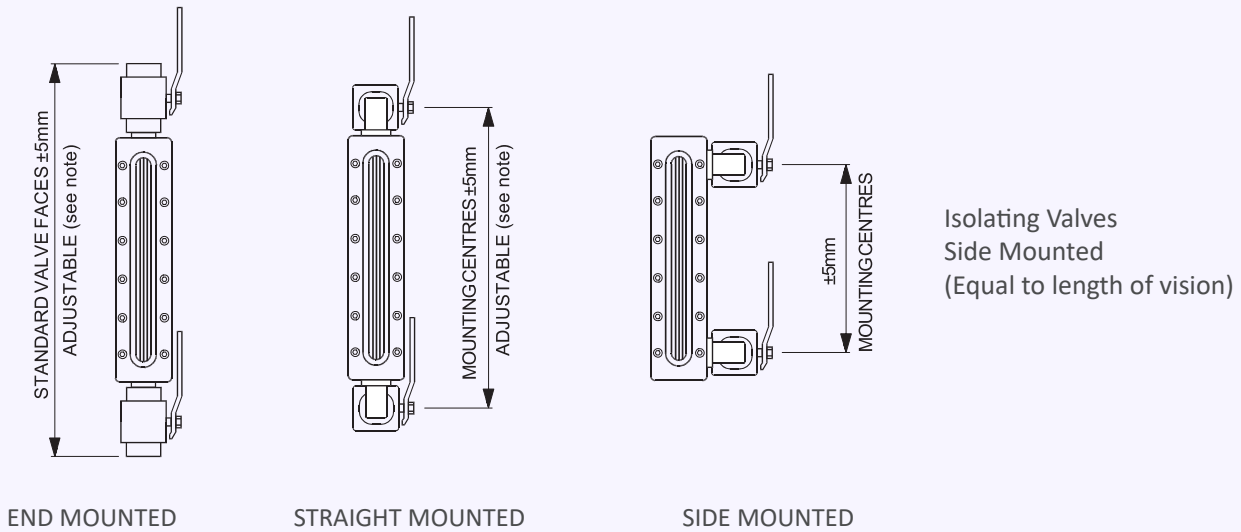
The Reflex gauge is available with either a straight or staggered column, and a choice of valve positions, to provide uninterrupted centre to centre liquid level indication. With the use of extension pieces most centre to centre distance requirements can be achieved.

**Graduation:**

Where a measure of the precise storage volume is required an engraved scale plate can be provided marked with the capacity units.

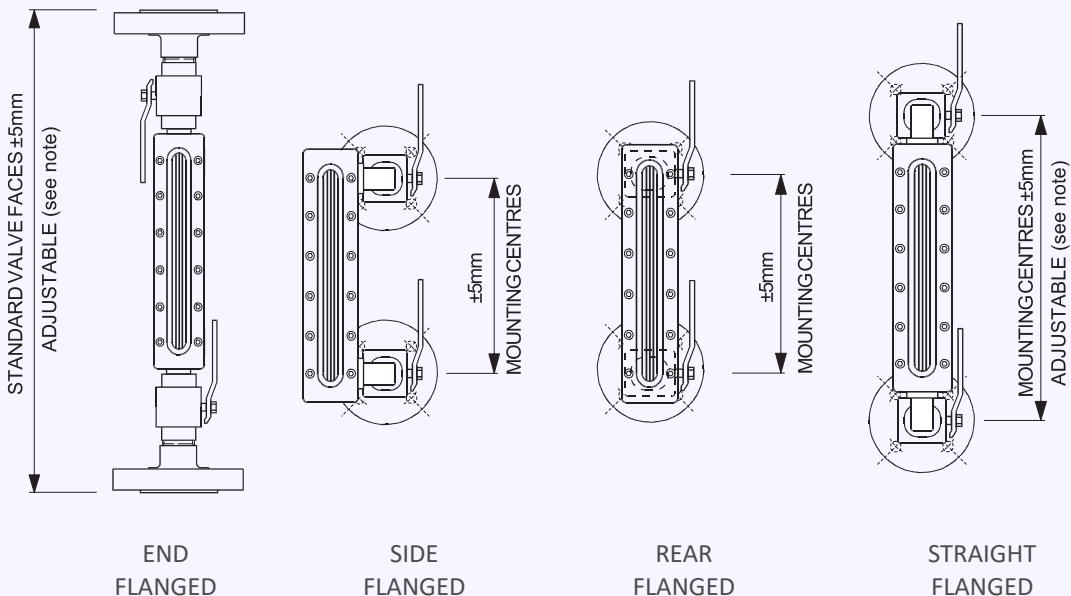
Inline Column Options:

**Ball valves with Threaded Connections:**



Inline Column Options:

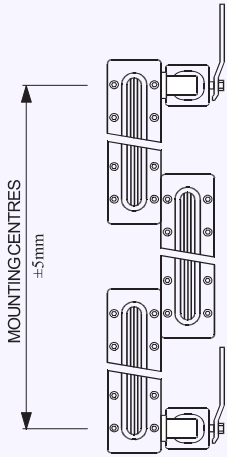
**Ball valves with Flanged Connections**



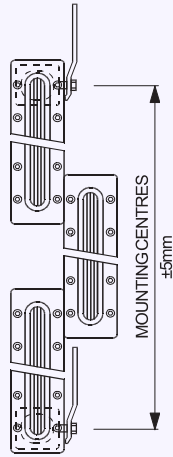


Offset Column Options:

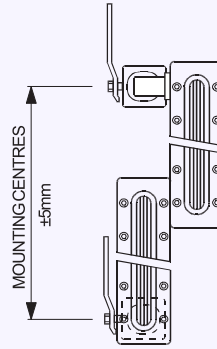
Ball valves with Threaded Connections:



STRAIGHT MOUNTED



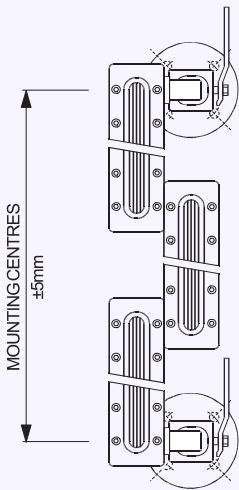
REAR MOUNTED



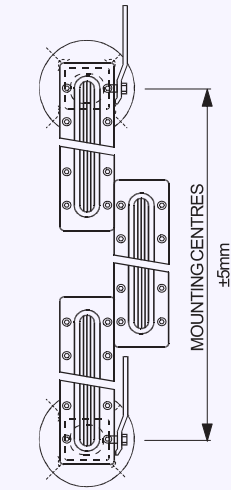
SIDE/REAR MOUNTED

(When an even number of column sections are required use 1 rear & 1 side mounted valve, For odd number of columns use either 2 rear or 2 side mounted valves).

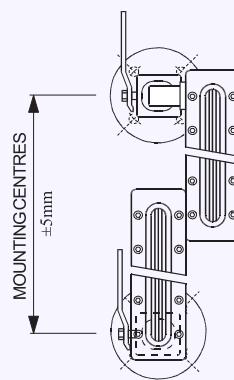
Ball valves with Flanged Connections



SIDE MOUNTED



REAR MOUNTED



SIDE/REAR MOUNTED

(When an even number of column sections are required use 1 rear & 1 side mounted valve, For odd number of columns use either 2 rear or 2 side mounted valves).