

HIGH  
EMISSIONS



Instrument hook-up with instrumentation valve | EMICOgauge

# Taking responsibility



Smart in sensing

# Prevent fugitive emissions



Safety for personnel



Safety for the environment



Safety for the instruments

Our needle valves can be supplied in accordance with EN ISO 15848-1 and VDI 2440.

The bonnets of these valves thus offer the following safety-relevant features: blow-out-proof valve spindle, non-rotating spindle tip with metal seat (low-wear operation), low torque for smooth and precise valve adjustment, even at high pressures.

The version to avoid fugitive emissions also offers a special sealing packing made of RTFE, a reinforced PTFE.

The corresponding valves are supplied with an orange ring on the bonnet and are thus clearly identifiable.

Needle valves and monoflanges are approved by the 3<sup>rd</sup> party in accordance with the international EN ISO 15848-1 for fugitive emissions.

## Applications

### Oil and gas

- Oil and gas production, FPSO
- Pipelines, compressor stations
- LNG
- FLNG
- FSRU
- Refineries

### Chemical and petrochemical industries

- Ammonia and methanol production
- Desulphurisation plants
- Fluid sampling systems
- and many more



## Our solution

- Ready-to-install pressure gauge-valve assembly
- Fugitive emission-safe, redundant design with “metal-to-metal sealing” and an additional redundant O-ring sealing with support ring
- Swivel connection between pressure gauge and valve
- Special sealing design of the fugitive emission valves in accordance with ISO 15848-1 with 3rd party approval
- Reduction of leakage points in pressurised systems
- Suitable for pressure up to 6,000 psi
- Safety pattern design per EN 837-1 (S3)



## Your benefits

- Prevents the potential danger from the leakage of hazardous gases and significantly reduces the risk of fugitive emissions.
- Compact design
- Also reduces assembly and commissioning time.
- 360° swivel connection (swivel adapter) enables easy replacement or positioning of the measuring instrument.
- The leak tested assembly fulfils the fugitive emission requirements per TA Luft (VDI 2440).



# Optimised design of EMICOGauge

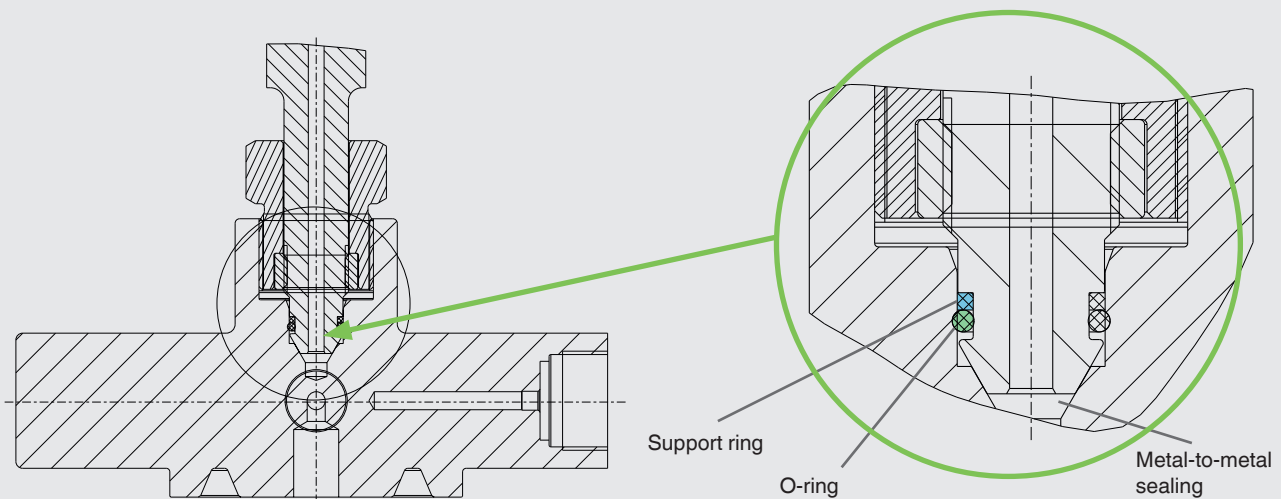
WIKA has reduced the traditional potential leakage paths for a pressure gauge, swivel adapter and shut-off valve from 3 to 1, through a special design which combines the pressure gauge and the valve.

The reduction of leakage points from 3 to 1 significantly lowers the risks of fugitive emissions and release of process media into the environment.

A helium leak test certificate is included in the standard scope of delivery for all assemblies.

Purchasing the pressure gauge and valve from WIKA reduces vendor lists and indirect purchasing costs.

**Pressure gauge can be rotated by 360°**



Safety pattern design  
Model 23x.30 or 26x.30

## Available options

- High pressure ranges
- Material certificate per EN 10204 3.1
- Liquid-filled case
- Various units of measurement
- Accuracy  $\pm 1\%$  FSD
- Stainless steel 316L and Monel 400

Redundant metal-to-metal sealing  
Swivel connection



Monoflange  
IVM



Block-and-bleed valve  
IV20



Needle valve and multiport valve  
IV10, IV11



Smart in sensing

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