

Replacement service For diaphragm seal systems with process transmitters

WIKA data sheet IN 00.37

Diaphragm seal systems with process transmitters

WIKA diaphragm seal systems with mounted process transmitters have proven themselves around the world for many years in a wide variety of applications in the process industry. The optimal diaphragm seal designs, materials and system fill fluids are available for difficult measuring requirements and for each application. WIKA can combine diaphragm seals with process transmitters from other recognised manufacturers into a single system.

The diaphragm seal systems can be used for demanding measuring requirements with extreme medium temperatures of -90 °C up to $+400\text{ °C}$ and difficult measuring tasks in the process industry. The diaphragm seal assemblies protect the process transmitter from aggressive, corrosive, heterogeneous, abrasive, highly viscous or toxic media.

For further technical information on diaphragm seals and diaphragm seal systems see IN 00.06 "Application, operating principle, designs".



WIKA differential pressure transmitter mounted to two flange-type diaphragm seals via a capillary



Direct mounting of a WIKA process transmitter to a flange-type diaphragm seal

Service advantages

Depending on the application case, the service life of the wetted diaphragm seal is obviously shorter than that of the process transmitter. Only in rare cases must defective diaphragm seal systems be replaced completely. By re-using the process transmitter, WIKA offers a service package with clear cost savings.

With the replacement service, through the exchange of the diaphragm seal, the TCO ("total cost of ownership") of the measuring point can be reduced considerably. The service life of the process transmitter is fully utilised.

Through preventive replacement around scheduled plant maintenance, downtime is reduced due to the fast replacement service.

Service scope

WIKA offers the replacement service both for its own diaphragm seal systems and also for those from other recognised manufacturers.

Procedure

- WIKA carries out a functional check and ensures that the process transmitter is working perfectly. The test result is confirmed by a certificate.
- Rebuilding ¹⁾ of the diaphragm seal system in accordance with the original WIKA standard specification.
- Recalibration of the diaphragm seal system

1) State-of-the-art weld seam at the system (AD 2000)

Options

- Optimisation of the capillary length and the system fill fluid
- Design of cooling elements
- Adaptation of the wetted parts
- Material certificates

Service centres worldwide



A steadily growing worldwide network of service workshops is available for the replacement service.

- Europe
- North America
- Latin America
- Asia
- Africa / Middle East
- Australia

Please do not hesitate to contact us at: www.wika.de

