



DIAPHRAGM SEAL ACCESSORIES

FLUSH RINGS

MEET **HIGH** SAFETY STANDARDS AND ENVIRONMENTAL PROTECTION

Flush Rings of AS-Schneider help in properly disposing of any gas or liquid residues during the maintenance and repair of measuring assemblies and accordingly to prevent clogging of the instrument connection.

Production facilities, where, for example, oil, fuel, gas, waste water and various chemicals are stored and processed must be equipped with transmitters for a safety process monitoring. These include various parameters such as pressure, differential pressure and level. The transmitters are connected to the system via a separate impulse line. In contrast to the process lines, there is no flow here only the static pressure of the medium. Every now and again, technicians have to check, calibrate or repair a transmitter. For this to happen, it has to first be removed from the impulse line. So that no leak is created at the measuring point in such a case, all measuring devices have a primary isolation valve with a needle valve or ball valve. This valve seals the transition between the process and impulse line and prevents a leakage of the medium.

Secure empty

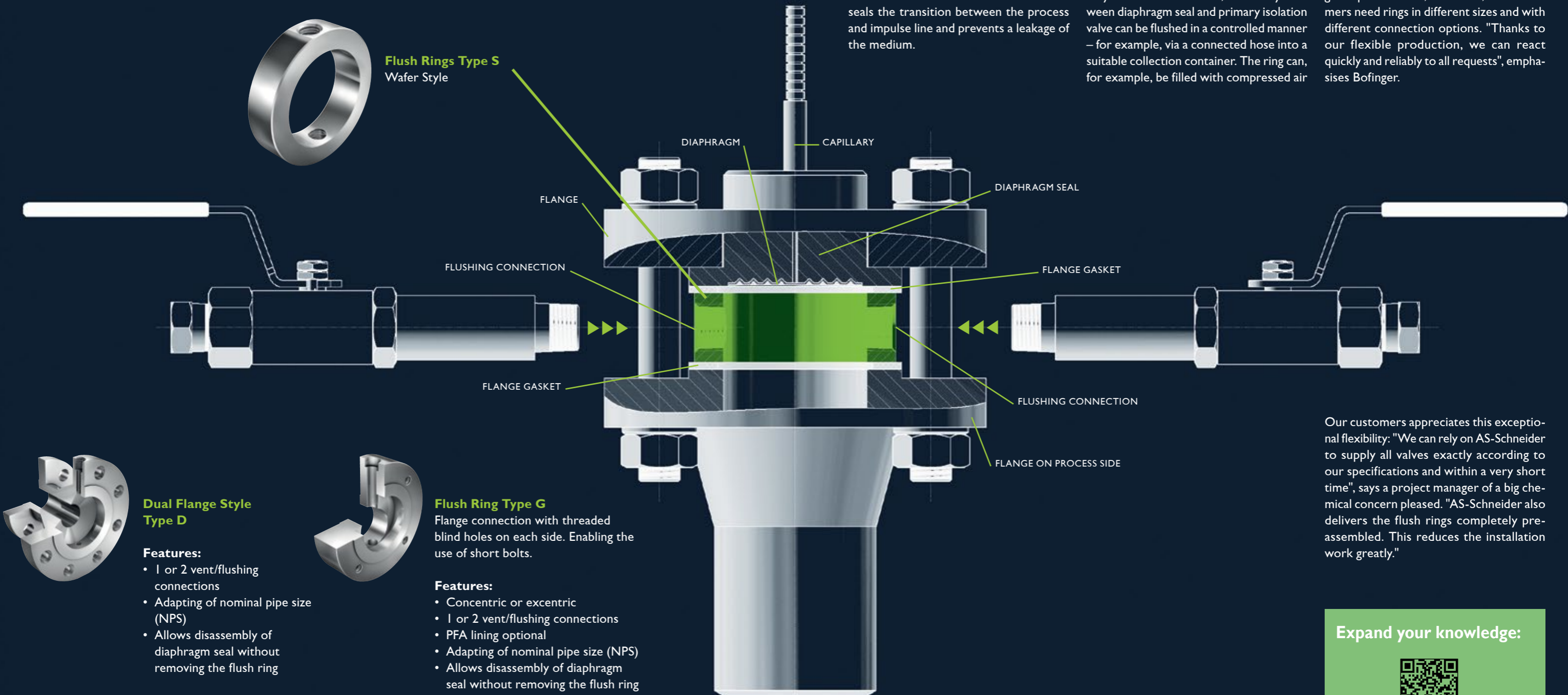
Even after closing the primary isolation valve, a residual amount of the pressurised medium remained in the pipeline section between the primary isolation valve and transmitter. In order to collect and dispose of this residue in a controlled manner and without injury to health, AS-Schneider offer a reliable method to empty the cavity between the primary isolation valve and transmitter.

The flush ring is mounted with a flange connection between the primary isolation valve and the diaphragm seal. The flush ring is provided with either one or two vent respectively flushing connections. If the ring only has one connection, the cavity between diaphragm seal and primary isolation valve can be flushed in a controlled manner – for example, via a connected hose into a suitable collection container. The ring can, for example, be filled with compressed air

or a detergent via the second connection and flushed out depending on requirements which the corresponding medium places on the system operator.

The best product for each plant

"We are producing the flush rings exactly according to customer requirements", Björn Bofinger, key account manager at AS-Schneider explained. "This can vary greatly, depending on which type of plant the rings are used in." AS-Schneider supplies the flush rings in different materials: Carbon and Stainless Steel, but also Exotic Alloys for specific applications. "The flush rings must also be lined with Teflon on the inside when handling certain media", Bofinger reported. And, of course, our customers need rings in different sizes and with different connection options. "Thanks to our flexible production, we can react quickly and reliably to all requests", emphasises Bofinger.



Flush Rings Type S
Wafer Style

Dual Flange Style
Type D

Features:

- 1 or 2 vent/flushing connections
- Adapting of nominal pipe size (NPS)
- Allows disassembly of diaphragm seal without removing the flush ring

Flush Ring Type G

Flange connection with threaded blind holes on each side. Enabling the use of short bolts.

Features:

- Concentric or excentric
- 1 or 2 vent/flushing connections
- PFA lining optional
- Adapting of nominal pipe size (NPS)
- Allows disassembly of diaphragm seal without removing the flush ring

Our customers appreciate this exceptional flexibility: "We can rely on AS-Schneider to supply all valves exactly according to our specifications and within a very short time", says a project manager of a big chemical concern pleased. "AS-Schneider also delivers the flush rings completely pre-assembled. This reduces the installation work greatly."

Expand your knowledge:



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