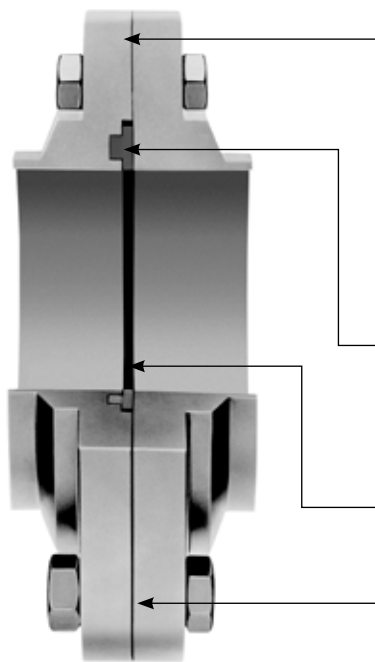




# FGN 1 Flange

The **APV FGN 1** flange connections are superior to DIN unions and are an essential component of process engineering plants, where proper cleaning and bacteriological safety are imperative. Special seals of extremely exact tolerances eliminate leakages and mechanical strain normally arising with DIN unions does not cause any wear to the elastomer. To meet every requirement, different elastomers are available. See table.



The metallic stop prevents the connection from being over-tightened and eliminates a mechanical load on this seal, thus seal life is extended considerably.

With this special seal you do not have to consider the usual tolerances of commercial seals. The expansion chamber prevents the seal from penetrating into the product space in case of heat expansion.

The **FGN 1** flange connection guarantees an absolutely safe clean due to smooth, crevice free connection.

Due to the flush fitting of the flanges, assembly and subsequent disassembly is eased.

|                       |                          |  |                    |
|-----------------------|--------------------------|--|--------------------|
| <b>Technical data</b> | <b>Sizes</b>             | <b>DN25 - DN250 / ISO 1" - 4"</b>  |                    |
|                       | Stainless steel material | 1.4404 / AISI 316L   | 1.4301 / AISI 304  |
|                       | Max. Temperature         | EPDM / HNBR 135°C (short time 140°C)<br>VMQ 135°C - not to be used for hot water<br>FPM 135°C - not to be used for steam |                    |
|                       | Pressure range           | DN25 - 50: 40 bar  | DN65 - 250: 25 bar |
|                       | Certificate              | 3.1.B  |                    |