

**Closure element for a vacuum valve
with pressed-off, vulcanized-on seal**

Abstract

5 Closure element (20''), in particular a valve disk, for a
vacuum valve and configured for the gastight closing of a
process volume by means of cooperation with a vacuum valve
opening, provided for the process volume, of the vacuum
valve, comprising a first sealing surface (22),
10 corresponding to a second sealing surface of the vacuum
valve opening, wherein the second sealing surface surrounds
the vacuum valve opening, and a sealing material (25')
vulcanized onto the first sealing surface (22) and in
accordance with its course and having a defined height in
15 the direction of the surface normal of the first sealing
surface (22), wherein the sealing material (25') has a
defined shape with respect to a sealing material cross
section, comprising a first seal portion (26), provided, in
particular, on the process volume side, and a second seal
20 portion, provided, in particular, facing away from the
process volume. The closure element (20'') has a
compression (24') adjoining the first seal portion (26) and
having a pressing edge (28), and the pressing edge (28) is
shaped and is configured with respect to the first seal
25 portion (26) such that the surface course of the sealing
material (25'), which surface course is given by the shape
of the first seal portion (26) and tapers into the pressing
edge (28), is continued in the cross-sectional direction
homogeneously, in particular linearly.

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Fig. 4