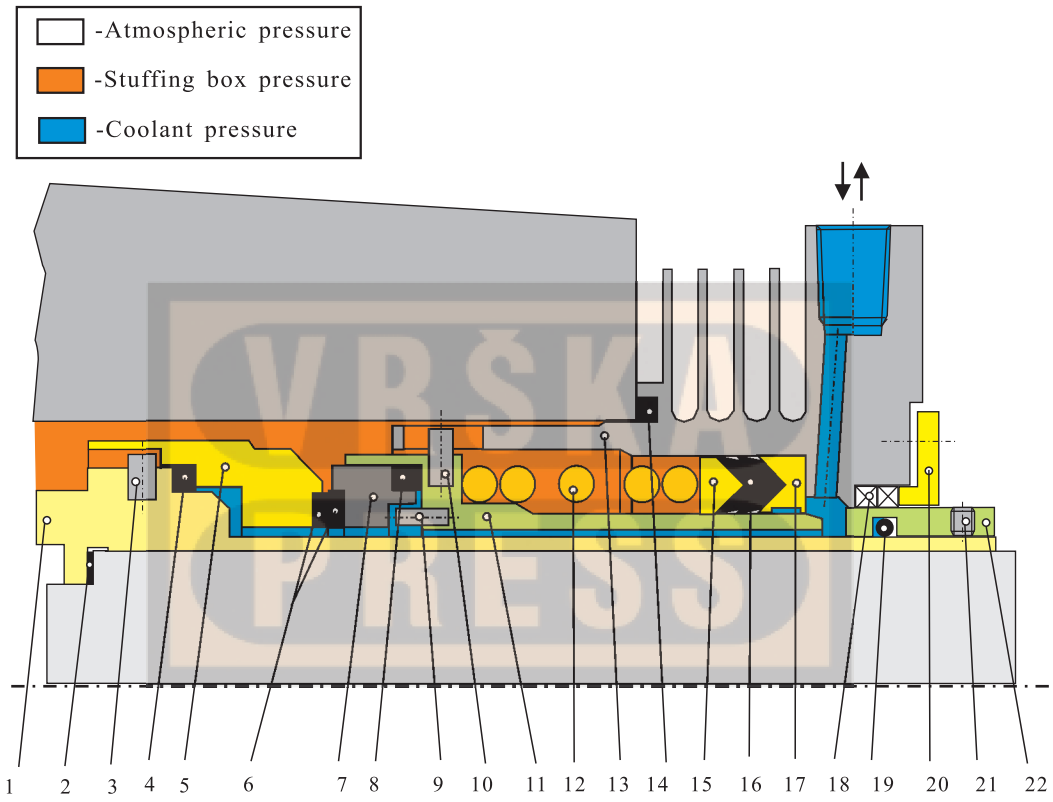
Type V4 ET

Single, Balanced, CARTRIDGE mechanical seal with cooling chamber

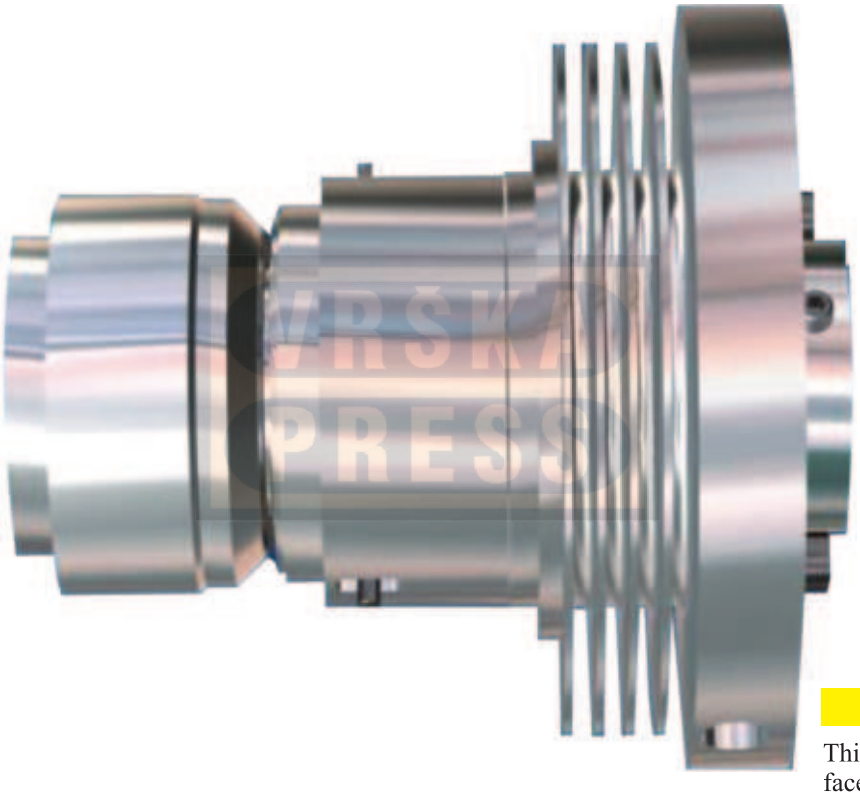


LIMITING FACTORS

p1 = 20 bar
t = 400°C
Vg =15 m/s
pV = 300 bar m/s

LIST OF ELEMENTS

1. Cartridge sleeve
2. Secondary sleev
3. Pin
4. Secondary seal
5. Rotary seal ring
6. Mechanical seal faces
7. Stationary seat ring
8. Secondary seal
9. Pin
10. Pin
11. Stationary seat support
12. Spring
13. Adapter with cooling chamber
14. Secondary seal
15. Thrust ring
16. Secondary seal
17. Ring
18. Packing
19. Secondary seal
20. Pressing sleeve
21. Fixing screw
22. Packing sleeve



Working conditions

This balanced CARTRIDGE mechanical seal is designed for work in extremely hard working fluid temperature conditions. Temperatures range up to 400°C, pressure up to 20 bar.

Design and constructive characteristics

This is an inner mechanical seal with counter sliding faces, where the stationary part is axially movable. Since the mechanical seal is designed for work at extremely high temperatures, certain kinds of soft graphite are used as secondary seals. In its composition, this seal contains a cooling chamber for cooling with a coolant from an independent source. The coolant sealing is performed by a packing or a shaft seal.