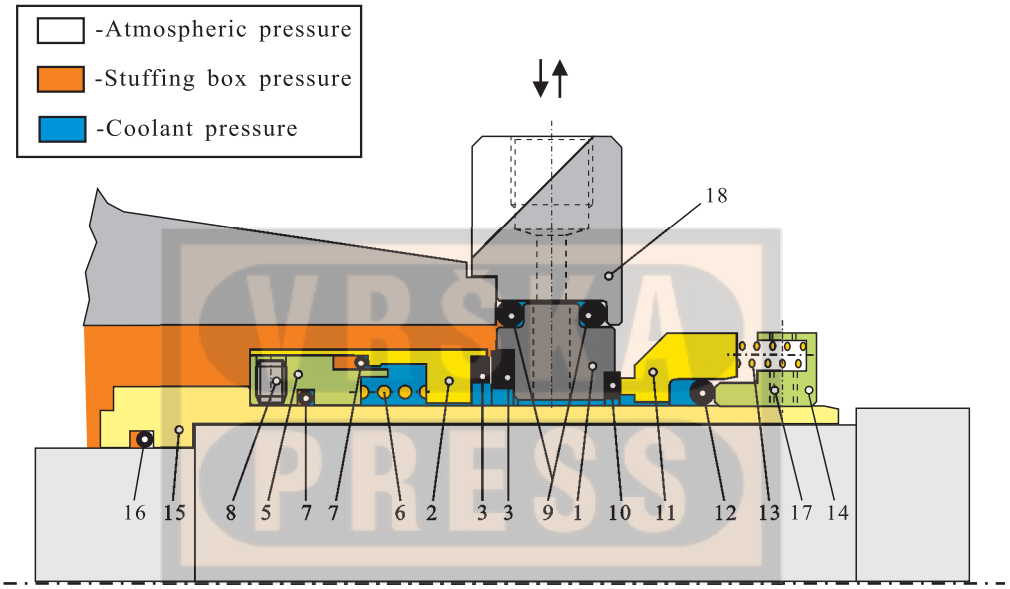
Type VX

Double, Balanced CARTRIDGE mechanical seal, with cooling chamber



LIMITING FACTORS

D1 = 40...110 mm
p1 = 15 bar
t = 204°C
Vg = 17 m/s
pV = 255 bar m/s

LIST OF ELEMENTS

1. Stationary seat
2. Inner mechanical seal
3. Inserted sliding face
4. Pin
5. Inner mechanical seal housing
6. Springs
7. Secondary seal
8. Fixing screw
9. Secondary seal
10. Inserted sliding face
11. Inner mechanical seal rotary seal ring
12. Secondary seal
13. Spring
14. Outer mechanical seal housing
15. Cartridge sleeve
16. Secondary seal
17. Fixing screw
18. Stationary seat with cooling chamber support

Working conditions

A double, balanced, cartridge mechanical seal with a cooling chamber design for work with crystallizing, sticky and abrasive fluids, at temperatures not exceeding 204°C and pressures up to 15 bar.

Design and constructive characteristics

This type of mechanical seals is used when it is necessary to seal a crystallizing, burning or freezing fluid, or a fluid whose particles can in any way damage critical parts of the mechanical seal. The sealing faces can be successfully flushed and cooled by means of buffer fluid, supplied between the two pairs of sealing faces from another source, at pressure higher than the working pressure. In practice this type of double cartridge mechanical seal is called “face to face”. It is the cartridge design that enables simple and efficient mounting, reduced to positioning of the whole cartridge package located on the sleeve and joining the additional cooling system connections.