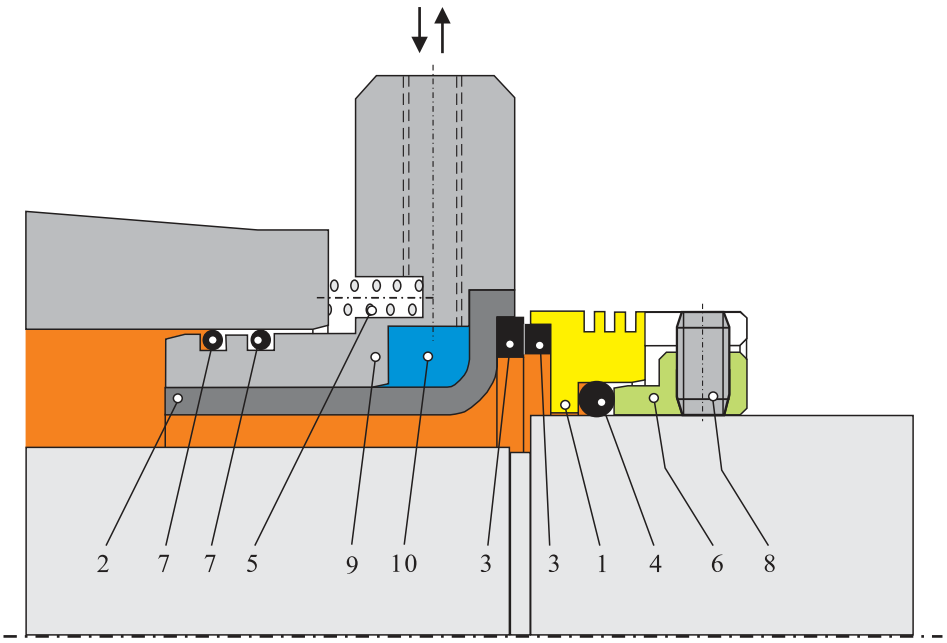
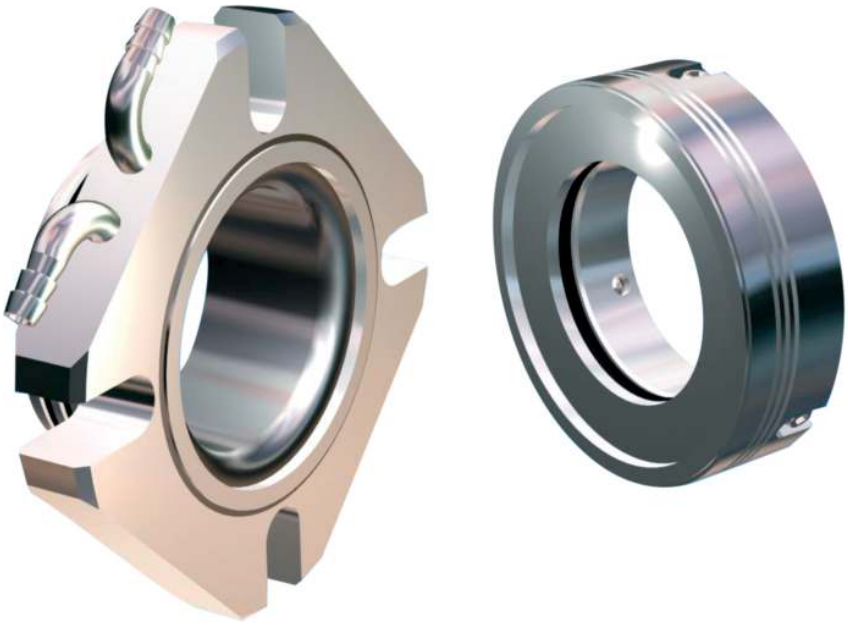
Type V8-2000

Single, Outer, Balanced mechanical seal with cooling chamber





Item	Description
1.	Rotary seal ring
2.	Stationary seat
3.	Insertet sliding face
4.	Secondary seal
5.	Spring
6.	Housing
7.	Secondary seal
8.	Fixing screw
9.	Stationary seat with cooling chamber supoprt
10.	Cooling chamber

LIMITING FACTORS

D1= 40... 110 mm
p1= 16 bar
t= 204°C
Vg= 5 m/s
pV= 45 bar m/s

PRODUCT DESCRIPTION

Although this type has many important advantages, like every other outer mechanical seal, it faces certain mounting limitations due to the challenge of heat removal from the mechanical seal faces. In this particular type of mechanical seal, this critical issue is solved by supplying coolant (water) from an independent source. The coolant circulates through the cooling chamber, removing the heat generated at the mechanical seal faces. In fact, this design where the stationary part of the mechanical seal also serves as a cooling chamber, completely separated from the working fluid provides optimal conditions for mechanical seal operation in extremely harsh industrial environments.

WORKING CONDITIONS

A single, outer, balanced mechanical seal designed for use in extremely harsh industrial conditions. It has proven to be very reliable when working with abrasive and crystallizing fluids at temperatures up to 204°C and pressures up to 16 bar.

APPLICATION

Sugar industry

General