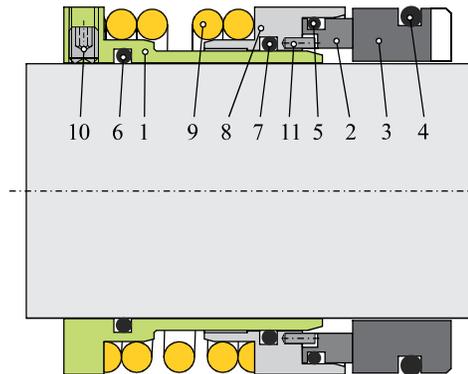


# Type Sever C & Sever C Double



O-ring pusher balanced (double) mechanical seal  
Independent of the shaft rotating direction



Item	Description
1.	Sleeve
2.	Rotary seal ring
3.	Stationary seat
4.	Secondary seal
5.	Secondary seal
6.	Secondary seal
7.	Secondary seal
8.	Housing
9.	Spring
10.	Screw
11.	Pin

## PRODUCT DESCRIPTION

The SEVER C mechanical seal is specially designed for oil refining applications, particularly for injecting wastewater into drill-holes after crude oil separation.

This mechanical seal operates under extremely harsh conditions, as the working fluid contains salt crystals, bentonite, and sand, highly abrasive media that include very hard silicon and other crystals. To meet such demands, the company „Vrška Press“ has developed an exceptionally hard and stable composite material for the rotating sliding face, while the stationary face is made of tungsten carbide. Due to the strong sedimenting nature of water, sand, bentonite, and caustic mixture (especially during potential flow jams) there is a high risk of the mechanical seal's moving parts becoming blocked. This risk is minimized through the use of a coil spring with extended compressibility.

The seal has an open design (with no pockets), allowing centrifugal force to expel sediment particles away from the sealing surfaces. During operation, the working pressure varies and can reach up to 84 bar, so the design of the mechanical seal must be balanced.

## WORKING CONDITIONS

An inner, balanced seal also available as a double seal designed for extremely hard industrial conditions. It is resistant to temperature, high pressures, abrasive, sticky, crystallizing and corrosive media. Temperature range: -40° to 204°C Pressure: up to 84 bar.



## APPLICATION



Oil & Gas



Petrochemical



Water treatment

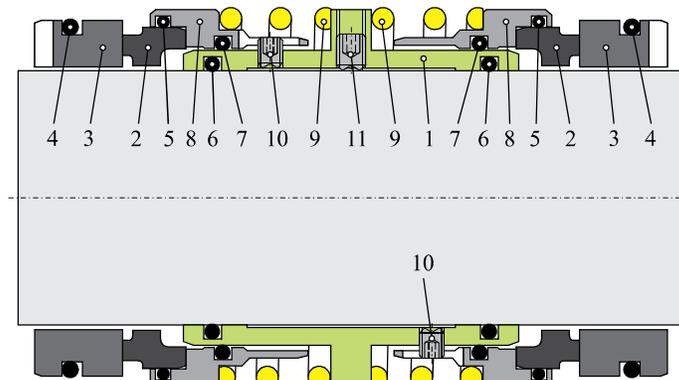


Food industry

## LIMITING FACTORS

D1= 25... 80 mm  
p1= 84 bar  
t= -40°... 204°C  
Vg= 20 m/s  
pV= 250 bar m/s

Item	Description
1.	Sleeve
2.	Rotary seal ring
3.	Stationary seat
4.	Secondary seal
5.	Secondary seal
6.	Secondary seal
7.	Secondary seal
8.	Housing
9.	Spring
10.	Screw
11.	Screw



04	SHAPE No.	STANDARD STATIONARY SEATS	V88	CODE No.
07			V88	V88
24			PP-PL	
25			W seat	
01			V88	V88