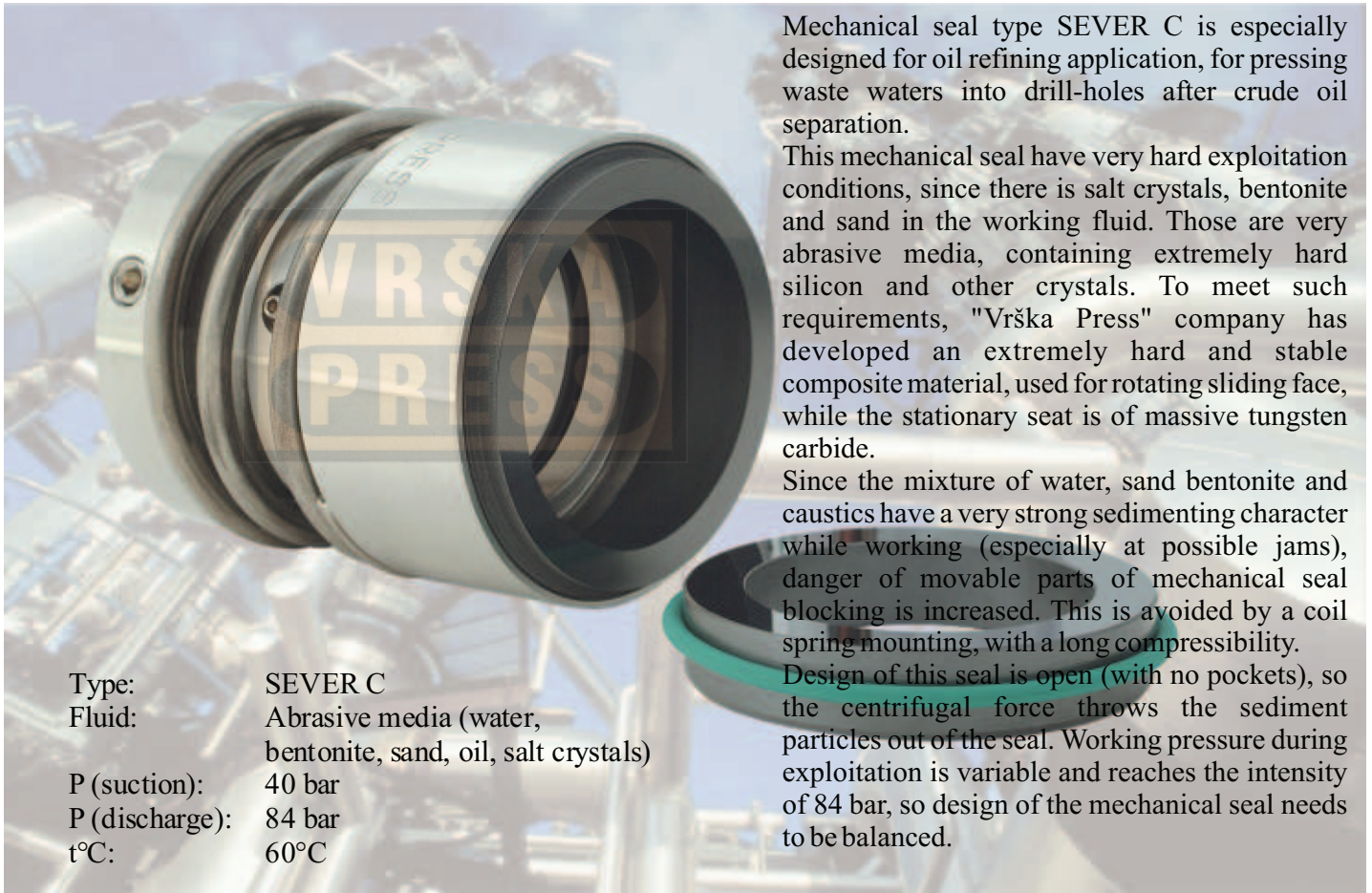


OIL APPLICATION



Mechanical seal type SEVER C is especially designed for oil refining application, for pressing waste waters into drill-holes after crude oil separation.

This mechanical seal have very hard exploitation conditions, since there is salt crystals, bentonite and sand in the working fluid. Those are very abrasive media, containing extremely hard silicon and other crystals. To meet such requirements, "Vrška Press" company has developed an extremely hard and stable composite material, used for rotating sliding face, while the stationary seat is of massive tungsten carbide.

Since the mixture of water, sand bentonite and caustics have a very strong sedimenting character while working (especially at possible jams), danger of movable parts of mechanical seal blocking is increased. This is avoided by a coil spring mounting, with a long compressibility.

Design of this seal is open (with no pockets), so the centrifugal force throws the sediment particles out of the seal. Working pressure during exploitation is variable and reaches the intensity of 84 bar, so design of the mechanical seal needs to be balanced.

Type:	SEVER C
Fluid:	Abrasive media (water, bentonite, sand, oil, salt crystals)
P (suction):	40 bar
P (discharge):	84 bar
t°C:	60°C