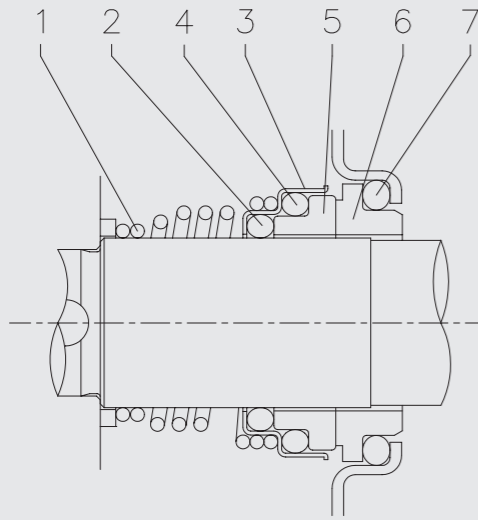
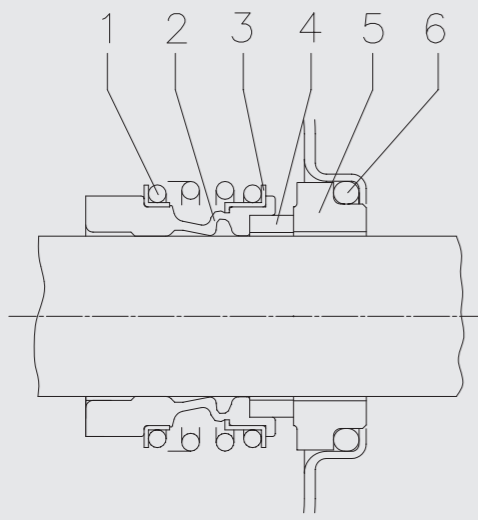


STANDARD MECHANICAL SEAL CONSTRUCTIONS



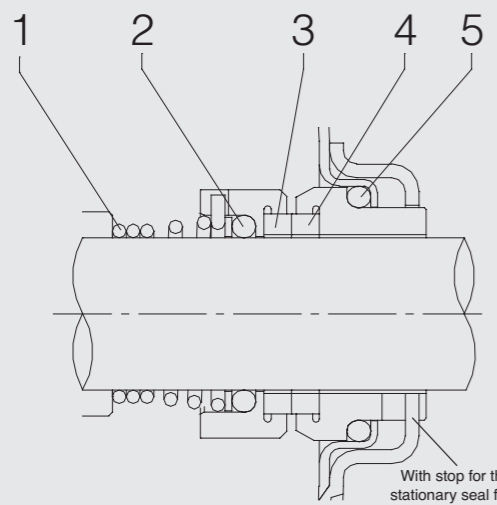
PUMP VERSION		STANDARD	H VERSION
SHAFT DIAMETER		Ø 22 - Ø 30	Ø 22 - Ø 30
MATERIAL	1 Self driving spring	EN 1.4401(AISI 316)	EN 1.4401(AISI 316) EN
	2 O Ring	NBR	FPM
	3 Frame	EN 1.4301(AISI 304)	EN 1.4301(AISI 304)
	4 O Ring	NBR	FPM
	5 Rotary seal ring	ceramic	ceramic
	6 Stationary seal ring	carbon graphite	carbon graphite
	7 O Ring	NBR	FPM

HS VERSION MECHANICAL SEAL CONSTRUCTIONS



PUMP VERSION		HS VERSION
SHAFT DIAMETER		Ø 22 - Ø 30
MATERIAL	1 Self driving spring	EN 1.4571(AISI 316Ti)
	2 Bellows	FPM
	3 Frame	EN 1.4571(AISI 316Ti)
	4 Rotary seal ring	SiC
	5 Stationary seal ring	SiC
	6 O Ring	FPM

3L SERIES MECHANICAL SEAL CONSTRUCTIONS



PUMP VERSION		3L
SHAFT DIAMETER		Ø 22 - Ø 30
MATERIAL	1 Self driving spring	AISI 316
	2 O Ring	FPM rubber
	3 Rotary seal ring	SiC
	4 Stationary seal ring	SiC
	5 O Ring	FPM rubber

On request special mechanical seal suitable for different fluids.

INDICATIVE TABLE OF MECHANICAL SEALS ACCORDING TO FLUID

Type of liquid	Application limit		Type of mechanical seal					
	Conc. % ≤	Temp. °C < ≤	STANDARD Cer/Carb/NBR	H Cer/Carb/FPM	ES1 SiC/Carb/EPDM	ES SiC/SiC/EPDM	HS1 SiC/Carb/FPM	HS SiC/SiC/FPM
Acetic acid	90%	70			■			
Alcohol (ethanol)	100%	50	■		■			
Alkaline cleaning agents (no oil)	5%	70				■		
Ammonia bicarbonate	10%	40			■			
Ammonia water (salmiac)	10%	60	■		■			
Antifreeze (ethylene glycol)	50%	130			■			
Beer		100			■			
Butano		70	■				■	
Citric acid	5%	80			■			
Cooling misture from 0° C to -10°C	30%	100		■				
Cooling misture until -30°C	50%	130			■			
Cooling water (without antifreeze)		60	■	■				
Cooling water, pH < 7.5(with antifreeze)		110		■				
Corn oil		150			■			
Cutting oil (clean)			■				■	
Demineralized water		90	■	■				
Diatermico oil	100%	-5/+110		■				
Diesel oil		70					■	
Distilled water		60	■	■				
Ethanol (alcohol)	100%	50			■			
Ethylene glycol	50%	-20/+90			■			
Foaming detergent		90			■			
Formic acid	1%	20			■			
Glycol - water - mixture		130			■			
Hydrated lime<10%		80				■		
Hydraulic oil (no mineral)		80			■			
Hydrocarbon and derived (max 140°C)		140					■	
Kerosine		80					■	
Lime milk	2%	80				■		
Lubricating oil			■				■	
Methyl alcohol (Methanol)	100%	50	■		■			
Mineral oil		150						■
Oil - water emulsion (clean)		60	■				■	
Oil until 150°C		150					■	
Phosphoric acid	5%	30						■
Polyglycols		90					■	
Propanol (propyl alcohol)		80		■				
Sea Water		40		■				■
Silicone oil		90	■	■				
Sodium bicarbonate	6%	20		■				
Sodium carbonate	6%	60			■			
Sodium hydroxide (caustic soda)	5%	60				■		
Sodium hydroxide (caustic soda)	3%	80			■			
Sodium nitrate	10%	60			■			
Sodium sulphate	5%	60				■		
Soy-bean oil		150						■
Sulphuric acid	2%	20						■
Swimming-pool water		40		■				
Tannery baths		90						■
Thermal water basic		50			■			
Thermal waters acide		50					■	
Vegetable oil, pure		150						■
Vinegar	5%	70	■		■			
Vodka	100%	-5/+80			■			
Washing agents (containing tensides)	10%	70			■			
Water		110		■				
Water for metal cleaning, pH <12		80				■		
Water with marble powder	5%					■		
Wine			■		■			
Wine with infusorial earth						■		