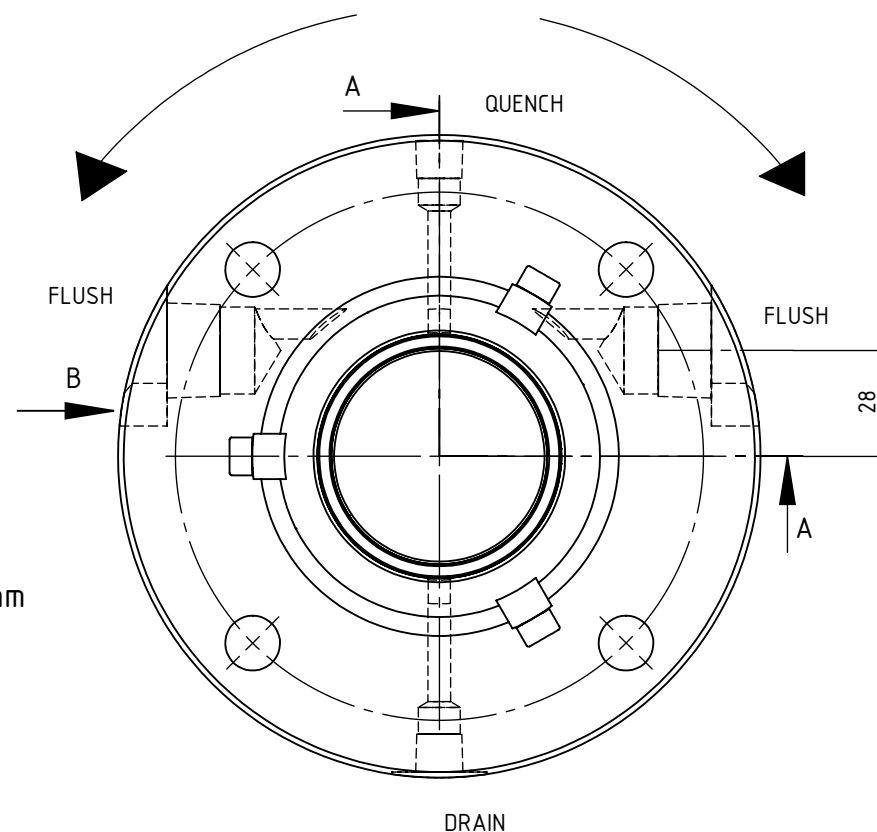


VIEW B

FOR CCW ROTATION SHAFT
RIGHT PUMPING SCREW - A

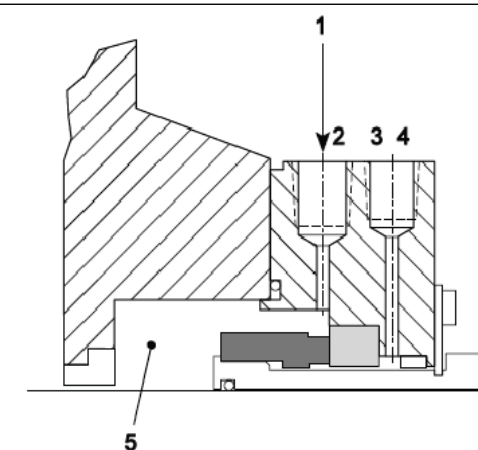
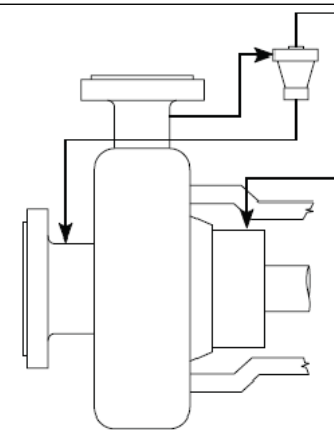
FOR CW ROTATION SHAFT
LEFT PUMPING SCREW - B



- MIN RADIAL GAP BETWEEN ROTATING AND STATIC PARTS: 1,5 mm
- MAX AXIAL MOVEMENT: ± 2 mm

Before startup, the operating manual and the safety notes have to be read and observed

API PLAN 31 SCHEMATIC



- 1 - from clean discharge connection of cyclone separator
- 2 - flush (F)
- 3 - quench (Q)
- 4 - drain (D)
- 5 - seal chamber

In Plan 31 there is recirculation from a high pressure region of the pump (typically the pump discharge or the pump discharge piping) through a cyclone separator delivering the clean fluid to the seal chamber. The solids are delivered to the pump suction line. Plan 31 is specified only for services containing solids with a specific gravity at least twice that of the process fluid. A typical use of this plan is water service to remove sand or pipe slag. In Plan 31, product is routed from the discharge of the pump into a cyclone separator. Solid particles are centrifuged from the stream and routed back to suction. The seal flush is routed from the cyclone separator into the flush connection on the seal gland plate.

21	O-ring 58,42x2,62	1	Viton	
20	O-ring 75,79x3,53	1	Kalrez	
19	O-ring 75,87x2,62	1	Kalrez	
18	O-ring 56,82x2,62 (58,42x2,62)	1	Kalrez	
17	Set screw M6x10 DIN 915	3	A2-70	DIN 915
16	Set screw M6x12 DIN 916	6	A2-70	DIN 916
15	Set screw M6x10 DIN 912	3	A2-70	DIN 912
14	Assembly fixtures	3	Al	
13	Plug NPT 3/4"	1	Č.4580	
12	Plug NPT 1/4"	2	Č.4580	
11	Pin \varnothing 3x8	2	Č.4580	
10	Gasket	1	PTFE	
9	Drive ring	1	Č.4580	
8	Snap ring \checkmark 1,8	1	X12CrNi 17.7	
7	Throttle ring	1	PTFE+Grafit	
6	Spring \varnothing 5	12	X12CrNi 17.7	
5	Pin \varnothing 4x13	2	Č.4580	
4	Stationary seal face	1	SiC	
3	Rotary seal face	1	SiC	
2	Gland plate	1	Č.4580	
1	Sleeve	1	Č.4580	
Poz	Naziv	Kol	Materijal	Br.crteža

Date	29.09.2022.	Description	Dimension
Drawn		API 682 code 11A-FIQ-0571-31	\varnothing 57,1
Checked		UCC/0571/Q1Q1KGG GA-102 A/B	
Approved		Designed for - NIS	
		Drawing No.	Scale:
		1355290922	L
Orig.from:	Replac. for:	Replac. by:	