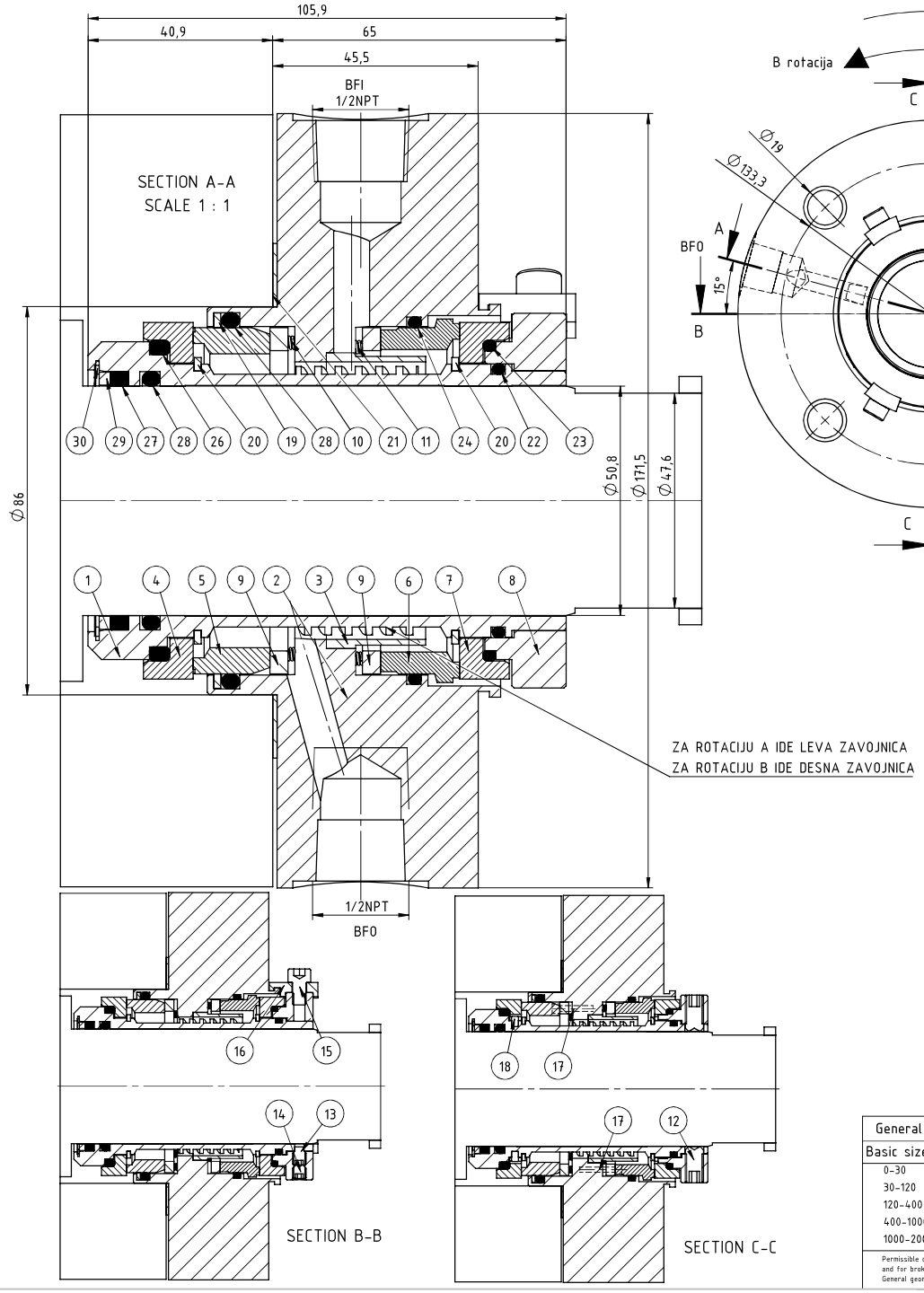
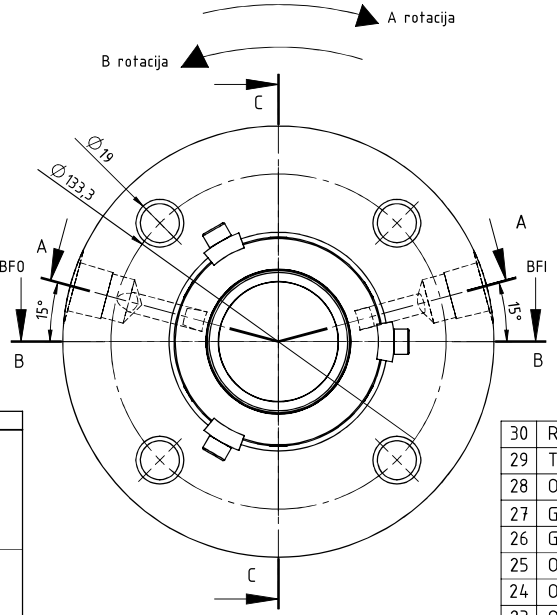
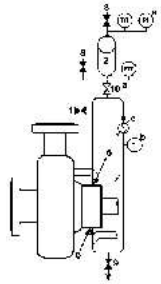




API PLAN 53B



1-make-up barrier liquid
2-bladder accumulator
3-bladder charge connection
5-liquid barrier out (LBO)
6-liquid barrier in (LBI)
8-vent
9-barrier fluid drain
10-valve (for checking accumulator bladder integrity)
PI-pressure indicator
PIT-pressure transmitter with local indicator
TI-temperature indicator
TIT-temperature transmitter withlocal indicator

API PLAN 53B

Pre-pressurized bladder accumulator provides pressure to circulation system. Heat removed by air/water heat exchanger. Forced circulation with pumping ring

Pos	Description	QTY	Material	Drw. No.
30	Retaining ring	1	304	1143270323-15/15
29	Trust ring	1	316	1143270323-14/15
28	O-ring 50,39x3,53	1	Kalrez HT(FFKM)	
27	Grafoil for sleeve	1	Grafoil	
26	Grafoil for rotary seal face	1	Grafoil	
25	O-ring 75,8x3,53	1	Kalrez HT (FFKM)	
24	O-ring 75,87x2,62	1	Viton (FKM)	
23	O-ring 64,77x2,62	1	Viton (FKM)	
22	O-ring 55,25x2,62	1	Viton (FKM)	
21	Gasket	1	PTFE	1143270323-13/15
20	Retaining ring	2	304	1143270323-12/15
19	PTFE ring	2	PTFE	1143270323-11/15
18	Pin ∅3x4,5	2	304	1143270323-10/15
17	Pin for stationary seal face	4	304	1143270323-9/15
16	Assembly fixtures	3	Al	1143270323-8/15
15	Set screw M6x10 DIN 912	3	A2	
14	Set screw M6x6 DIN 916	3	A4	
13	Set screw M6x6 DIN 915	3	A2	
12	Set screw M8x16 DIN 916	6	A4	
11	Spring ∅3	12	301	
10	Spring ∅3	12	301	
9	Trust ring	2	316	1143270323-7/15
8	Drive collar	1	316	1143270323-6/15
7	Rotary seal face	1	TC (U2)	1450140422 05
6	Stationary seal face	1	Carbon EK 3205	1143270323-5/15
5	Stationaty seal face media	1	SSiC (Q1)	1450140422 06
4	Rotary seal face media	1	TC (U2)	1450140422 05
3	Adapter for gland plate	1	316	1143270323-4/15
2	Gland plate	1	316	1143270323-3/15
1	Sleeve	1	316	1143270323-2/15

General tolerances	
Basic size	Tolerances
0-30	±0.1
30-120	±0.15
120-400	±0.2
400-1000	±0.3
1000-2000	±0.5

Unless Stated
Corners: R0.4
Edges: 0.3-00.5x45°
(or Radius 0.3-0.5)
Surface Roughness:

Permissible deviations of angular dimensions and for broken edges as pe ISO 2768-m
General geometrical tolerances as per ISO 2768-K

Date	27.03.2023.
Drawn	
Checked	
Stand	

Description: UCD-GA/0508/U2Q1G/KGG-BU2VGG/A-B GA-104
Dimension: ∅50,8
Designed for – NIS
Drawing No.: 1143270323-1/15
Scale: P
Orig.from:
Replac. for:
Replac. by: