

PARTS LIST

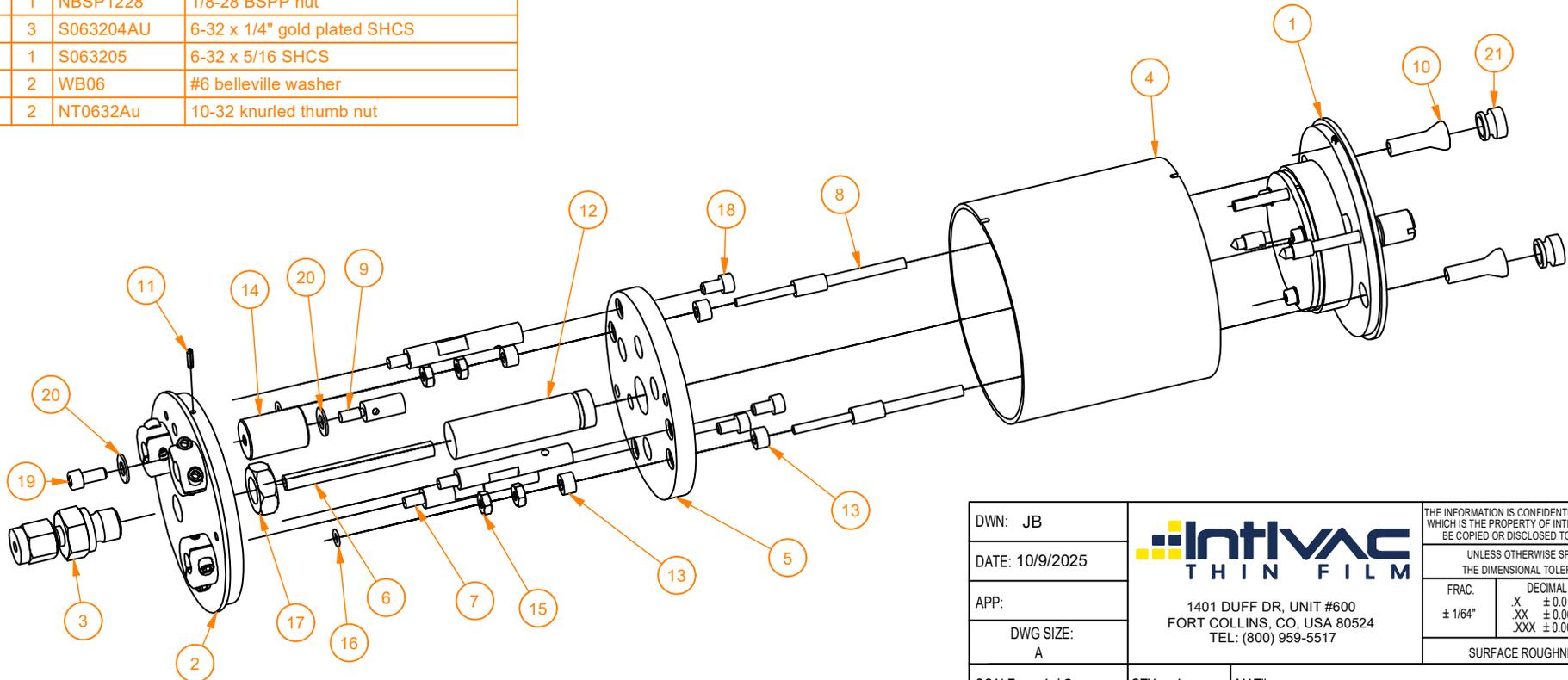
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	40103-90	Mark 1+ anode assembly
2	1	40103-07	Mark 1+ base weldment
3	1	40103-08-1	1/8-28 BSPP to 1/8 Compression Adaptor
4	1	40103-09	Mark 1+ body
5	1	40103-10	Mark 1+ partition plate
6	1	40103-11	Mark 1+ gas tube
7	3	40103-12	Mark 1+ standoff
8	2	40103-13	Mark 1+ cathode connector
9	1	40103-15	Mark 1+ female anode connector
10	2	40103-16	Mark 1+ cathode connector sleeve
11	1	40103-18	Mark 1+ spring pin
12	1	40103-20	Mark 1+ magnet
13	4	40103-21	Mark 1+ partition plate insulator
14	1	40103-22	Mark 1+ anode insulator
15	4	N0440AU	4-40 gold plated nut
16	2	W04-1	Specialty #4 washer
17	1	NBSP1228	1/8-28 BSPP nut
18	3	S063204AU	6-32 x 1/4" gold plated SHCS
19	1	S063205	6-32 x 5/16 SHCS
20	2	WB06	#6 belleville washer
21	2	NT0632Au	10-32 knurled thumb nut

SOURCE IS TO BE TESTED AND SEALED IN PLASTIC

SHIPPING IS TO INCLUDE TESTING CERTIFICATE

SPARES KIT CONTAINS THE FOLLOWING:

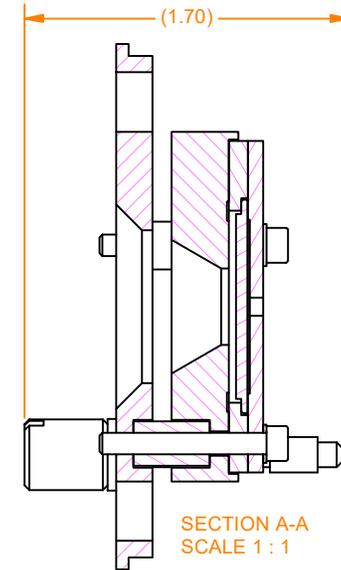
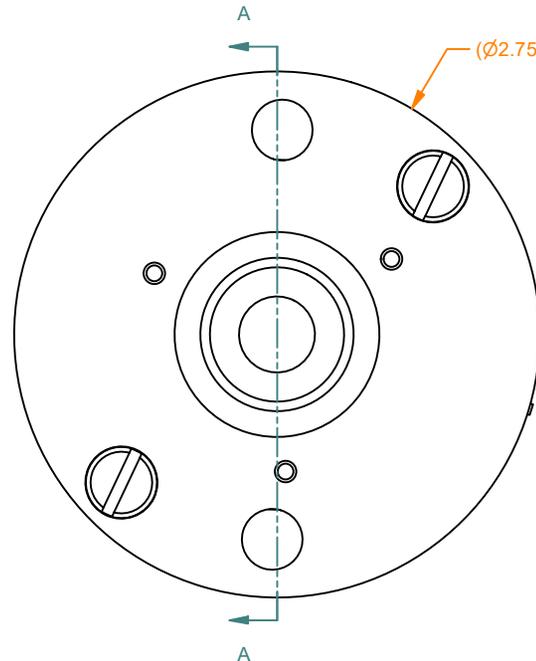
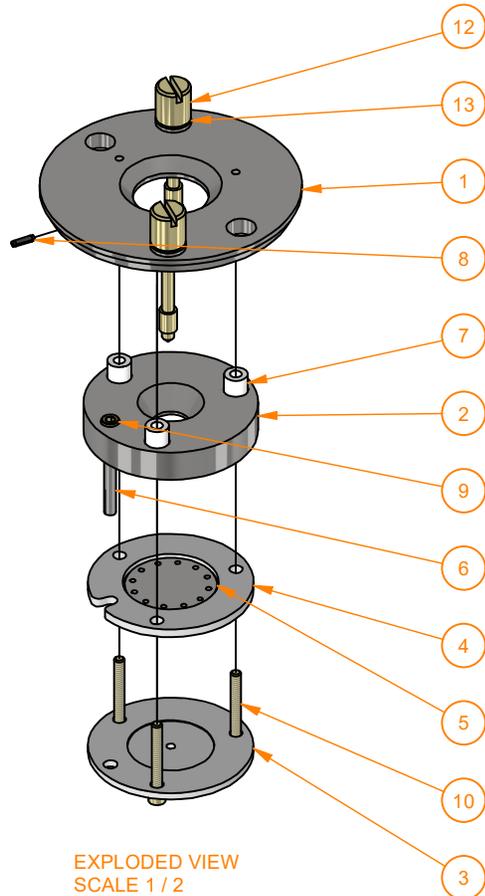
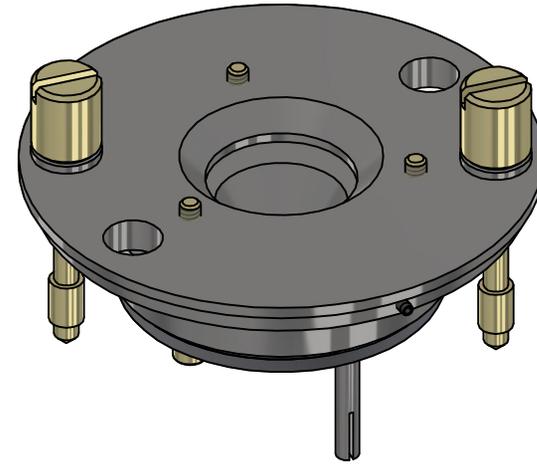
- 10 FILAMENTS (40103-14)
- 3 W04-1 WASHERS
- 3 S044014AU SCREWS
- 1 S044002AU SCREW
- 2 NT0632AU THUMB NUTS



DWN: JB	 1401 DUFF DR, UNIT #600 FORT COLLINS, CO, USA 80524 TEL: (800) 959-5517	THE INFORMATION IS CONFIDENTIAL ON THIS DRAWING WHICH IS THE PROPERTY OF INTIVAC AND MUST NOT BE COPIED OR DISCLOSED TO A THIRD PARTY.		
DATE: 10/9/2025		UNLESS OTHERWISE SPECIFIED, THE DIMENSIONAL TOLERANCES ARE:		
APP:		FRAC.	DECIMAL	ANG.
DWG SIZE: A		± 1/64"	X ± 0.010" .XX ± 0.005" .XXX ± 0.001"	± 0.30°
SCALE: 1 / 2	QTY: 1	MATL:	SURFACE ROUGHNESS 32/	
TITLE: MARK 1+ ION SOURCE				
REF #	DWG # 40103-ITF	SHEET. 1 / 1	REV. 0	THIRD ANGLE

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	40103-01	Mark 1+ pole piece
2	1	40103-02	Mark 1+ anode
3	1	40103-03	Mark 1+ gas retainer bottom
4	1	40103-04	Mark 1+ gas retainer top
5	1	40103-05	Mark 1+ stainless gas distributor
6	1	40103-06	Mark 1+ male anode connector
7	3	40103-17	Mark 1+ pole piece insulator
8	1	40103-18	Mark 1+ spring pin
9	1	S044002AU	4-40 X 1/8" gold plated SHCS
10	3	S044014AU	4-40 x 7/8 gold plated SHCS
11	3	W04-1	#4 slim flat washer
12	2	SCP103220Au	10-32 x 1.25" captive panel screw
13	2	W10	#10 FLAT WASHER



DWN: JS	 1401 DUFF DR. UNIT #600 FORT COLLINS, CO, USA 80524 TEL: (800) 959-5517	THE INFORMATION IS CONFIDENTIAL ON THIS DRAWING WHICH IS THE PROPERTY OF INTIVAC AND MUST NOT BE COPIED OR DISCLOSED TO A THIRD PARTY.		
DATE: 10/9/2025		UNLESS OTHERWISE SPECIFIED, THE DIMENSIONAL TOLERANCES ARE:		
APP:		FRAC.	DECIMAL	ANG.
DWG SIZE: A		± 1/64"	X ± 0.010" XX ± 0.005" .XXX ± 0.001"	± 0.30°
SCALE: 1:1	QTY: 1	MATL:	SURFACE ROUGHNESS 32	
TITLE: ANODE ASSEMBLY MARK I+				
REF #	DWG # 40103-90-ITF	SHEET. 1/1	REV. 0	THIRD ANGLE