




REVISION HISTORY			
REV	REVISION COMMENT		DATE
A	Released		MADA

- NOTES:-
1. THIS IS A UHV ASSY - CLEAN IN ACCORDANCE WITH APPROPRIATE PROCEDURES.
  2. NO SILICON OR SULPHUR BASED FLUIDS ARE TO BE USED.
  3. PROTECT BELLOWS FROM DAMAGE AT ALL TIMES.
  4. BELLOW UNIT SPECIFICATION:
    - SIZE : 41 OD x 26 ID
    - MATL : 316L STAINLESS STEEL
    - THK OF ONE PLY : 0.13mm
    - EXTENDED LENGTH : 221mm (BELLOWS ONLY)
    - FREE LENGTH : 173,8 mm (AT REST - BELLOWS ONLY)
    - COMPRESSED LENGTH : 63.4mm (BELLOWS ONLY)
    - AXIAL STROKE : 155mm (MAX)
    - CONVOLUTIONS : 135
    - SPRING RATE : 0.41 N/mm (NO VACUUM)
    - SPRING FORCE: 65.3 N (WITH VACUUM)
    - RESULTANT FORCE: 77.1 N (WITH VACUUM)
    - LIFE: 30,000 CYCLES MINIMUM
    - OP TEMP: 20°C
    - BO TEMP: 80°C (MAX)
    - VACUUM PRESSURE: 5X10-9 mBar MIN.
    - LEAK RATE: 1X10-9 mBar l/s MAX.
  5. ASSEMBLE ACORDING TO U.H.V COMPONENT SPECIFICATION.
  6. ALL WELDS TO UHV STANDARD.
  7. DO NOT EXCEED STROKE LENGTH AS THIS WILL REDUCE SERVICE LIFE.
  8. BELLOWS DESIGNED FOR 155MM STROKE MAX +/- 2.5MM FOR TOLERANCES ON ACTUATOR BUILD UP.

3	1	Bellow Ø34,9/Ø21,1, Flange		AISI 316L
2	1	Bellow Ø41/Ø26- 155 Stoke		AISI 316L
1	1	Bellow Ø34,9/Ø21,1, Flange		AISI 316L
POS.	QTY.	DESCRIPTION	PRODUCT NO.	MATERIAL
 <b>DANFYSIK</b> www.danfysik.com danfysik@danfysik.dk Phone: +45 7220 2400		Size: <b>A3</b>	Customer:	Surface machining:
		Scale: <b>1 : 1</b>	Order No.:	Surface treatment: UHV Clean
		 EN 22768 - mK	Date: 17-03-2017	Material: See Notes
				Mass: 1,1 kg
<b>Important:</b> This document contains informations which are the property of DANFYSIK A/S Denmark. It is submitted to you in confidence that it will not be disclosed or transmitted to others or used for manufacturing without DANFYSIK's authorization in writing.		 EN 22768 - mK	Description: <b>Bellow Ø41/ Ø26- 155 Stroke</b>	
			Product No.: <b>7103034307</b>	
			Doc. No.:	
			Rev.: <b>A</b>	
App. by 17-03-2017 MNP		Check by 17-03-2017 KHG		CAD Program: Inventor AIS 2015
Drawn by jthe		Date: 17-03-2017 Name: KHG		Plot date: File name: 7103034307.idw
				Sheet: 1 of 1