


MODEL	L	H	LEGACY MODEL EQUIVALENT SIZE
DPT-E-020-UHV	40.5	44.2	DPT-C-S-UVAC
DPT-E-050-UHV	75	76.7	DPT-C-M-UVAC
DPT-E-110-UHV	126.1	127.8	DPT-C-L-UVAC

NOTES:

1. **DO NOT TWISTING HEAD RELATIVE TO BODY** USE 8mm TOOL PROVIDED, (IF IT SHOULD TWIST **PUSH DOWN HARD** ON HEAD AT THE SAME TIME USE TOOL TO REALIGN/CENTRE.
2. WHILE THE ACTUATOR CAN TAKE LARGE AXIAL LOADS, **SIDE LOADS SHOULD BE AVOIDED** OTHERWISE ACTUATOR DAMAGE COULD OCCUR. IDEALLY THIS CAN BE DONE BY MOUNTING THE ACTUATOR USING HEMISPHERICAL ENDS ACCESSORIES (BEP5) SO THAT OFF AXIS LOADS ARE NOT TRANSMITTED.
3. UHV KAPTON WIRES ARE DELICATE AND MUST BE HANDLED WITH GREAT CARE TO AVOID DAMAGE. **DO NOT CRUSH OR KINK WIRE. CABLE MUST NOT BE BEND LESS THAN A RADIUS OF 20mm.** THE CABLES SHOULD EXIT PERPENDICULAR TO THE ACTUATOR BODY, DO NOT BEND WITHIN 40mm OF WIRE EXIT POINT.
4. **CAUTION ENSURE CONNECTIONS MATCH EITHER SIDE OF FEEDTHROUGH (+ve to +ve etc) TO AIRSIDE CABLE. INCORRECT ASSEMBLY COULD LEAD TO PIEZO DAMAGE AND A RISK OF ELECTRIC SHOCK.**
5. DO NOT CLAMP ON ON HOUSING.
6. UHV MODELS ARE MADE OF LOW OUTGASSING MATERIALS. THEY CAN BE BAKED OUT AT 90 °C MAX FOR 24 HOURS OR MORE, PRIOR TO INSTALLATION TO MINIMISE INITIAL OUTGASSING.
7. HANDLE WITH CLEAN GLOVES.

TITLE	DPT-E-###-UHV INSTALLATION DIAGRAM				APRVD.		3RD ANGLE  DO NOT SCALE IF IN DOUBT ASK
DRG. No.	SHEET 1 OF 1	ISS.	A	DRAWN	JC	TOLERANCE UNLESS OTHERWISE STATED ±0.1mm BREAK ALL SHARP EDGES	
MATL.				SCALE	2:1		
FINISH	CLEAN			DATE	18.12.24		
PRIOR Scientific Instruments Ltd. Fulbourn, Cambridge.							

ECN	REV	CREATED	APP	DATE	DETAILS
	A	JC			