



1K2K Dosing and Dispensing Private Limited
Plot No. A-44/1/A-55, Rajmata Jijau Mahila
Industrial Premises, Chakan MIDC Road,
Phase II, Vasuli, Tal-Khed, Dist. Pune- 410501



ADoST Pen Manual

ABSTRACT

This document provides step by step handling and maintenance of ADoST Pen, including but not limited to every aspect of the equipment that an operator is expected to know and observe.



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ADoST- Pen

Year of Manufacturing- 2024

USER MANUAL

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Manufacturer - 1K2K Dosing and Dispensing Pvt. Ltd.

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Information ownership

This Handbook is intended for the users of ADoST Pen and for the education of maintenance technicians. Drawings, Instructions, Tables and anything else enclosed in this handbook are strictly technical and are the property of 1K2K Dosing and Dispensing and the same cannot be reproduced, divulged, either completely or partially, without written authorization by 1K2K Dosing and Dispensing Pvt. Ltd.

It is absolutely forbidden for the technicians and the operators to leak the information contained in this manual and to use this manual for a purpose different from those tied up to the good maintenance and use of the ADoST dosing system.

1K2K Dosing and Dispensing Pvt. Ltd. cannot be considered to be in charge or prosecutable for damages brought by wrong use of this user manual. It is important to read and to understand the whole documentation supplied with the system, in order to avoid hazards caused due to wrong operations or maintenance.



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1 DEFINITIONS

1.	User	The person using the system
2.	Adhesive	Dispensing Adhesive
3.	Tube	Pinch Tube
4.	Al	Aluminium



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2 INTRODUCTION

ADoST Dispensing Pen is a precision tool designed for accurately applying adhesives such as anaerobic, cyanoacrylate, UV-curable, and two-component adhesives. This pen accessory facilitates the precise and controlled dispensing of adhesives, ensuring optimal placement and consistency. It is especially useful in applications requiring detailed work and fine control, enhancing the efficiency and accuracy of adhesive applications in various industrial and manufacturing processes.

Its ergonomic design allows for comfortable, extended use without fatigue.



3 GENERAL INFORMATION

This Handbook is divided into sections to make it useful to understand every information about the system life cycle and to easily find that information necessary for the end user.

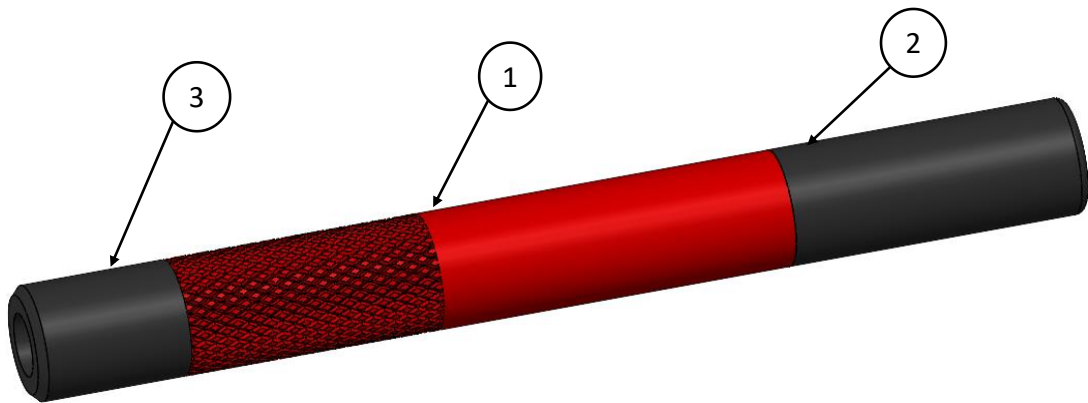
This document is specifically developed for ADoST Pen model and the information given in this handbook can help users in achieving the best system performances while ensuring the long life-cycle to its components.

Due to ongoing developments and safety requirements and regulations system outfitting may be different from the one described in this document. In such a scenario, descriptions and procedures should be construed as generic. Quoted drawings and pictures are intended for example only.

4 SYSTEM'S SPECIFICATIONS

Model Number	ADoST-MP-3-0	ADoST-MP-6-0
Weight	33 gm	
Length	125mm	
Diameter	14mm	
Compatible Tube Model Number	ADoST-PT-23-1C-SE-0-5 ADoST-PT-23-1C-SE-1-0 ADoST-PT-23-1C-SE-1-5 ADoST-PT-23-1C-SE-2-0	ADoST-PT-46-1C-SE-0-6 ADoST-PT-46-1C-SE-0-8 ADoST-PT-46-1C-0-4 ADoST-PT-46-1C-0-6 ADoST-PT-46-1C-0-8

4.1 SYSTEM COMPONENTS



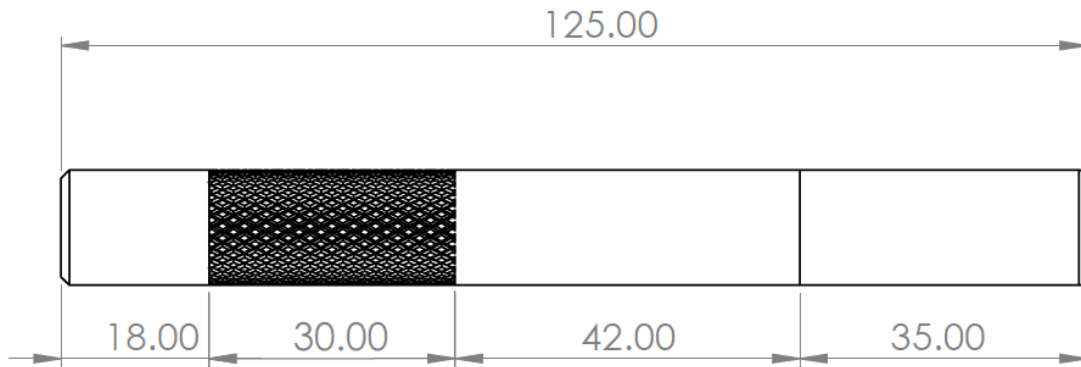
- Middle Body:** The ADoST Pen features an aluminium body, making it lightweight and corrosion-resistant. The body is hard anodized to enhance the pen durability. Also consist Knurling for Proper grip.
- Top Part:** The plug provides outer support for the tube, keeping the pinch tube stationary during operation.
- Bottom Part:** This port is designed to Hold Nozzle at stationary position.



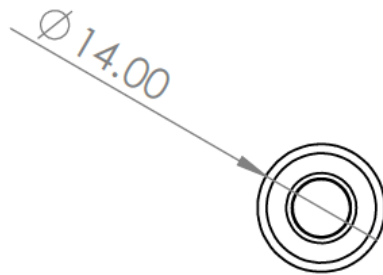
4.2 DETAILED DIMENSIONS

All dimensions are in mm

4.2.1 Front View







4.2.2 Side view





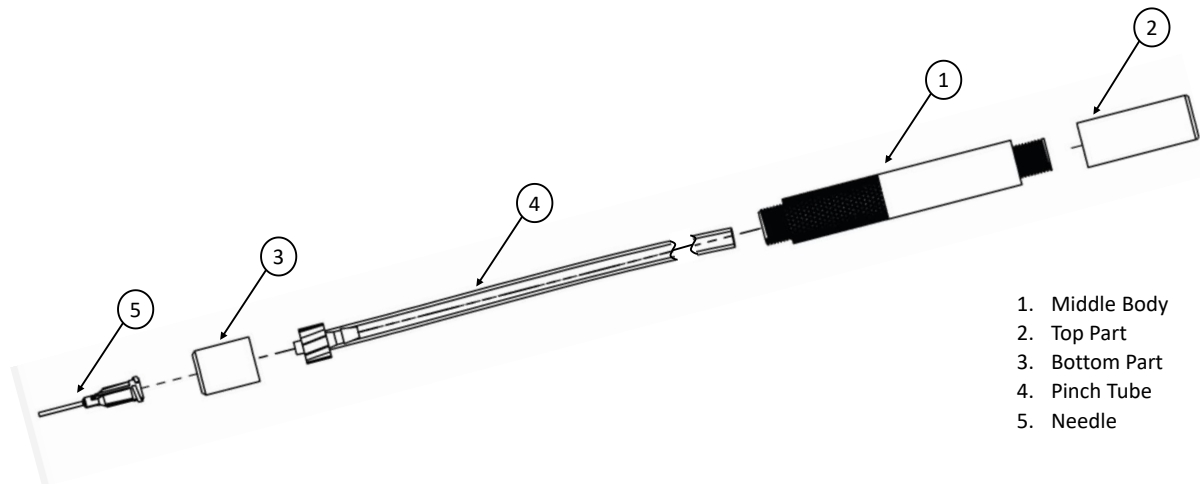
5 SAFETY PRECAUTIONS

1.	Wear safety gloves	
2.	Wear safety glasses	
3.	Wear face mask	
4.	Wear safety shoes	

6 SYSTEM SETUP

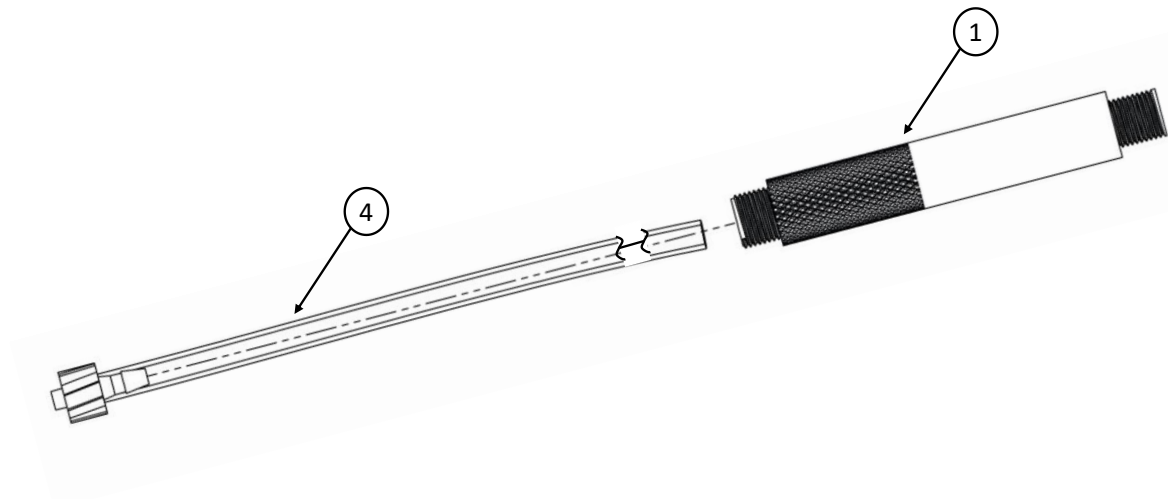
Below are the step-by-step instructions to be followed for setting up the system

6.1 PART IDENTIFICATION

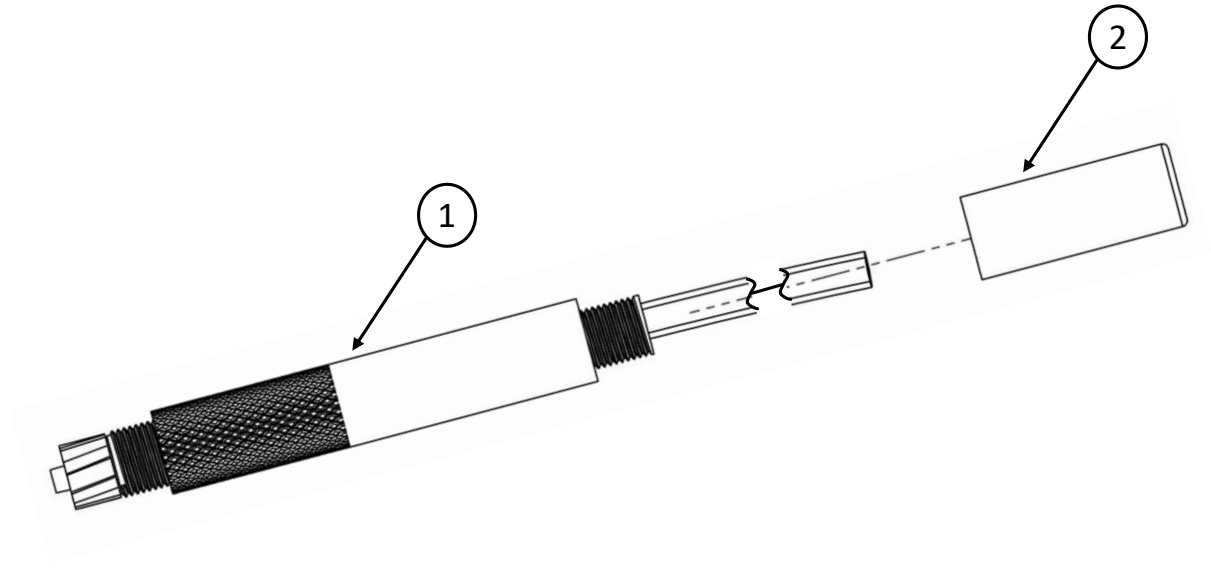


6.2 TUBE INSERTION

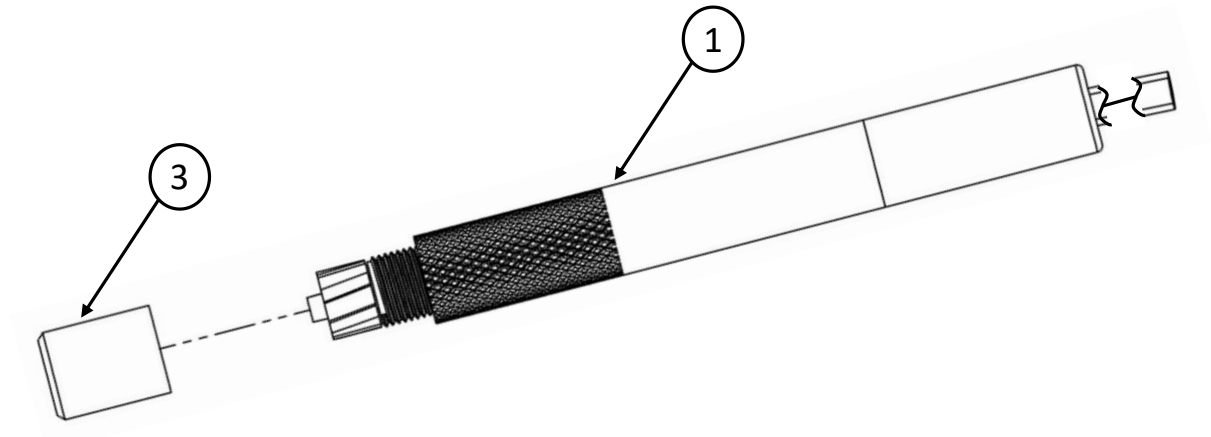
1. Detach Top Part (2) and Bottom Part (3) from Middle Body (1) by rotating which are connected through threading.
2. Pass though Pinch Tube (4) from Middle Body (1) and make sure connector position will as be shown in Figure.



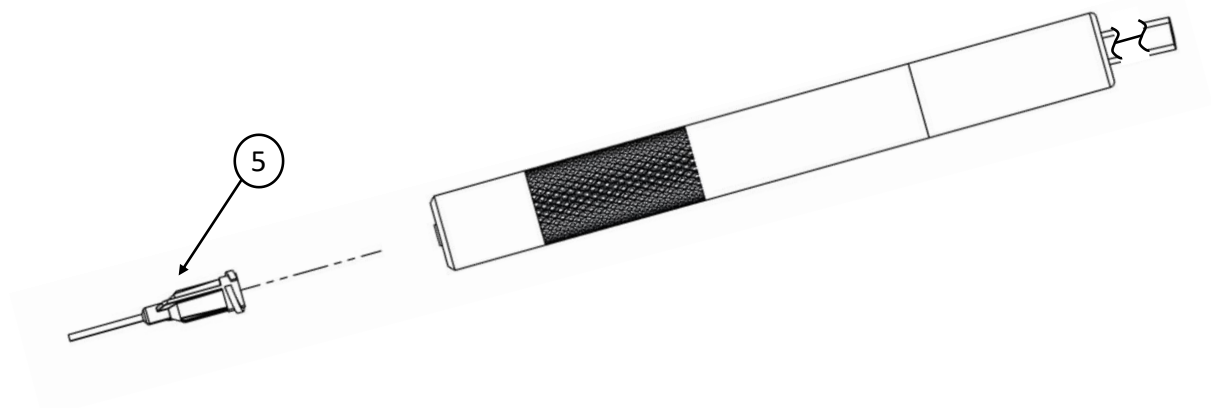
3. Insert Top Part (2) first from Pinch Tube (4) and tighten Top Part (2) with Middle Body (1) by clock wise rotation.



4. Further connect Bottom Part (3) with above assembly by rotating clockwise.

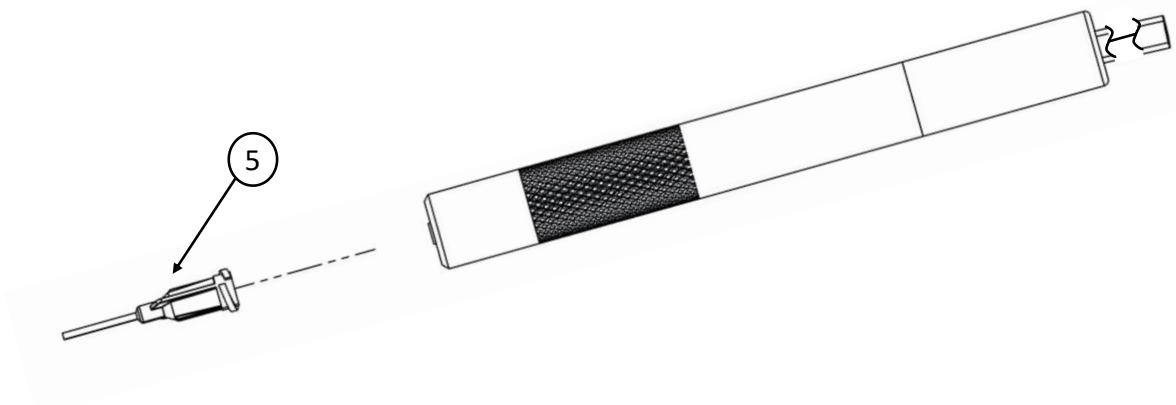


5. Use Needle (5) as per the application or bead size requirement.

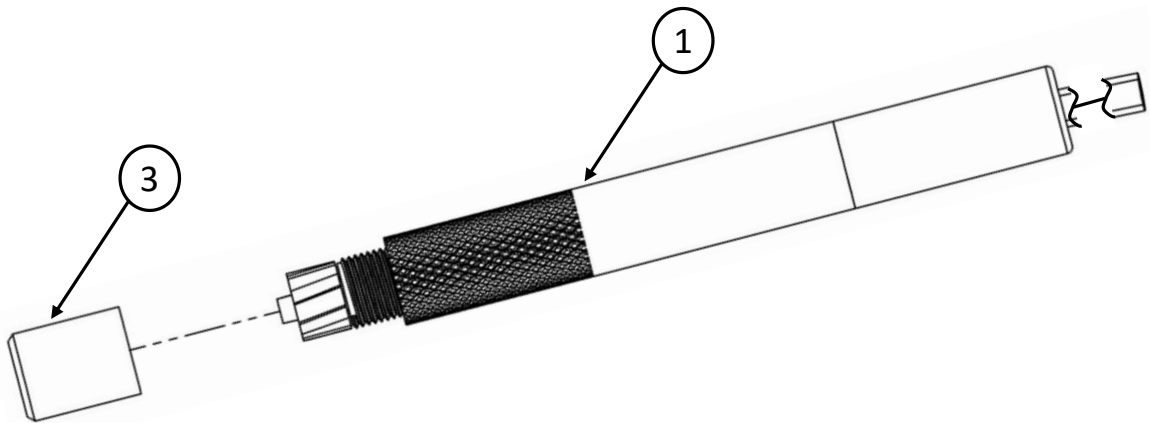


6.3 TUBE REMOVAL

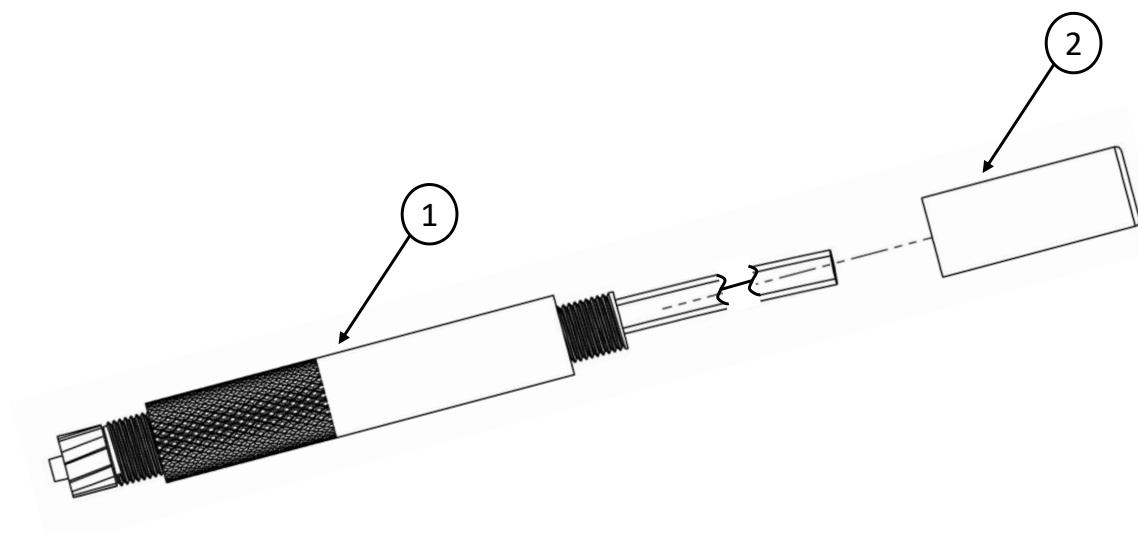
1. Disconnect the air supply to the system or ensure the system is not in operation.
2. Hold Pen and Rotate Needle (5) counter clockwise to remove.



3. Further detach Bottom Part (3) from assembly by rotating counter clockwise.



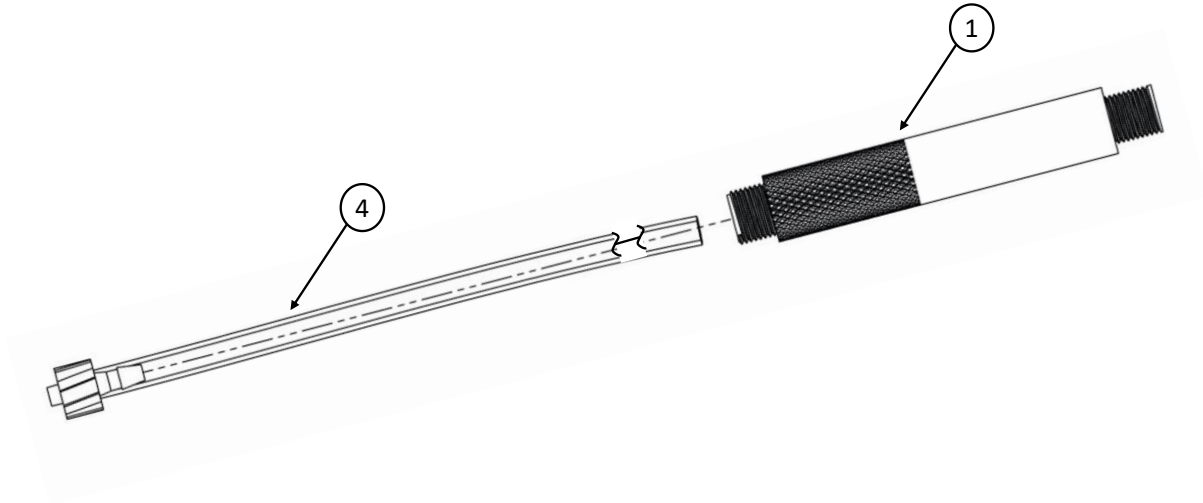
4. Make sure other end of pinch Tube is free from adhesive or any kind of attachment. Detach the Top Part(2) by rotating counter clockwise.





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5. Pull Pinch Tube (4) from Middle Body (1) as shown in Figure.





7 SYSTEM DO'S AND DON'TS

Do's

1. Depressurize the material within tube before changing the tube.
2. Ensure the tube surface is free from adhesive, while inserting or removing tube from ADoST Pen.
3. If there is any leakage observed through connector, immediately depressurize the fluid.

Don'ts

1. Don't disconnect the tube when the fluid inside tube is under pressure.
2. Don't remove the barb connector from ADoST Pinch Tube.
3. Do not Tighten thread too much to ensure threads are not damaged
4. Don't pull the pinch tube force fully without following procedure to ensure Pen is not damaged.

8 DISCLAIMER

1K2K believes the technical advice provided by the company and the information contained herein is reliable and accurate. However, the user is responsible to competently test the product and determine the quality and suitability for their intended use. 1K2K assumes no liability arising due to incorrect handling and use of this product.