



## Instructions

### Column Holder Part Number 21044037

This accessory is for use with the VERITY® 3240 High Pressure Binary Gradient Pump or any other VERITY instrument with similar accessories rails on the sides. It can be ordered with the pump or added afterwards in the field.

The holder supports up to two LC columns from 4.6 to 30 mm ID. Four sets of clips are included to hold 4.6, 10, 21, and 30 mm ID columns.

The holder can be installed on either side of the VERITY 3240 Pump, and it can be positioned so that the columns face the user or the side of the pump.

Two locking devices are provided to attach the holder to the integrated accessories rail of the pump.



**Figure 1**  
Column Holder with  
Two Columns

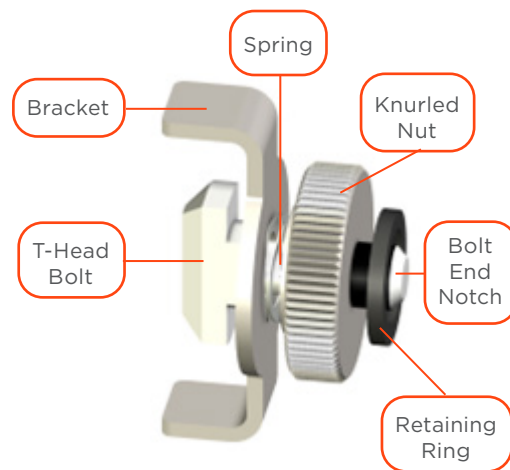


**Figure 2**  
Column Holder Facing the User (Left) and to the Side of the Pump (Right)



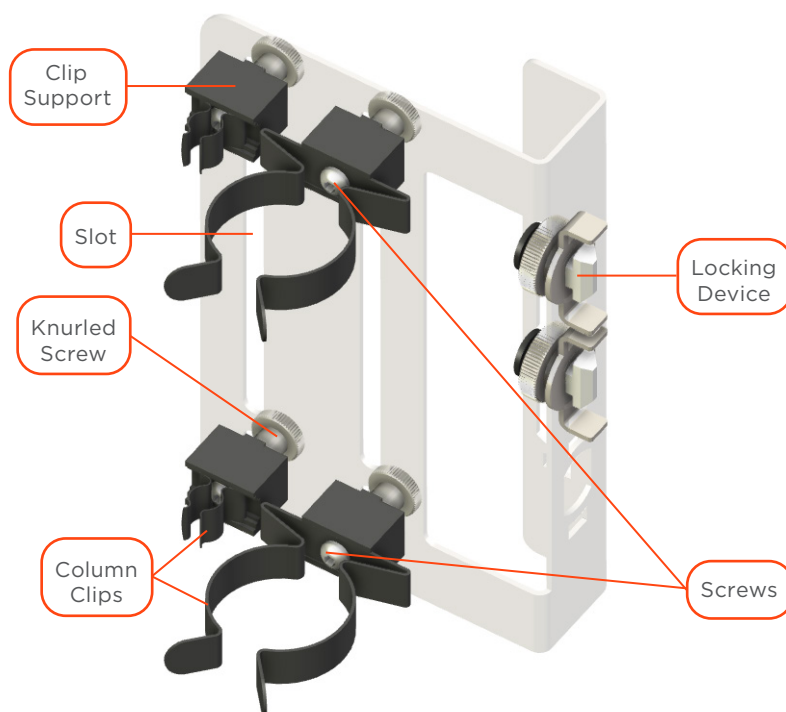
## Installation

1. Choose the side of the pump to install the column holder and the positioning of the column holder (parallel to the front door or parallel to the side panel).
2. Ensure the knurled nuts of the locking devices are loosened (springs released) and the T-head bolts are positioned vertically (aligned with the bracket tabs).
3. Fit the locking devices into the column holder according to the position chosen and then into the rail to the side of the pump. For more flexibility in column holder positioning, there are three possible slots for two locking devices.



**Figure 3**  
Locking Device

4. Adjust the position in height.
5. For each locking device, press slightly on the knurled nut to compress the spring of the locking device and tighten the nut to turn the T-head bolt 1/4 turn until it is in a horizontal position. The bolt end notch allows for checking the correct positioning.
6. Firmly finger-tighten the knurled nuts of the locking devices to secure the column holder to the pump.
7. Select a set of clips according to the column size.
8. Push one of the clip supports into either of the slots.
9. Secure the clip support using a knurled screw.
10. Repeat for the second clip support but do not fully tighten the knurled screw.
11. Slide the second clip support along the long slot to match the length of the column, and fully tighten the knurled screw.



**Figure 4**  
Column Holder

### NOTE

The smallest column clips (for 4.6 mm ID column) are delivered with the screws already fit into the clips.

12. Secure the clips to the supports using M4 screws and the 2.5 mm Allen wrench supplied.
13. Install the column by inserting it into the clips. Adjust the position of the column and the column holder for a proper tubing connection, changing the position of the column clips, if necessary.
14. Repeat steps 7 through 13 for the second slot, if required.