

APPLICATIONS

How to Install a Claricep™ Flash Column onto an ISCO CombiFlash® Rf Instrument

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Introduction

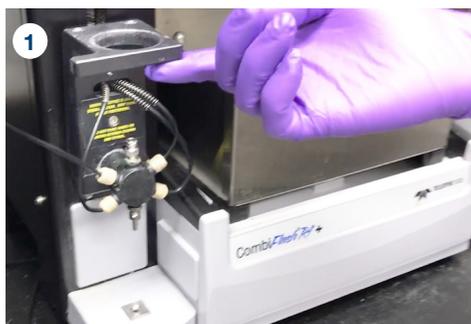
Claricep columns are compatible with the ISCO CombiFlash Rf instrument and installing them is easily done using this step by step procedure.

When you first install a Claricep Flash Column on a CombiFlash Rf instrument, the following notification will appear on the instrument screen: *“Unable to Identify RediSep Rf Column”*. This simply means that the system does not recognize the flash column and you need to program your CombiFlash Rf instrument for use with the Claricep flash column.



Step 1: Install Flash Column

Install a Claricep Flash Column on the CombiFlash Rf instrument.



Step 2: Press “MANUAL SELECT”

As you lower the inlet port-valve to the top of the column, an on-screen message will appear matching either **Figure 1** or **Figure 2**. In either case, you will then click on the “MANUAL SELECT” button to take you to the settings menu.

Figure 1

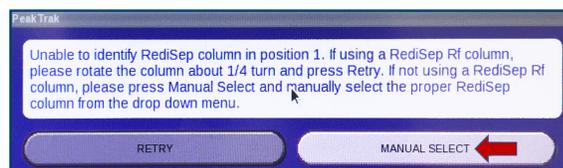
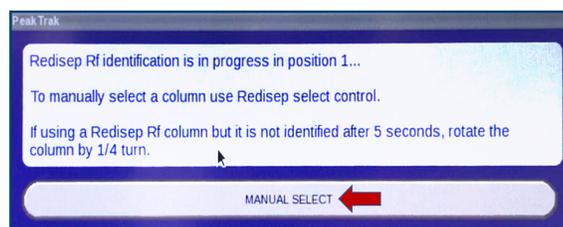


Figure 2



 If you are using Claricep Screw-on i-series or s-series column, you will need a stopcock (AH0-6049) to aid with installation.

Step 3: Select Media Type

At the bottom screen select the menu toggle labeled “REDISEP” (Figure 3).

Choose the last option, “SELECT MEDIA” and then select the type of material you will be using (for example: Silica, C18, Amine, etc.) Figure 4.

Figure 3

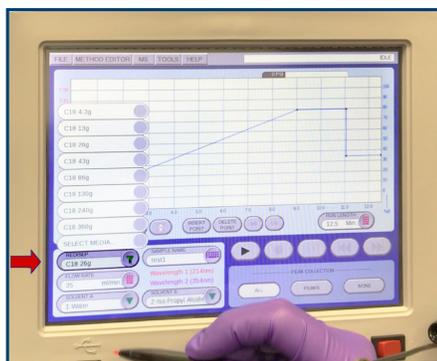
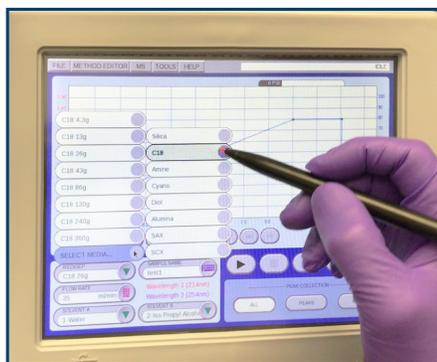


Figure 4



Step 4: Select Column Size

Once you have chosen the type of material, you need to designate the gram size of the column. Just go back to the “REDISEP” tab (Figure 5) and find the gram level that is most similar to the size of the Claricep™ column you want to install.

For example, the CombiFlash® Rf has preset gram sizes of 4, 12, 24, 40, 80, 120, 220 and 330 grams, so for a 20g Claricep column you would select 24 g as the appropriate setting. Note: please refer to **Table 1** for a comparison of corresponding Claricep and RediSep® column sizes.

Figure 5

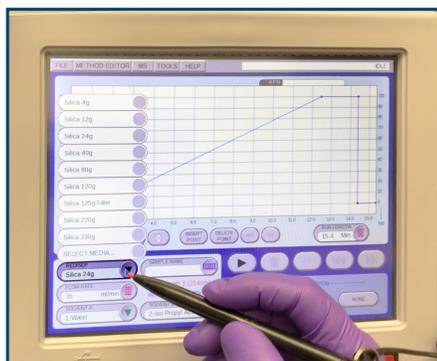


Table 1

Claricep Packing Amount (g)	Corresponding RediSep Preset (g)	Recommended Flow Rate (mL)
4	4	18
12	12	30
20	24	35
40	40	40
80	80	60
120	120	85
220	220	150
330	330	200

Step 5:

Select the desired “EQUILIBRATION” and “FLOW RATE” as you would normally do. Different columns will have varying flow rates depending on the size, so enter the appropriate flow rate from **Table 1**.

Step 6:

Find “RUN LENGTH” from the chart on the right of the screen.

Step 7:

Select the desired “RUN LENGTH”.

Conclusion

It is easy to install a Claricep column on a CombiFlash Rf system by simply programming the instrument. Once you have set up your method, be sure to save it in the instrument. The next time you run the method, simply go to the saved method and enjoy all the benefits and COST SAVINGS you get from using the Claricep flash columns.

Claricep™
Ordering Information

Irregular Silica; Average Particle Size: 40-60 µm; Average Pore Size: 60 Å

TYPE	Claricep Part No.	Silica Amount (g)	Quantity (pk)
Silica (CS) Standard Silica	CS140004-0	4	20
	CS140012-0	12	20
	CS140020-0	20	20
	CS140040-0	40	10
	CS140080-0	80	5
	CS140120-0	120	5
	CS140330-0	330	1
	CS140800-0	800	1
	CS1401500-0	1500	1

Also available in i-series, s-series & c-series (12 g, 20 g, 40 g, 80 g, & 120 g) per request (Contact your Sales Rep)

Spherical Silica; Average Particle Size: 20-35 µm; Pore Size: 60 Å

TYPE	Claricep Part No.	Silica Amount (g)	Quantity (pk)
Spherical Silica	SS130004-0	4	20
	SS130012-0	12	20
	SS130020-0	20	20
	SS130040-0	40	10
	SS130080-0	80	5
	SS130120-0	120	5
	SS130330-0	330	1

Also available in i-series, s-series & c-series (12 g, 20 g, 40 g, 80 g, & 120 g) per request (Contact your Sales Rep)

Spherical Bonded Phase; Average Particle Size: 40-60 µm; Pore Size: 100 Å

TYPE	Claricep Part No.	Silica Amount (g)	Quantity (pk)
C18	S0240004-0	4	20
	S0240012-0	12	20
	S0240020-0	20	20
	S0240040-0	40	10
	S0240080-0	80	5
	S0240120-0	120	5
	S0240330-0	330	1
	S0240800-0	800	1
	S02401500-0	1500	1

Also available in i-series, s-series & c-series (12 g, 20 g, 40 g, 80 g, & 120 g) per request (Contact your Sales Rep)

Spherical Bonded Phase; Average Particle Size: 20-35 µm; Pore Size: 100 Å

TYPE	Claricep Part No.	Silica Amount (g)	Quantity (pk)
C18	S0230004-0	4	20
	S0230012-0	12	20
	S0230020-0	20	20
	S0230040-0	40	10
	S0230080-0	80	5
	S0230120-0	120	5
	S0230330-0	330	1

Also available in i-series, s-series & c-series (12 g, 20 g, 40 g, 80 g, & 120 g) per request (Contact your Sales Rep)

Spherical Bonded Phase; Average Particle Size: 20-35 µm; Pore Size: 100 Å

TYPE	Claricep Part No.	Silica Amount (g)	Quantity (pk)
AQ C18	SQ230004-0	4	20
	SQ230012-0	12	20
	SQ230020-0	20	20
	SQ230040-0	40	10
	SQ230080-0	80	5
	SQ230120-0	120	5
	SQ230330-0	330	1

Also available in i-series, s-series & c-series (12 g, 20 g, 40 g, 80 g, & 120 g) per request (Contact your Sales Rep)



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