

E 72 ASI QuickSplit™ Adjustable Flow Splitters

Adjustable Flow Splitters - Pre-Column Applications

Pre-column splitting is used for micro, capillary, and nano HPLC applications, where the flow from the pump is split from analytical flow rates down to microliter or nanoliter flows. It is important to note that even though the split ratio created by the splitter valve will remain constant, the split ratio will change when a HPLC column is installed. This is due to the added resistance on the low flow rate channel from the HPLC column. This added resistance must be factored in to make sure the fluid resistors selected for the flow splitter provide the correct split ratio.

When ordering a pre-column flow splitter please provide SIS with the column flow rate and back pressure. If the inlet flow rate or column pressure specification is not provided, SIS will configure pre-column flow splitters assuming a 0.5 mL/min. splitter inlet flow rate and a pressure drop across the column of 1500 psi.

Analytical Splitters

Analytical range, 0.25 mL/min. to 1 mL/min. input flow

These splitters will produce under 3,500 psi backpressure with water at 0.5 mL/min..

Part No.	Description	Split Ratio	Price
600-PR10-01	Analytical Adjustable Flow Splitter, Pre-Column	50:1 to 1,000:1	
600-PR10-03	Analytical Adjustable Flow Splitter, Pre-Column	15:1 to 250:1	
600-PR10-04	Analytical Adjustable Flow Splitter, Pre-Column	5:1 to 100:1	
600-PR10-06	Analytical Adjustable Flow Splitter, Pre-Column	1:1 to 20:1	
600-PR10-CS*	Analytical Adjustable Flow Splitter, Pre-Column	Custom*	

Analytical Replacement Resistor Cartridges

Part No.	Description	Split Ratio	Price
600-PR00-01	Analytical Adjustable Flow Splitter Resistor Cartridge, Pre-Column	50:1 to 1,000:1	
600-PR00-03	Analytical Adjustable Flow Splitter Resistor Cartridge, Pre-Column	15:1 to 250:1	
600-PR00-04	Analytical Adjustable Flow Splitter Resistor Cartridge, Pre-Column	5:1 to 100:1	
600-PR00-06	Analytical Adjustable Flow Splitter Resistor Cartridge, Pre-Column	1:1 to 20:1	
600-PR00-CS*	Analytical Adjustable Flow Splitter Resistor Cartridge, Pre-Column	Custom*	

* Must specify custom split ratio when ordering

Adjustable Flow Splitter Accessories

Replacement Inlet Filters

Part No.	Description	Flow Splitter	Price
600-0063-2	Inlet Filter, 2 micron .063" dia. 5/Pack, 1 µL Volume	Adjustable FS - Post/Pre-column Analytical Range	
600-0125-10	Inlet Filter, 10 micron .125" dia. 5/pack, 4 µL Volume	Adjustable FS - Semi-Prep Range & Prep Range for 600-PO30, 40	
600-028-20	Straight Thru Hole, No Filter 5/Pack, 0.1 µL Volume	Adjustable FS - Prep Range for 600-PO60	

Capillary Resistor

Part No.	Description	Flow Splitter	Price
600-PR00-CP	Capillary Resistor	Custom	

Flow Measurement Kits

Part No.	Description	Interface	Price
600-0010S	Flow Rate Range 50 nL/min. to 5 µL/min.	interfaces to 360 µm OD fused silica tubing	
600-0025S	Flow Rate Range 5 µL/min. to 25 µL/min.	interfaces to 1/16" OD PEEK tubing	
600-0100S	Flow Rate Range 10 µL/min. to 100 µL/min.	interfaces to 1/16" OD PEEK tubing	
600-0250S	Flow Rate Range 25 µL/min. to 500 µL/min.	interfaces to 1/16" OD PEEK tubing	