What is claimed is:

1. A chromatography device (10) comprising a housing (12) having a fluid inlet (13) and a fluid outlet (14) spaced from said inlet (13);

an internal volume in said housing (12);

at least first and second membranes (15a, 15b, 15c, 15d, 15e) arranged in said internal volume of said housing (12) in a region between said fluid inlet (13) and said fluid outlet (14), said first and second membranes (15a, 15b, 15c, 15d, 15e) each having an active membrane area through which fluid introduced into said fluid inlet (13) can flow, and

at least one spacer (20, 20a, 20b, 20c, 20d, 20e) arranged between said first and second membranes (15a, 15b, 15c, 15d, 15e), said at least one spacer (20, 20a, 20b, 20c, 20d, 20e) having a perimeter (22) defining a continuous opening (21) in fluid communication with said active membrane area that does not impede fluid flow in and through said device (10), wherein said device (10) is configured such that between the first membrane and the second membrane, a fluid only flows from the first membrane (15a) to the second membrane (15b, 15c, 15d, 15e), wherein there is a filtration zone within said internal volume defined by said active membrane area of said at least first and second membranes (15a, 15b, 15c, 15d, 15e), and wherein said opening (21) of said at least one spacer (20, 20a, 20b, 20c, 20d, 20e) is arranged within said

filtration zone, wherein said at least one spacer (20, 20a, 20b, 20c, 20d, 20e) is in the shape of an annulus.

2. The chromatography device (10) of claim 1, wherein said first membrane (15a) is arranged upstream, in the direction of fluid flow during operation of said chromatography device, of said second membrane (15b, 15c, 15d, 15e), said chromatography device further comprising a porous frit (17) arranged between said fluid inlet (13) and said first membrane (15a).

3. The chromatography device (10) of claim 1, further comprising a porous frit (17) arranged between said fluid outlet and said second membrane.

4. The chromatography device (10) of claim 1, wherein said at least first and second membranes (15a, 15b, 15c, 15d, 15e) and said at least one spacer (20, 20a, 20b, 20c, 20d, 20e) are arranged in said housing (12) such that, in operation of said device, fluid enters said fluid inlet (13), passes consecutively through said first membrane (15a), said at least one spacer (20) and said second membrane (15b, 15c, 15d, 15e) prior to exiting said housing (12) through said fluid outlet (14).