CLAIM(S):

1. A filter arrangement comprising a plurality of filters in a radial arrangement, each of the plurality of filters comprising a plurality of filter arms, the plurality of filter arms comprising at least:

a first filter arm comprising a first hollow tube having porous side walls, the first hollow tube having an open first end and an open second end, and a first tube inner fluid channel having an inner diameter; and,

a second filter arm comprising a second hollow tube having porous side walls, the second hollow tube having an open first end and an open second end, and a second tube inner fluid channel having an inner diameter;

each of the filters further comprising:

a first tube connector, comprising a first hollow body having porous side walls and a first hollow body inner diameter, connected to, and in fluid communication with, the second ends of each of the first and second hollow tubes, wherein the first hollow body inner diameter is greater than each of the first and second tube inner fluid channel inner diameters;

and,

a second tube connector, comprising a second hollow body having a second hollow body inner diameter, connected to, and in fluid communication with, the first hollow body, wherein the second hollow body inner diameter is greater than the first hollow body inner diameter.

2. A filter arrangement comprising a plurality of curved filters in a radial arrangement, each of the plurality of curved filters comprising a plurality of curved filter arms, the plurality of curved filter arms comprising at least:

a curved first filter arm comprising a curved first hollow tube having porous side walls, the curved first hollow tube having an open first end and an open second end, and a curved first tube inner fluid channel having an inner diameter; and,

a curved second filter arm comprising a curved second hollow tube having porous side walls, the curved second hollow tube having an open first end and an open second end, and a curved second tube inner fluid channel having an inner diameter;

each of the curved filters further comprising:

a curved first tube connector, comprising a curved first hollow body having porous side walls and a first hollow body inner diameter, connected to, and in fluid communication with, the second ends of each of the curved first and second hollow tubes, wherein the curved first hollow body inner diameter is greater than each of the curved first and second tube inner fluid channel inner diameters;

and,

a curved second tube connector, comprising a curved second hollow body having a second hollow body inner diameter, connected to, and in fluid communication with, the curved first hollow body, wherein the second hollow body inner diameter is greater than the first hollow body inner diameter.

3. The filter arrangement of claim 1 or 2 wherein the plurality of filters or the plurality of curved filters are radially arranged between a central hollow hub and an outer cage, the central hollow hub including a central opening and a plurality of hub channels in fluid communication with the second hollow bodies or curved second hollow bodies, the outer cage including a plurality of retentate fluid flow ports in fluid communication with the first ends of the hollow tubes or curved second hollow bodies; and wherein spacing between the porous side walls of the hollow tubes or curved second hollow bodies provides permeate fluid flow paths.

4. A filter device comprising a filter housing having an inlet, a permeate outlet, and a retentate outlet, defining a permeate fluid flow path between the inlet and the permeate outlet, and a retentate fluid flow path between the inlet and the retentate outlet, and at least one filter arrangement of any one of claims 1-3, arranged in the housing across the permeate fluid flow path.

5. The filter device of claim 4, including at least two filter arrangements of any one of claims 1-3, arranged in the housing across the permeate fluid flow path.

6. A method filtering a fluid, comprising passing the fluid through the filter arrangement of any one of claims 1-3 or the filter device of claim 4 or 5.