What is claimed is:

1. A filtration module comprising at least one filtration packet containing filtration media or one or more membranes, said at least one filtration packet having one or more fluid ports, said one or more fluid ports being surrounded by a primary seal and a secondary seal spaced from said primary seal, each of said primary seal and said secondary seal being configured to independently seal around said port.
2. The filtration module of claim 1, further comprising first and second endcaps sandwiching said at least one filtration packet, said first and second endcaps comprising at least one fluid channel in fluid communication with said one or more fluid ports.
3. The filtration module of claim 2, wherein said at least one fluid port is configured to direct fluid flow through said one or more filtration packets in a first direction, said at least one fluid channel redirects the fluid flow in a second direction different from said first direction.
4. The filtration module of claim 3, wherein said second direction is orthogonal to said first direction.
5. The filtration module of claim 1, further comprising a film covering said one or more fluid ports.

6. The filtration module of claim 5, wherein said film is folded over itself so as to create a first film layer and a second film layer covering said one or more fluid ports.
7. A plurality of filtration modules, each comprising one or more filtration packets containing filtration media or one or more membranes, wherein a first of said plurality of filtration modules comprises a first fluid port, said first fluid port being surrounded by a first primary seal and a first secondary seal spaced from said first primary seal; a second of said plurality of filtration modules comprises a second fluid port, said second fluid port being surrounded by a second primary seal and a second secondary seal spaced from said second primary seal; wherein when said first and second filtration modules are engaged under pressure such that said first fluid port aligns with said second fluid port, and said first secondary seal contacts said second secondary seal to prevent contaminant ingress into said first and second fluid ports.
8. The plurality of filtration modules of claim 7, wherein each of said packets and said modules are sterile.
9. The plurality of filtration modules of claim 7, wherein each first filtration modules includes, prior to engaging said first and second filtration modules under pressure, a film covering said first fluid port.

10. The plurality of filtration modules of claim 9, wherein said film is folded over itself so as to create a first film layer and a second film layer covering said first fluid port.

11. The plurality of filtration modules of claim 9, wherein a handle is attached to the film.

12. The plurality of filtration modules of claim 7, further comprising first and second endcaps sandwiching said plurality of filtration modules, said first and second endcaps comprising at least one fluid channel in fluid communication with said first and second fluid ports.

13. The plurality of filtration modules of claim 12, wherein said first fluid port is configured to direct fluid flow through said one or more filtration packets in a first direction, said at least one fluid channel redirects the fluid flow in a second direction different from said first direction.

14. The filtration module of claim 13, wherein said second direction is orthogonal to said first direction.

15. An assembly, comprising a plurality of pre-assembled, pre-sterilized filtration modules, each of said sterilized filtration modules comprising at least one filtration packet containing filtration media or one or more membranes, said at least one filtration packet having one

or more fluid ports, said one or more fluid ports being surrounded by a primary seal and a secondary seal spaced from said primary seal, each of said primary seal and said secondary seal being configured to independently seal around said port.

16. The plurality of filtration modules of claim 7, wherein said spacer plate has first and second opposing surfaces, and wherein said spacer plate comprises first and second radially protruding members, each extending from a respective one of said first and second opposing surfaces, each radially producing member having an annular seal.

17. The filtration module of claim 1, wherein said secondary seal is concentric to said primary seal.