

HP4750 Membrane Area Reducer

The HP4750 Membrane Area Reducer is designed to enable use of 25 mm membrane disc filters in the HP4750 stirred cell. This adapter expands the capabilities of the HP4750 to research with smaller diameters.

SKU:

1140144

APPLICATIONS:

Fabricating new membranes

Casting large areas of homogenous membranes at lab-scale production is challenging, whereas testing smaller discs ensure membrane homogeneity across the active area

Membrane surface modifications

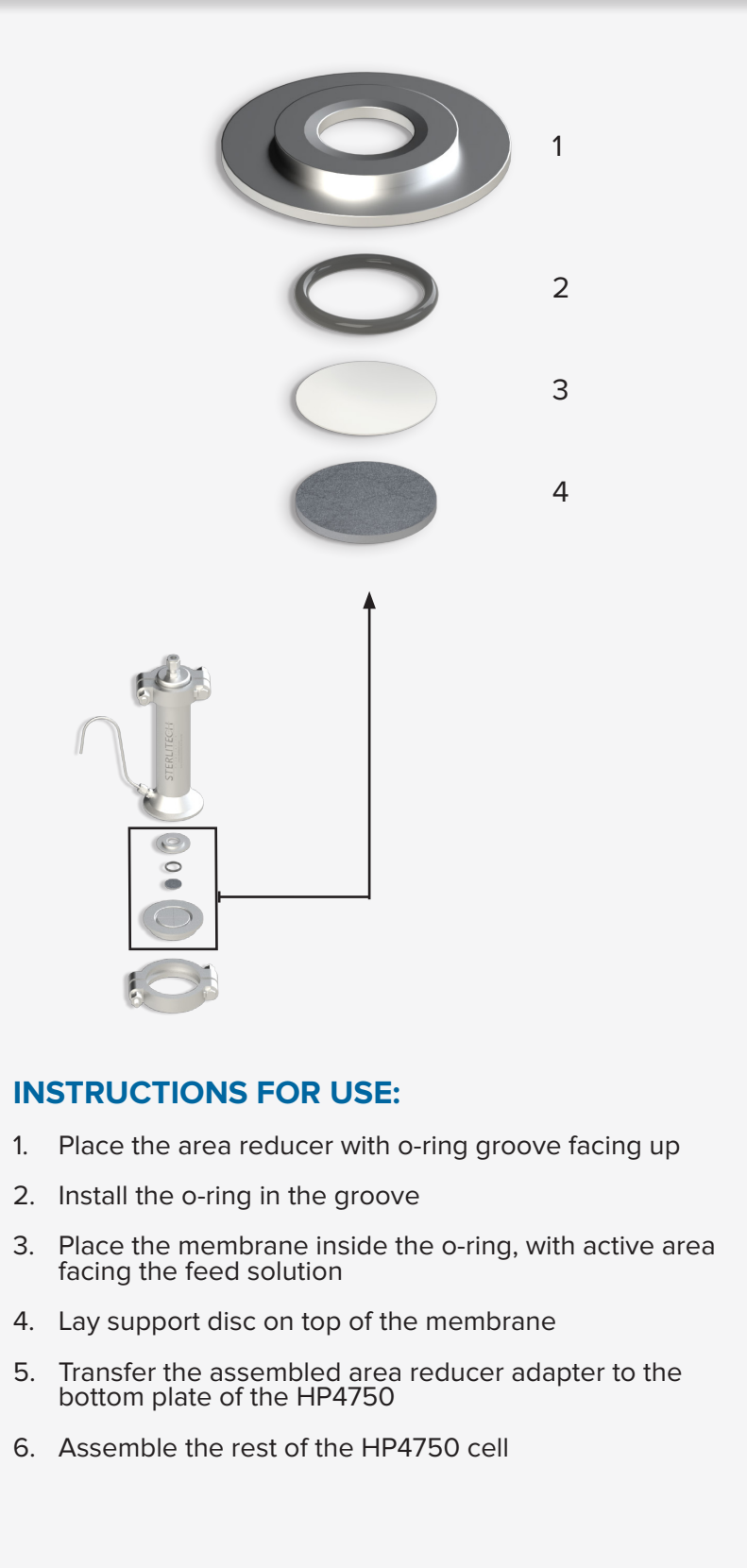
Researchers who modify the membrane surface using plasma, UV radiation, vapor deposition, or one of the many other techniques with lab-size devices usually can only modify a small section of the membrane at a time

Fouling studies

Utilizing a 25 mm disc compared to a 47 mm disc allows researchers to run tests for twice as long

COMPONENTS:

1. 25 mm reducer
2. O-ring, Buna
3. Membrane disc filter (**purchased separately**)
4. Sintered support disc



INSTRUCTIONS FOR USE:

1. Place the area reducer with o-ring groove facing up
2. Install the o-ring in the groove
3. Place the membrane inside the o-ring, with active area facing the feed solution
4. Lay support disc on top of the membrane
5. Transfer the assembled area reducer adapter to the bottom plate of the HP4750
6. Assemble the rest of the HP4750 cell