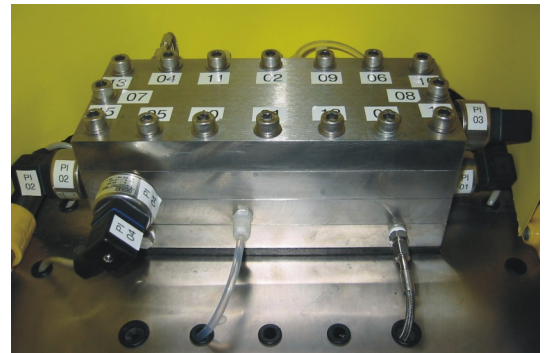


Test cell geometries for laboratory membrane test plants

Test Cell UO80 (V4A)

- stackable test cell (max. 5 membranes connected in series)
- 85 cm² membrane area
- up to 80 bars
- internal flow interconnection
- flat channel for spacer (max. 75 mil)
- pressure measurement possible at each testcell in- and output
- membrane damage at input area prevented by calmed input-flow



Picture 1: stackable test cell UO80 with 85 cm² membrane area

Test Cell UF10 (V4A)

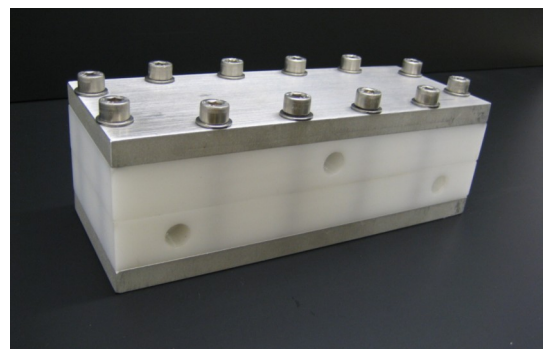
- 266 cm² membrane area
- up to 10 bars
- flat channel for spacer (max. 75 mil) or as free feed gap (2 or 4 mm)
- pressure measurement possible at each testcell in- and output
- membrane damage at input area prevented by calmed input-flow



Picture 2: test cell UF10 with 266 cm² membrane area

Test Cell UF10K (POM)

- 32 cm² membrane area
- up to 10 bars
- flat channel for spacer (max. 75 mil)
- pressure measurement possible at each testcell in- and output
- easy handling
- low pressure drop
- membrane damage at input area prevented by calmed input-flow



Picture 3: test cell UF10K with 32 cm² membrane area