

		Training / short time test		Research / Laboratory			Research / Pilot Operation	
		Cube07	LRo04	LSta80	LSta80-SPS	LSta05	Allrounder15	PSta40
Membrane Techniques	Microfiltration	+	+	○	○	+	+	○
	Ultrafiltration	+	+	○	○	+	+	○
	Nanofiltration	±	2	+	+	2	+	+
	Reverse Osmosis (low pressure)	±	2	+	+	2	+	+
	Reverse Osmosis	2	2	+	+	2	±	+
Module Types	Flat Sheet Membrane	+	2	+	+	+	+	2
	Tubular Membrane (ceramic 1/6 or Polymeric Mono-Channel)	2	+	2	2	2	+	2
	Hollow Fibre Module Dead-End / Cross-Flow	○	○	○	○	○	○	○
	Spiral Module 2,5" / 4"	2	2	2	2	2	+ / ○	+ / ○
	Ceramic Module (e.g. 19/3.3)	2	2	2	2	2	○	○
Operating Modes (hand controlled / semi-automatic / automated system)	Cross-Flow (p = const.)	+ / 2 / 2	+ / 2 / 2	2 / 2 / +	2 / 2 / +	2 / 2 / +	2 / 2 / +	2 / 2 / +
	Cross-Flow (V _{Feed} / conc = const.)	+ / 2 / 2	+ / 2 / 2	2 / + / 2	2 / 2 / +	2 / 2 / +	2 / 2 / +	2 / 2 / +
	Cross-Flow (V _{Perm} = const.)	+ / 2 / 2	+ / 2 / 2	+ / 2 / ○	+ / 2 / ○	+ / 2 / ○	+ / 2 / 2	+ / 2 / ○
	Dead-End	+ / 2 / 2	+ / 2 / 2	2 / 2 / ○	2 / 2 / ○	2 / 2 / ○	2 / 2 / ○	2 / 2 / ○
	Feed & Bleed	2 / 2 / 2	2 / 2 / 2	+ / 2 / 2	+ / 2 / ○	+ / 2 / 2	+ / 2 / 2	+ / 2 / ○
	Level Control (e.g. for Diafiltration)	+ / 2 / 2	+ / 2 / 2	2 / + / 2	2 / + / ○	2 / + / 2	2 / + / 2	2 / + / 2
	pH-Value-Control	+ / 2 / 2	+ / 2 / 2	+ / 2 / 2	+ / 2 / ○	+ / 2 / 2	+ / 2 / ○	+ / 2 / ○
	Temperature-Control	+ / 2 / 2	+ / 2 / 2	2 / + / 2	2 / 2 / +	2 / + / 2	2 / + / 2	2 / + / 2
Alternatives	Seawater	2	2	○	○	○	○	○
	Solvents	2	2	○	○	○	2	○
	Data Acquisition / Visualisation	2 / 2	2 / 2	+ / ○	+ / ○	+ / ○	+ / ○	+ / ○
Applications	Training and Practical	+	+	+	+	+	+	+
	Research and Development	2	2	+	+	+	+	+
	Production of small batches	±	±	+	+	+	+	+
	Pilot Operation in Bypass	2	2	±	±	±	+	+
	Membrane Screening	±	±	+	+	+	+	+
	Long Time Tests	2	2	+	+	+	+	+
	Cleaning Tests	±	±	+	+	+	+	+
Information	Max. Test Pressure (bar)	7	4	80	80	5	15	40
	Protection against Pressure and Dryrunning	2	2	+	+	+	+	+
	Power Supply AC (V)	230	230	400 (16A)	400 (16A)	400 (16A)	400 (16A)	400 (16A)
	Weight (approx. in kg)	15	30	180	180	180	220	220

+ serial / suitable ± limited suitable 2 not available / unsuitable ○ optional available