



PRO-PACK MATERIALS PTE. LTD.

Blk 970, Toa Payoh North, #04-18, Toa Payoh Industrial Estate,
Singapore 318992.

Tel: (65) 63541511 Fax: (65) 63541711

Website : www.pro-pack.com.sg

SPECIFICATIONS FOR PURELAB FLEX 3

PRODUCT FEATURES:

Daily Volume: <10 Liters

Water quality: Type III RO water

Feedwater source: Pre-Purified or tap water

Typical Application: Autoclave feed; Feed to ultrapure water systems; Hydroponics; Plant growth cabinets; Stability chambers; Steam generators; Sterilizer feed

TREATED WATER SPECIFICATION:

MODEL	PURELAB flex 3
Daily volume	<10 liters
Delivery flow rate – maximum	Up to 2 l/min
Inorganics (resistivity @25°C)	18.2 MΩ-cm
Organics (TOC) – typical	<5ppb *
Direct from internal reservoir	Type III / RO water **
Bacteria – typical (when fitted with POU Filter)	<1 CFU/10ml
Bacteria – typical (when fitted with Biofilter)	<1 CFU/10ml
Endotoxin (when fitted with Biofilter)	<0.001 EU/ml
DNase (when fitted with Biofilter)	<20 pg/ml
RNase (when fitted with Biofilter)	<0.002 ng/ml

*Dependant on feedwater;

** (Equal to or >) Type III RO Water.

FEEDWATER PRESSURE:

Maximum	90psi (6bar) *
Minimum	30psi (2bar)*

*If <60psi (4 bar) a separate boost pump is recommended.



PRO-PACK MATERIALS PTE. LTD.

Blk 970, Toa Payoh North, #04-18, Toa Payoh Industrial Estate,
Singapore 318992.

Tel: (65) 63541511 Fax: (65) 63541711

Website : www.pro-pack.com.sg

FEEDWATER REQUIREMENT:

Source	Potable Tap Water
Conductivity	<2000 μ S/cm *
Hardness	<350 ppm as CaCO ₃
Free Chlorine	<0.5 ppm Cl ₂
Chloramine	<0.2 ppm Cl ₂
Total Chlorine	<0.5 ppm Cl ₂
Silica	<30 ppm SiO ₂
Carbon Dioxide Maximum	<30 ppm (recommended <20 ppm)
Fouling index	<10
Iron / Manganese	<0.05 ppm
Organics (TOC)	<2 ppm
Particulates	A 0.2 micron membrane pre filter is recommended for all non-RO feeds to extend point-of-use filter life
Temperature	4 - 40°C (Recommended 10 - 25°C)
Flowrate (requirement at 15°C)	Up to 75 l/hr
Drain requirements (gravity fall with air gap)	>90L/hr

* Purification pack life may vary with feedwaters >1400 μ S/cm

ELECTRICAL REQUIREMENTS

Mains Input	100-240V ac, 50-60Hz
System control voltage (not including pumps and UV)	24V dc
Power consumption during peak demand	100VA
Noise level	<40dBa