

Athlone Production Facilities

Almac Sciences

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Athlone production facilities at a glance

Flexible, large-scale chemical manufacturing from process scale-up to multi-tonne supply.

Scale, flexibility and choice

- Production reactors from 2,000 L to 8,000 L, supported by smaller process reactors from 120 L to 1,400 L.
- 100 m³ of manufacturing capacity, enabling supply from kilograms to tens of tonnes.
- Glass-lined, stainless steel and Hastelloy vessels provide flexibility across a broad range of process requirements.
- Combination of fixed and flexible isolation systems for containment of unit operations
- Wide utility range supporting extreme thermal conditions, from low-temperature chilling to hot-oil heating.
- Modular and flexible commercial scale flow chemistry rig

8,000 L	100 m³	-70°C
MAX	TOTAL	LOW-TEMP
REACTOR	CAPACITY	UTILITY

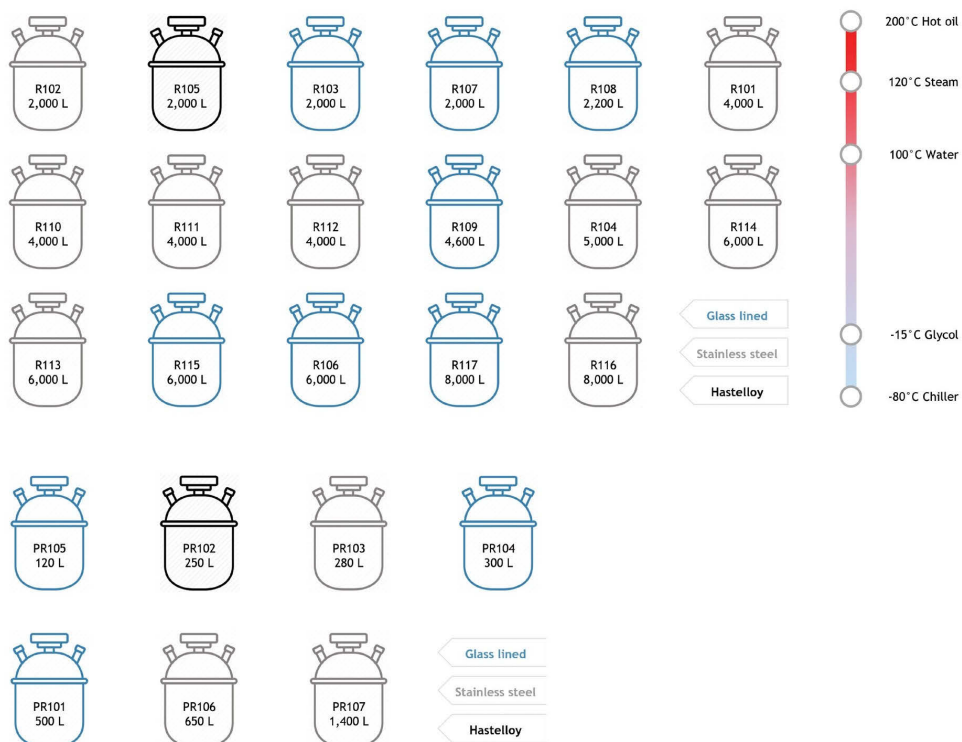
Downstream Processing

- Four centrifuges with 40–100 kg capacity per spin and various size Nutsche filters for product isolation.
- Three vacuum tumble dryers with 500–600 kg capacity per dryer load.
- Vacuum Tray dryers with 150-200kg capacity

Supporting infrastructure

- Kilo laboratory and pilot plant
- Falling-film, short-path and wiped-film distillation with rectification capabilities
- Enzyme purification and immobilization suite
- On-site maintenance team performing preventative maintenance, calibration and troubleshooting.
- On-site process engineering team for process design working with welders, fitters and fabricators.
- Facilities support manufacture of specialty chemicals, regulatory starting materials, advanced intermediates and commercial supply programmes.

Production Vessels



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