



Smith & Loveless

Protecting Water. Protecting People.™

Clarifier Systems





Smith & Loveless

World-Class Clarifier Solutions

EXPERIENCE

- 70+ years designing & manufacturing clarifier equipment
- 500+ installations globally



INNOVATION

- Backed by continuous product research and development
- Supported by complete technical field service and parts





Smith & Loveless

Applications and Clarifier Types

MUNICIPAL & INDUSTRIAL SYSTEMS

- Municipal sewage treatment
- Mining resource industry
- Steel manufacturing
- Pulp & paper
- Food & beverage
- General industry



PERFORMANCE

WATER & WASTEWATER TREATMENT

- Primary & secondary clarification
- Turbidity reduction
- Lime softeners
- Backwash recovery
- Phosphorus removal
- Desalination



VALUE

Clarifier Design Options and Accessories

ACCESS BRIDGES

- Designed to Specific Structural Code
- HDG, Aluminum, FRP Handrail Options
- Access Platform Options



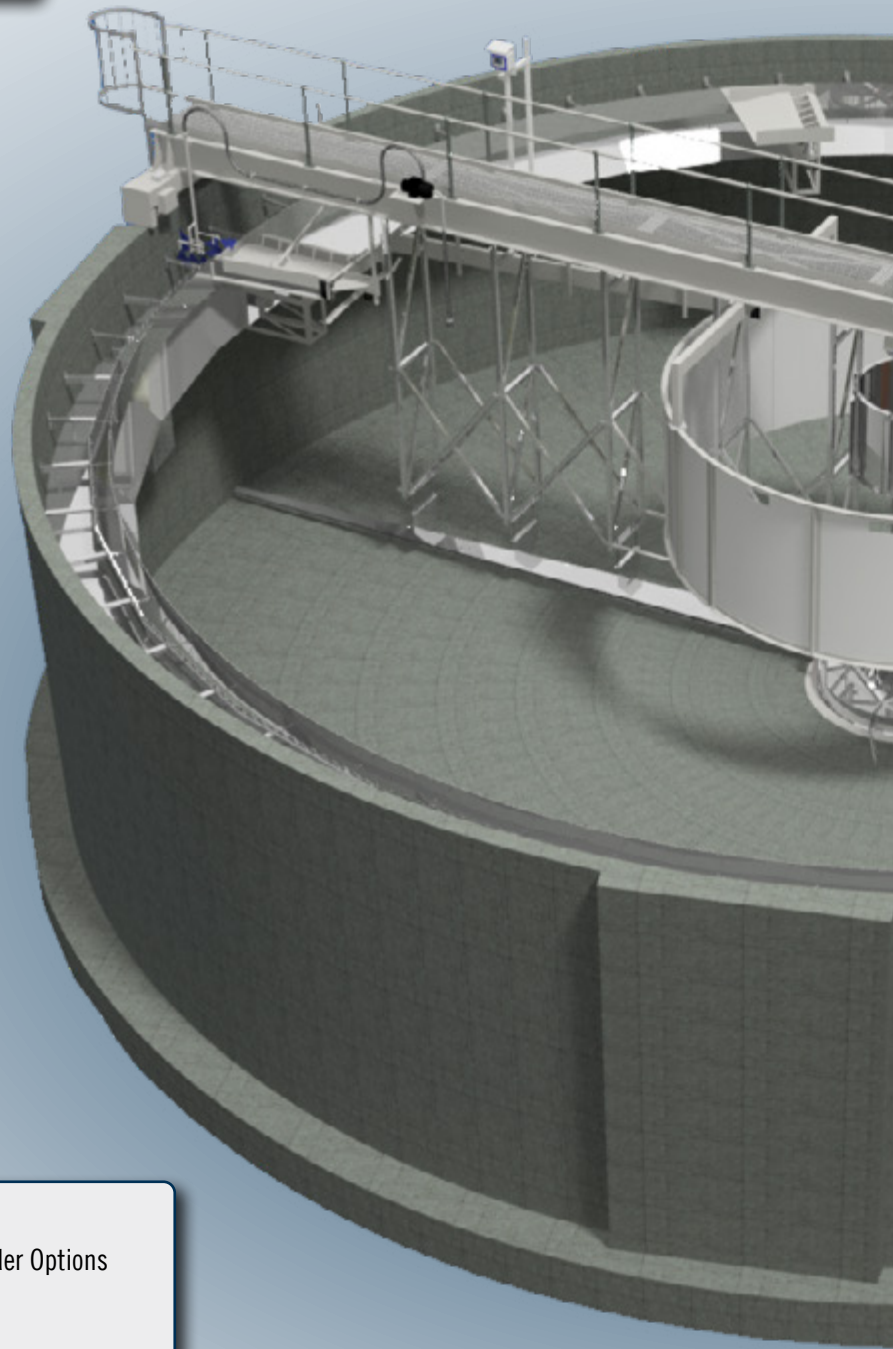
SCUM REMOVAL

- Dry & Wet Beach Scum Boxes
- Automated Flushing Systems
- Spray Systems
- Scum Baffles



PERIPHERAL DRIVE

- Units up to 60m Diameter
- Electro-Mechanical Torque Control
- Safety Plough



LAUNDER OPTIONS

- Stainless Steel Launder Options
- Adjustable Weirs
- Launder Covers
- Launder Spray Wash

Smith & Loveless has been providing quality solutions for more than 70 years to Australia and New Zealand. We offer locally based engineering and customer services in both Australia and New Zealand, supported by the experience and resources of the S&L global group of companies.



EDI WELL

- Radial Port Design
- Adjustable Outlet Design
- Proprietary EDI Designs Available



FLOCCULATION WELL

- Metallic or Non-metallic Panels
- Scum Spray Removal Systems



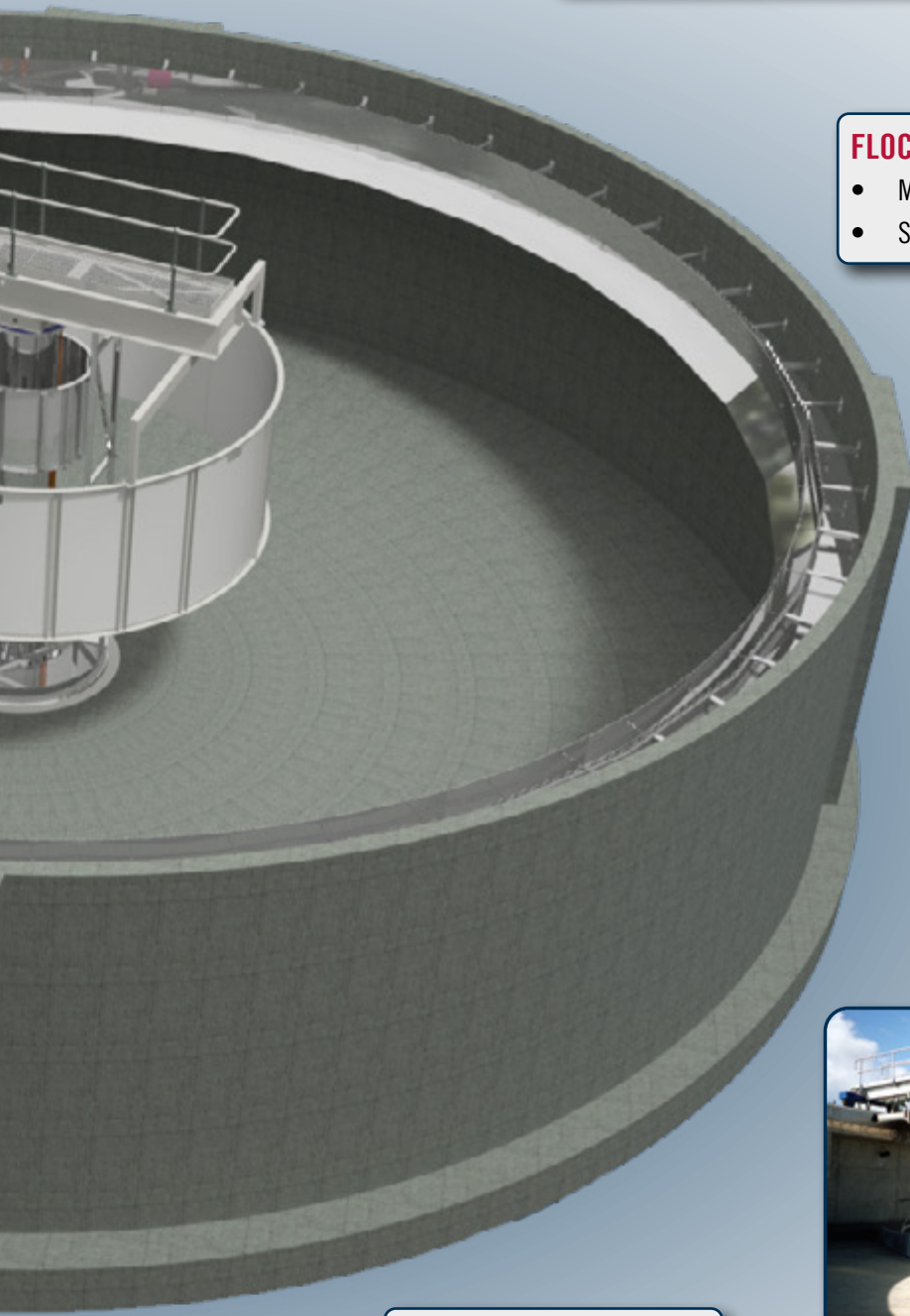
SLUDGE COLLECTOR ARMS

- Suction Arm
- Log Spiral Scrapers
- Plough Scrapers
- Suction Lift System



BAFFLE SYSTEMS

- Stamford Baffles
- Crosby Baffles





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World-Class Clarifier Solutions

Lamella Clarifiers

- High-rate Lamella plate systems
- New or retrofit options
- 304/316 stainless steel internals
- Concrete or steel tank
- Mechanical scraper / thickener rake
- Chemical mixing / flocculation options
- Scum removal systems
- Pneumatic plate cleaning systems



Tube Settlers

- Cost-effective tube settlers
- New or retrofit options



The Choice is Clear

CLAR-I-VATOR®

- Solids-contact clarifier system
- Combines flash-mixing, flocculation, sludge collecting and thickening
- Concrete or steel tank
- Multiple flocculation hood sizes
- For potable water or sewage treatment
- Lime saturators



Rectangular Scraper Systems

- FINNCHAIN non-metallic sludge collectors
- FINNCHAIN scum removal



World-Class Clarifier Solutions for Water & Wastewater Treatment

Project Examples



Clarifier – Municipal STP
Queensland



Lamella Clarifier – Steel Manufacturing
Queensland



Clarifier – Pulp and Paper
Tasmania



Clarifier – Municipal WWTP
New South Wales



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Offices in Australia and New Zealand:

Adelaide [AU]

Phone: (0)8 8166 5030

eMail: jgill@SandL.com.au

www.SandL.com.au

Penrith [AU]

Phone: 02 9417 3611

eMail: pfazzolari@sandl.com.au

www.SandL.com.au

Auckland [NZ]

Phone: 09 488 6701

eMail: dmaynard@sandlnz.co.nz

www.SandLNZ.co.nz