Soluscope® Series 2

A fully automatic,
sealed system for reprocessing
Flexible Endoscopes in **15 minutes**

Safe for the

- ***Patient***
- ***User***
- ***Endoscope***

The answer for both small and large Endoscopy Departments

AN ADVANCED SYSTEM THAT ENZYME CLEANS AND HIGH LEVEL DISINFECTS

ARTG REGISTRATION NUMBER AUST R 77216

GALLAY SCIENTIFIC

Soluscope® Series 2

Widely used throughout Australia in both Public and Private Hospitals, including Endoscopy Clinics and Day Surgeries.

The Soluscope cleaning and high level disinfection process is reproducible and computer controlled, working at an optimized temperature (45°C) and concentration.

The Soluscope Process.

The endoscope is completely immersed throughout the entire cycle. All channels are flushed and irrigated with an optimized flow.

The cycle features:

- **Continuous leak test*** to prevent any water penetration in the endoscope.
- **Precleaning**, channels are flushed with air-water pulses to remove any debris in the endoscope after manual brushing.
- **Enzyme cleaning and rinse****, Soluscope E is pumped throughout the channels of the endoscope with differing pressures for the suction/biopsy channels and air/water channels. Rinsed with 0.2 micron filtered water.
- **Disinfection and rinse*****, Soluscope D is pumped throughout the channels of the endoscope. The disinfectant is only used once. There is NO RE-USE OF DISINFECTANT. Rinsed with 0.2 micron filtered water.
- **Air Dry**, the channels are completely dried with 0.2 micron fitered air

THIS WHOLE PROCESS TAKES ONLY 15 MINUTES!!!

- **Alcohol Drying** is also available for the final cycle of the day, prior to storage of the endoscope.
- **Self disinfection cycle******** at the end of day.

The European standard for Washer Disinfectors (WD) pREN 15883-4 2001 states

* 4.2 Leak test

** 4.3.22 Cleaning shall comprise with a detergent solution... Washing shall be followed by rinsing.

*** 4.5.5 Whenever practicable the disinfectant solution should be discharged at the end of the process cycle.

**** 4.8.1 A self disinfection cycle shall be provided...

The fastest and most reliable answer with outstanding features:

- Compact
- No Fumes
- Silent
- Continuous leak test
- Single use of chemicals
- Self disinfection
- Validation printout

SAFE FOR THE PATIENT.

Computer Controlled.

The computer of the Soluscope controls the parameters of the cycle, including:

- chemical dosing
- temperature
- endoscope leak testing
- lid seal pressure
- water filter blockage
- and many more.

Only if all parameters are met will the Soluscope print out a validation ticket.

Validation Ticket Details:

- Name of hospital
- Name of department
- Soluscope Serial number
- Cycle number
- Endoscope identification number
- Start time
- Completion time

Single dose of chemicals.

The disinfectant and the enzyme cleaner are used only once. This ensures **minimal risk of cross contamination.**

Efficient Rinsing.

Due to the low concentration of the disinfectant and extremely efficient rinsing, no residual disinfectant is left on the endoscope. This eliminates the problems of reactions to the patients caused by poor rinsing.

Self Disinfection Cycle.

The Soluscope has a unique self disinfection cycle. Machines can disinfect endoscopes but the Soluscope ensures that the **endoscope does not become contaminated.** Chlorine is circulated throughout the entire hydraulic circuit before being reverse flushed through a 0.2 micron capsule filter. The filter is then flushed with fresh disinfectant which remains in the machine until it is to be used again. This cycle **disinfects both the machine and the filter.** It is important to disinfect the filter because a contaminated filter will otherwise contaminate each endoscope processed. Microbiological samples are taken once a month to ensure no contamination.

SAFE FOR THE ENDOSCOPE.

Mild Temperature 45°C

The temperature of **45°C enhances the chemicals efficacy**, allowing to use low disinfectant concentration.

45°C is within the endoscope manufacturers specified temperature limit of between 55°C and 60°C.

The Soluscope operates at a constant 45°C, therefore the endoscope does not suffer early aging due to elevated or low temperature.

Continuous Leak Test

Prevents water penetration into the endoscope.

The leak test is maintained during the entire cycle.

If a leak is detected, the Soluscope alarms, drains and maintains a positive pressure until the tank is completely drained.

Soluscope users Australian wide have found that **endoscope repairs have been cut down dramatically.**

Flow through the Endoscope

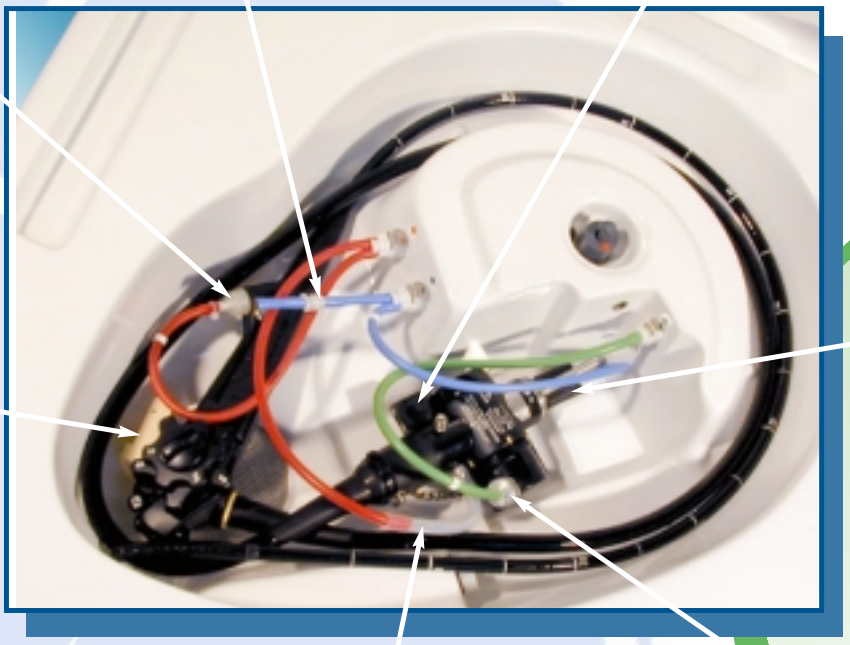
The Soluscope ensures that the flow of chemicals comes in contact with all the channels of the endoscope, despite differing sizes.

This is achieved by the two sets of pumps, one for the suction/biopsy channels and another for air/water and extra channels.

Prevention of Biofilm

Formation of bacterial biofilm is due to stagnant environments which is the case in manual cleaning and disinfection.

The technology of the Soluscope involves a turbulent flow of liquid/air through the endoscope channels which is disruptive to biofilm formation. Soluscope effectively **minimizes the risk of biofilm formation in endoscopes.**



Easy Connection of Endoscopes

All brands of flexible endoscopes can be processed in the Soluscope, including Olympus, Fujinon and Pentax. Connection sets are provided that ensure easy and quick connecting and disconnecting of the endoscope.

SAFE FOR THE USER.

No Contact with Chemicals

The Soluscope automatically measures the correct dosage of chemicals from the supplied bottles. **No decanting of chemicals required.**

Absence of Fumes

No chemical vapors are present due to an **airtight lid seal.**

As soon as the cycle starts, the airtight lid seal is inflated and will not deflate until the end of the cycle when the endoscope has been rinsed.

Printout of Validation Ticket

At the end of the cycle, a validation ticket is automatically printed only if the computer has validated all the parameters of the cycle.

The printout is then attached to the tracking sheet of the endoscope to be **added to the patient records.**

Easy to Use

The Soluscope has a computer touch key pad in which the user enters the cycle number, the endoscope number, press enter and**.... come back 15 minutes later**.

The digital screen displays the progress of the cycle and the time remaining.

Gallay Automatic Pasteurization System (GAPS)

Gallay Scientific has addressed the problem of formation of pseudomonas biofilm and other bacteriological activity that occur in plumbing systems by developing the GAPS System, an automatic pasteurization system for pre-filters.

Pasteurisation is essentially carried out by passing hot water at approximately 70°C through the system with a contact time of 30 minutes.

The **GAPS System :**

- Electronically controlled with LCD displays and offers complete user friendly flexibility, enabling the system to be programmed to run during overnight hours when the endoscopy unit is not operating.
- Recirculates the water in a totally enclosed system that dramatically reduces both water consumption and heating costs.
- Complete regulation of temperatures, water flow and contact time.
- Prints out validation tickets for proof of process and tracking records, displaying start and finish times, temperature reached and cycle length.

The GAPS System can be incorporated with an existing Soluscope trolley system or wall mounted system and can also be fitted to any other prefiltration system.

GAPS System offers peace of mind and long term savings on filter consumption.

Technical Specifications

	Soluscope	with prefiltration mounted on trolley
Dimensions:		**Overall Dimensions:**
Depth	630mm	700mm
Width	630mm	700mm
Height (lid closed)	360mm	1060mm
Height (lid open)	930mm	1630mm
Material:	Polyester	Zinc Annealed / Acid Alkali resistant coating
Water Consumption:	40 litres per cycle	
Electrical Consumption:	0.3kw incoming water at 40°C	
Capacity:	1 endoscope (gastroscope, colonoscope, duodenoscope, echoendoscope or 2 broncho/cystoscopes per cycle).	
Water Supply:	Hot Water (pressure min 250kpa max 250kpa) Cold Water (pressure min 250kpa max 450kpa).	
Drain:	50mm diameter waste	
Electrical Supply:	1 x 240 Volt 15 amps 1 x 240 Volt 10 amps	
Noise level:	40dB	

8 Different Cycles are available.

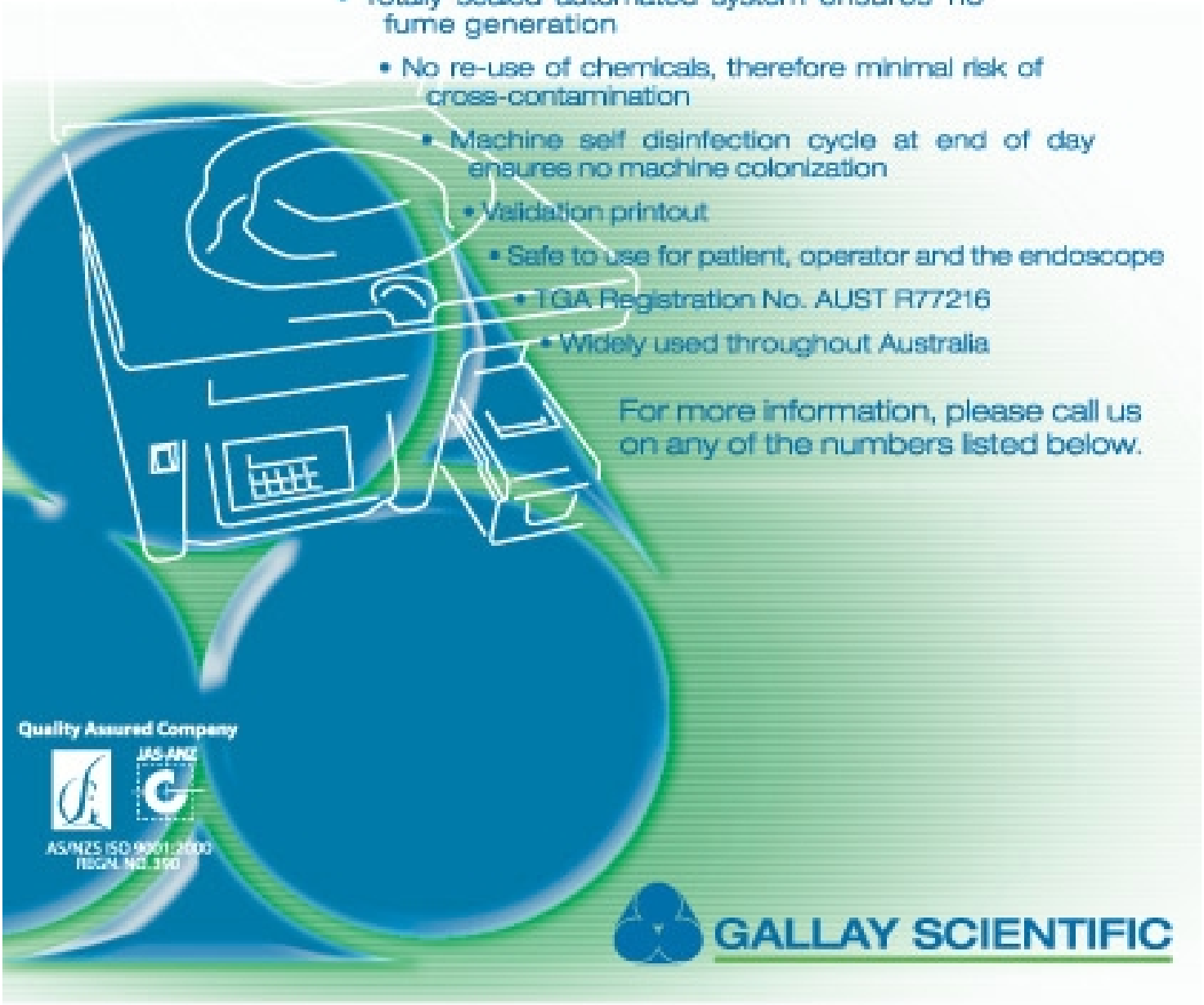
CYCLE 1 Standard between patients	CYCLE 2 Last Endoscopes of the Day with Alcohol Drying	CYCLE 3 Intense Cycle Bronchoscopes Duodenoscopes	CYCLE 4 Start of Day	CYCLE 5 Drying with Alcohol only	CYCLE 6 WEEK-END Self Sterilisation/ Disinfection with Soluscope C	CYCLE 7 End of day Self Sterilisation/ Disinfection with Soluscope C	CYCLE 8 Descaling with Soluscope S
Control Cleaning Disinfection Rinsing Drying Printing **15 minutes**	Control Cleaning Disinfection Rinsing Alcohol injection Drying Printing **18 minutes**	Control Cleaning Disinfection double dose Rinsing Drying Printing **17 minutes**	Control Disinfection Rinsing Drying Printing **11 minutes**	Air Drying Alcohol Inject Drying **3 minutes**	Soluscope sterilizes/disinfects and drains, disinfectant remains in tubing and side filter Before using Soluscope again, Press ENTER Printing **> 25 minutes**	Same as cycle 6 does final rinse at preprogrammed time -e.g 0600HRS. If Soluscope is needed prior to this, PRESS the +/- key for 3 seconds prior to starting a new cycle. Printing **> 25 minutes**	Descaling **30 minutes**

v23.1

Soluscope® Series 2

FAST, SAFE AND RELIABLE ANSWER FOR REPROCESSING FLEXIBLE ENDOSCOPES

- 15 MINUTE PROCESSING TIME
  INCLUDES:
  - Continuous Leak Test
  - Enzyme Wash
  - Rinses
  - High Level Disinfection
  - Rinses
  - Drying
- Totally sealed automated system ensures no fume generation
- No re-use of chemicals, therefore minimal risk of cross-contamination
- Machine self disinfection cycle at end of day ensures no machine colonization
- Validation printout
- Safe to use for patient, operator and the endoscope
- TGA Registration No. AUST R77216
- Widely used throughout Australia



For more information, please call us on any of the numbers listed below.

Quality Assured Company

AS/NZS ISO 9001:2000
REGN. NO. 390

GALLAY SCIENTIFIC

6 Florence Street, Burwood, VIC 3125
Telephone: (03) 9888 8422
Facsimile: (03) 9888 8355

Brisbane: (07) 3821 4755
Email: sales@gallay.com.au

Unit 3/4 Duck Street, Auburn, NSW 2144
Telephone: (02) 9647 2002
Facsimile: (02) 9647 2052