

SYSTEMS IV — SCALE CONTROL

SC300HSYS



CITRYNE® scale control for flight machines and high-throughput lines

The largest of the scale-control systems, sized at 22.7 L/min for flight ware washers and continuous high-throughput lines. CITRYNE® chelation protects boilers, rinse arms and heat exchangers across a full service without restricting flow, and requires neither power nor drain.

22.7 L/min

SERVICE FLOW

8.6 bar

MAX PRESSURE

6 months

CARTRIDGE LIFE



Replacement cartridge set — carbon block and CITRYNE® scale-elimination cartridge. Unit reference TPS-C10S10.

FEATURES

- CITRYNE® food-grade citrate chelation — no EDTA, no artificial chelants
- Sized for continuous, high-throughput washing
- Protects boilers, rinse arms and heat exchangers
- No flow restriction at peak service
- Cartridge changes in minutes, without stopping water flow

APPLICATION

- Flight ware washers
- Central dish and pot wash lines

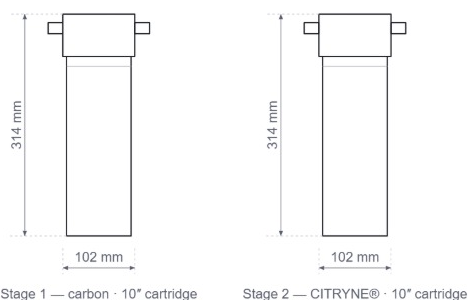
SPECIFICATION

Service flow rate	22.7 L/min (6 GPM)
Treatment	Two-stage: carbon + CITRYNE® scale elimination
Application	Flight ware washers and high-throughput lines
Stage 1 cartridge	10" × 100 mm diameter — activated carbon, chlorine taste and odour
Stage 2 cartridge	10" × 100 mm diameter — CITRYNE® scale elimination
Operating pressure	1.7 – 8.6 bar (25 – 125 psi)
Operating temperature	1.7 – 38 °C (35 – 100 °F)
Cartridge life	Up to 6 months
Connection	½" inlet ball valve; ¾" quick-connect outlet, as supplied
Mounting	Wall-mounted stainless steel bracket
Power supply	None required
Replacement pack	58022001
Certification	NSF/ANSI 42 — tested and certified for cyst reduction

TECHNICAL DRAWING

SC300HSYS — cartridge and housing geometry

Cartridge and housing geometry, nominal. Inlet and outlet ports on the manifold head.
Allow 75 mm below each sump for cartridge removal.



Two-stage cartridge and housing geometry.

APPROVALS AND NOTES



System tested and certified by NSF International
against NSF/ANSI 42 for aesthetic effects.

Operating limits, cartridge sizes and part numbers read from the product labels of the unit photographed. All dimensions and weights converted from the manufacturer's imperial data and rounded; nominal values only.

ENQUIRIES AND QUOTATIONS

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Specifications are nominal and subject to change without notice. Imperial source data converted to metric.