

PLANOVA™ S20N Spotlight Vol. 5

for Biopharmaceuticals

Ready for any Challenges - Secure, Simplified, Superior

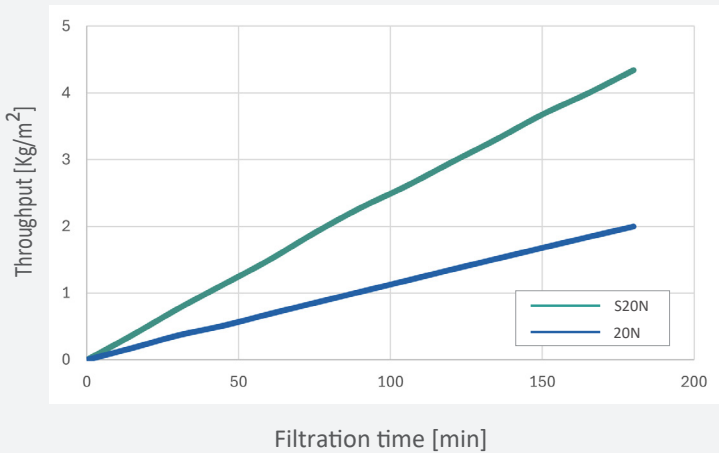
KEY FEATURE

“Simplified”

Planova™ S20N is the next generation regenerated cellulose virus removal filter that is ready for any challenges, designed to deliver a peace of mind for unique challenges in your process.



Simplify your virus filtration step while reducing required surface area with Planova S20N



Filter	Pressure (kPa)	3h Throughput [kg/m²]	Required membrane area m²
S20N	196 (28.4 psi)	4.3	8
20N	98 (14.2 psi)	2.0	16



50% less surface area needed

Example: Processing 2,000 L in 3 hours requires 16 m² with 20N, but only 8 m² with S20N

GPT not required with Planova S20N, meaning simplifying operation and reducing handling error



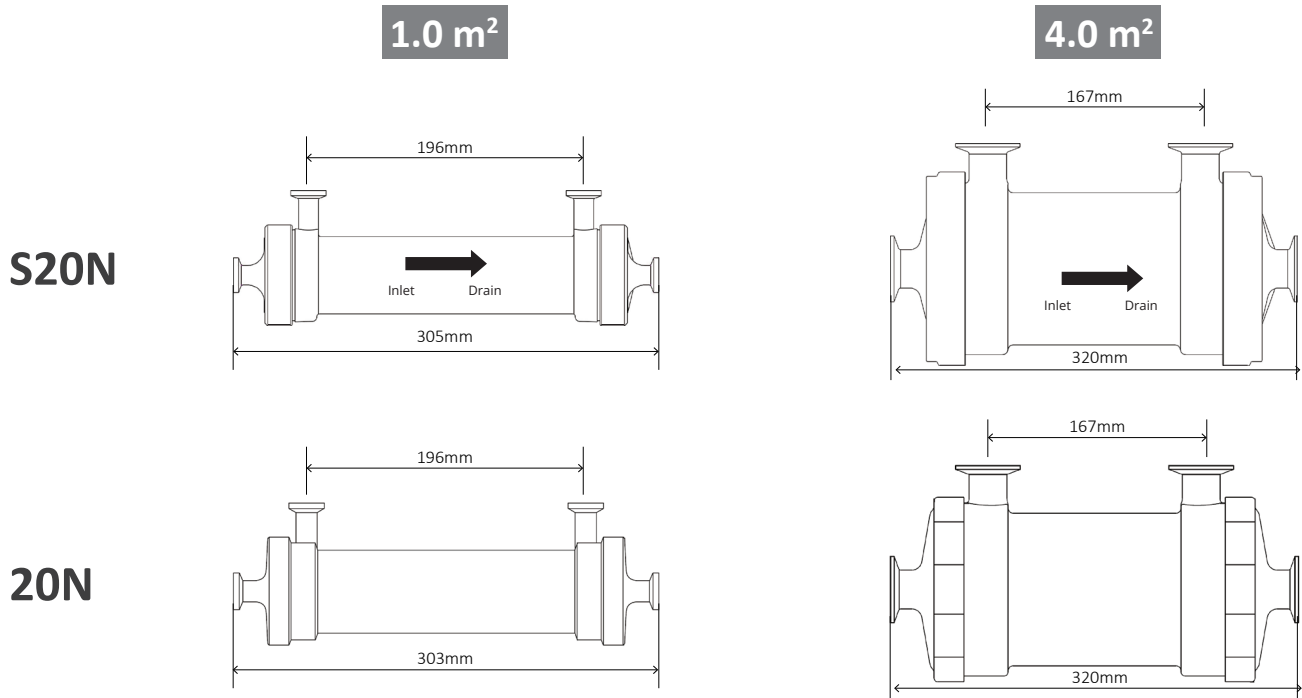
A key operational difference is how post-use integrity testing is conducted.

Planova S20N: **Leakage test**
or
Diffusion test

Planova S20N does not require GPT, eliminating the time required for its preparation, execution and judgement.

Planova 20N: Leakage test and gold particle test (GPT)

Planova S20N and 20N share the same dimensions, ensuring compatibility to any existing filtration skid



- All the nozzles on both filters are the same industry-wide standard. The clamps and gaskets that customers are currently using for Planova 20N will be compatible with Planova S20N.
- The materials are the same, and the leachables levels are equivalent.

* Values for filter housing measurements are for reference only and may differ slightly from actual measurements.

Planova S20N Technical Support and Training Service

- » Responsive technical support and training from virus filtration experts
- » Hands-on training with Planova Operators Course (both in-person and virtual)
- » Full support across all phases from process development to manufacturing



Through innovation and willingness to listen to our customers, we have newly developed the Planova S20N as Planova filters made from regenerated cellulose hollow fiber membranes. Planova S20N shows higher throughput, robust virus removal capability, and stable protein filterability at higher operating pressures. Planova S20N is specifically designed to improve user-friendly operation while achieving stable filtration over a wide range of solution conditions, inherited from Planova 20N. We aim to provide “Assurance Beyond Expectation” to ensure product safety and manufacturing efficiency for therapeutics in the form of innovative yet exceptionally reliable purification consumables, equipment and support services.

PLANOVA™
Assurance Beyond Expectation

