



LARGE PARTS? NO PROBLEM...

Six reasons to use the CTS Sentinel 3520 for large part leak testing

It's hard to find small leaks in large parts, especially when cycle times are an issue. Repeatability is a challenge because of the physics of large parts. You also want the flexibility to handle different model types with the same test. And, if leaks aren't caught at the factory, there's a high cost associated with accessing large parts for replacement in the field.



TEST PARTS FROM
<20 - 1000L



1

BLAZING SPEED

SHORTEN TIME TO FILL AND STABILIZE

- 1/2" diameter valves instead of 3/8"
- Pneumatics separated from controller and placed close to part under test to reduce hose runs and system volume
- Programmable pressure profile for consistency in high pressure fast fill
- Patented PID controls for precise fill

Fills a **33L** volume
83% FASTER than premium regulators



HIGH performance, dual stage electronic regulators
SPEED test time

2

ENHANCED CONTROL

MANAGE ENVIRONMENTAL FACTORS

- Part temperature
- Part flexibility
- Auxiliary sensors



3

EXTREME ACCURACY

GET RESULTS YOU CAN TRUST

- Process Signature Verification (PSV) software uses digital signatures to provide thousands of datapoints - not just start/stop



Pressure resolution

down to
±0.000,01 psi

Flow measurement

down to
±0.2% of full scale

4

INCREASED INSIGHT

LET DATA TELL THE STORY

- Digital signatures give insight into every millisecond of the process
- Production real-time data reveals anomalies quickly



5

TOTAL VERSATILITY

RUN THE LINE THE WAY YOU WANT

- Manage up to 99 different models, especially important for large part, low volume
- Manage the processes before leak test on same controller
- Data gives flexibility to optimize tests and meet goals



Manage tests for **different part types & models**

Test part volumes as large as
1000L

Test **large and small** cavities on the same part

6



SUBSTANTIAL RETURN ON INVESTMENT

IMPROVE PRODUCTIVITY

REDUCE COSTS



SEE PAYBACK IN 4-6 MONTHS

AND CATCH LEAKS BEFORE PARTS LEAVE THE FACTORY



LEARN MORE ABOUT USING THE CTS SENTINEL 3520 FOR LARGE PART LEAK TEST AT:

www.cincinnati-test.com/leaktestlargeparts