

Model **3675**
TURNKEY LEAK TEST SOLUTION



Model 3675:

The Model 3675 Leak Test Station is a cost-effective turnkey station to deliver the speed and accuracy of Sciemetric leak testing in your plant. Use up to three 3520 Series Leak Test units controlled by a single sigPOD to conduct a range of leak tests, including pressure decay, mass flow, vacuum and more. The flexible Model 3675 can be used in production, in a lab or wherever you need to conduct a leak test.

General

- **Dimensions (HxWxD):** 62 x 30 x 28" rugged T-frame for mounting of all components, including 1 to 3 3520 Series units
- **Construction:** Steel and modular aluminum
- **Mobility:** Fixed casters (optional)
- **Operating temperature:** 5 to 40 °C
- **Operating humidity:** 8 to 90 %
- **Environmental:**
 - Monitor: IP65
 - Electrical enclosure: IP52 (NEMA 12)
 - Pneumatics: Open to air, components IP65
- **Finish:**
 - RAL 7035 (custom options available)
 - Aluminum: clear anodize
- **Weight:** Approx 182-204 kg (400-450 lbs)
- **Certifications:** CE, Nemko (consult factory for others)

Power

- **Supply voltage:** 220 VAC or 120 VAC single phase 50/60Hz (order option)
- **Input current:** 6.5 A, 10 A circuit breaker
- **Switch:** Lockable main disconnect switch with manual override

Air Supply

- **Connector:** Main valve – female ½" NPT
- **Supply pressure:**
 - Maximum: 150 psi
 - Minimum: 15 psi above highest 3520 test pressure or 40 psi (whichever is greater)
- **Required flow capacity:** 35 SCFM (1000 SLPM) for one 3520, up to 100 SCFM (2800 SLPM) for more
- **Air purity class: Standard:** ISO 8573.1:2001 Class 3.4.2 or better
- **Air dryness:** ≤ 3 °C dew point
- **Oil concentration:** ≤ 0.1 mg/m³
- **Gas compatibility:** Air



Base Pneumatics

- **Air preparation filter regulator,** 150 psi maximum, 200 SCFM
- **Accessibility:** Lockable, front and rear
- **Lockout:** Main lockable shutoff valve
- **Supply valve:** Integrated electronic supply isolate/shutoff valve
- **Isolation tank:** 18 L (4.7 Gal) with automatic air discharge valves
- **Air filtration 1:** 5 micron particulate filter with removable water collector bottle
- **Air filtration 2:** 0.3 micron coalescing filter with removable water collector bottle
- **Input regulator:** Main regulator feeds isolation tank, 3520 pilot supply and 3520 pre-regulators
- **3520 pre-regulators:** Precision regulator for each 3520 Series supply input
- **Number of 3520 units:** Up to 3 (priced separately)

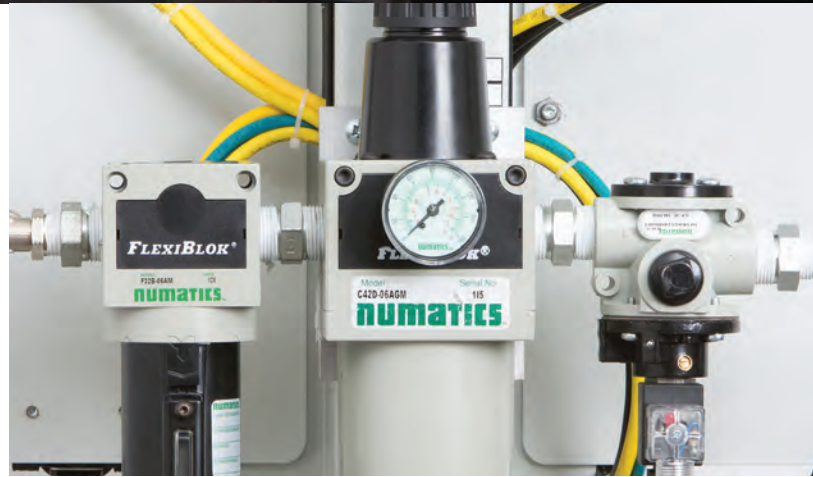
Electrical Control Panel

- 120/220 VAC 50/60 Hz disconnect J-box
- **Internal power rail:** 24 V 8 A power supply for leak tester, monitor and switch
- 5-port (M12 D-coded) Ethernet switch for communication with database and plant systems
- **Controller:** sigPOD 1202 unit (priced separately)
- **Power conditioning:** Ultra-capacitive UPS for brownout protection and safe shutdown or standard battery UPS (optional)
- **PLC interface:**
 - Standard: manual operation only (PSV software installed)
 - Consult factory for automated station options, many fieldbuses available
- **Air circulation:** NEMA 12 fan and air intake with replaceable filter

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Operator Interface

- **Test status indicators:** 4-position stack light (optional)
 - Red: Part fail
 - Green: Part pass
 - Yellow: Test in progress
 - White: Fault/maintenance
- **Display:** 15" monitor with adjustable ergo bracket, sigPOD enclosure to make entire stand IP65
- **Data entry:** Touch screen, mouse and keyboard in ergonomic placement
- **Control buttons:** Optional (consult factory)
- **Part connections:** Not included (consult factory)



Ordering Information

The Model 3675 can be customized to accommodate plant requirements, including any geometric concerns (i.e., orientation) with the leak tester and the tested part. This can include remote mounting of the 3520 Series units, pneumatic connection kits and more. Please discuss your requirements with us for a full quotation.

Base units

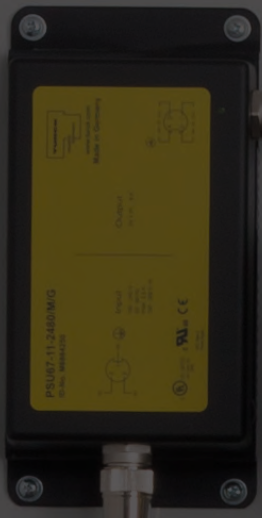
Part number	Number of 3520 Series Leak Test Modules supported	AC power input (single phase, 50 or 60Hz)	
40000-3675-1000	1	120 VAC/220 VAC	Wired for one sigPOD 1200 controller
40000-3675-2000	2	120 VAC/220 VAC	sigPOD and 3520 Series are priced separately
40000-3675-3000	3	120 VAC/220 VAC	



Options

Part number	Description
40000-3675-0001	4-color stack light for Model 3675 Leak Test Station
40000-3675-0002	Custom paint for Model 3675 Leak Test Station. Please specify RAL#.
40000-3675-0003	APC Smart UPS for Model 3675 Leak Test Station
40000-3675-0004	Dynics IP65 UPS for Model 3675 Leak Test Station
40000-3675-0005	Siemens IP65 SITOP UPS for Model 3675 Leak Test Station
40000-3675-0006	Cognex DataMan 8600 for Model 3675 Leak Test Station
40000-3675-0007	Symbol Scanner for Model 3675 Leak Test Station
40000-3675-0008	4" casters for Model 3675 Leak Test Station
40000-3675-0009	Accumulator for Model 3675 Leak Test Station
40000-3675-0010	IP65 enclosure for sigPOD on Model 3675 Leak Test Station
40000-3675-0011	Managed IP65 Ethernet switch for Model 3675 Leak Test Station
40000-3675-0012	Crating and packaging for Model 3675 Leak Test Station, recommended for overseas shipment. Shipping fees extra.
40000-3675-0013	Custom link hose kit. Required size and length to be specified.





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