

# SWEMA Leak Tester – Duct Leak Tester

Range: 22...120 l/s, 4...33 l/s

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Duct Leak Tester  
Art.No. 765900

- **Stable Pressure Control**
- **P/N:765900, 22-120 l/s (at  $\pm 400$  Pa)**
- **P/N:765901, 4-33 l/s (at  $\pm 400$  Pa)**

This leakage tester for ducts connects to a Swema 3000md with SWA 10. Swema 3000md controls the tester to test at selected pressure level between -850 and 850Pa. A leakage level is saved together with the pressure level.

The Swema 3000md inbuilt differential pressure sensor measures the over pressure in duct and SWA 10 measures the leakage flow over a throttle device with a certain k-factor.

An radial fan is used to be able to provide highest possible pressure at these moderate air flows.

Tighten the ventilation supply and exhaust with tightness bladders.

The duct leakage tester is used according to European standard **EN 12237** and **EN 1507** up to a limited pressure of 1900 Pa.

## Standard Kit Comes With:

- 1) Duct Leak Tester (P/N: 765900 or 765901)
- 2) SWEMA 3000md – Data Logger (P/N: 764202)
- 3) SWA 10 – Differential Pressure Probe (P/N: 761430)
- 4) Holder 2pcs & Stopper 1pcs – Holder to attach SWA10 to SWEMA 3000md (P/N: 764760)  
Stopper to prevent sliding off from attachment (P/N: 764870)
- 5) Silicon Hose 8m – Connecting hose for tester and SWEMA 3000 and duct (P/N: 762470)

## Optional Accessories:

- 1) Bladder dia 250mm – To seal duct (P/N: 765080)
- 2) Bladder dia 400mm – To seal duct (P/N: 765090)
- 3) Bladder dia 600mm – To seal duct (P/N: 765100)
- 4) Pump – Pump with connector to pump up bladders by hand (P/N: 7666620)
- 5) Measuring pipe 4...33 l/s (P/N: 767890)
- 6) Measuring pipe 22...120 l/s (P/N: 766430)



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In addition to all connectable probes SWEMA 3000md also has two built-in sensors, one differential pressure sensor (manometer) and one barometer, and it has also a thermo couple connector for connecting external temperature sensor type K.

Weight: 490g

IP Rating: IP50

**SWEMA 3000md Universal Instrument**  
**Art.No. 764202**

SWA 10 is a field probe that is used together with SWEMA 3000md or 3000mdH+ and a leakage tester. SWEMA 3000md inbuilt differential pressure sensor measures the duct pressure while the differential pressure probe SWA 10 measures the leakage flow in the measuring pipe. SWA 10 has an inbuilt valve that zero checks the pressure.



**SWA 10**  
**Art.No. 761430**



Holder for SWA 10, SWA 07 and SWT 315 for attachment on Swema 3000/SwemaTemp 20/21 (2 holders and 1 stop is needed).

**Holder**  
**Art.nr: 764760**

Stopper for SWA 10, SWA 07 and SWT 315 for attachment on Swema 3000/SwemaTemp 20 (2 holders and 1 stop is needed).



**Stopper**  
**Art.nr: 764870**



Silicone hose for connectors with  $\varnothing$  4-7mm.

**Silicon Hose**  
**Art.nr: 762470**



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When leakage testing buildings or ventilation ducts need to be tightened. This is done by the use of inflatable bladders

**Bladder dia 250mm**  
**Art.No. 765080**

When leakage testing buildings or ventilation ducts need to be tightened. This is done by the use of inflatable bladders



**Bladder dia 400mm**  
**Art.No. 765090**



When leakage testing buildings or ventilation ducts need to be tightened. This is done by the use of inflatable bladders

**Bladder dia 600mm**  
**Art.No. 765100**

This measuring pipe is included as the standard pipe in the duct leakage tester for low flow, part no 765901. The pipe is also possible to order as accessory to the standard duct leakage tester, part no 765900. The only difference between the leakage testers is the measuring pipe, which is easily interchangeable.



**Measuring pipe 4...33 l/s**  
**Art.No. 767890**



**Measuring pipe 22...120 l/s**  
**Art.No. 766430**

This measuring pipe is included as the standard pipe in the standard duct leakage tester, part no 765900. The pipe is also possible to order as accessory to the duct leakage tester for low flow, part no 765900. The only difference between the leakage testers is the measuring pipe, which is easily interchangeable.



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# SWEMA Leak Tester – Duct Leak Tester

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## Technical Data: MODEL 765900

### Flow Over Pressure

#### Leakage Tester with hose Ø100mm:

14...122 l/s at +400 Pa duct pressure

C-class Duct area 95...800 sqm at 400 Pa ([EN 12237](#), [1507](#))

25...103 l/s at +850 Pa duct)

#### Overpressure

16 l/s	at 1900 Pa
50 l/s	at 1500 Pa
73 l/s	at 1200 Pa
85 l/s	at 1000 Pa
110 l/s	at 500 Pa
114 l/s	at 400 Pa
122 l/s	at 200 Pa

### Flow Under Pressure

#### Leakage Tester with hose Ø100mm:

22...120 l/s at -400 Pa duct pressure

C-class Duct area 150...800 sqm at 400 Pa ([EN 12237](#), [1507](#))

32...95 l/s at -850 Pa duct pressure

Lower duct pressure extends the flow range.

#### Underpressure

128 l/s	at -500 Pa
120 l/s	at -750 Pa

### Measurement Uncertainty

±6.5%, read value (when used together with SWEMA 3000md and SWA10)

At 95% coverage probability in non condensing, non moist air, <80%RH, non aggressive gases.

### Specifications

**Weight:** 18kg

**Power:** 0.37kW, 220V supply

