



CETA Standard Leak

The CETA standard leak can be used for the quick and comfortable monitoring of the CETA leak testers according to the documents of quality assurance. At a selected pressure this calibration device has a defined flow (ml/min).

By connecting the standard leak to the measuring circuit of the leak tester a determined leak can be simulated. This procedure enables the check of the correct adjustment of the test equipment and/or the entire test system including the adapter fixture within seconds. The CETA standard leak is supplied with a calibration certificate.

Material

The leak consists of a porous sintered precision metal. According to the quality controlled manufacturing the standard leaks show a constant flow.

Standard leaks and customized leaks

If the necessary flow value is not listed in the CETA standard table, a customized leak can be manufactured. Special version for pressure rise test with double plug nipple connections in the front panel of the CETA leak tester.

Connection

The standard leak can be connected directly to the standard leak receptacle of the CETA leak tester or can be connected to the adapter fixture.

Type of connection

Pressure inlet: plug nipple RBE 03
Pressure outlet:

- 1/4" external thread
- plug nipple RBE 03 (version pressure rise)
- PA tube connection (6 x 1 mm / 8 x 1 mm / 10 x 1 mm)

Maintenance recommendation

The CETA standard leak has to be calibrated at regular intervals. This calibration (with certificate) can be done by the CETA service.

Advice

The leak is designed for the use with clean and dry compressed air.

Scope of delivery

Standard leak, calibration certificate, storage case



Table of available standard leaks (excerpt)

Pessure/bar-0.5		-0.1	0.02	0.05	0.1	0.5	1	2	3	4	5	6	7	8	9	10	
Standard Leak (type)	TL1	-	-	-	-	-	0.02	0.04	0.10	0.15	0.25	0.30	0.45	0.55	0.70	0.85	1.10
	TL2	-	-	-	-	0.02	0.15	0.4	0.87	1.6	2.5	3.7	4.8	6.3	7.9	9.8	11.2
	TL3	-	-	-	0.03	0.07	0.40	0.93	2.4	4.3	6,8	9.5	13	15	20	23	27
	TL4	0.5	0.12	0.02	0.07	0.15	0.8	1.8	4.5	7.9	13.5	18	24	31	40	45	52
	TL5	1.1	0.23	0.05	0.10	0.25	1.5	3.5	9.5	16.5	26	34	45	57	68	82	96
	TL6	2.4	0.63	0.12	0.3	0.6	3.7	8.6	21	38	58	79	102	127	154	180	210
	TL7	4.8	1.15	0.3	0.65	1.3	7.5	17	45	77	115	158	202	250	300	320	370
	TL8	10.5	2.7	0.6	1.4	2.8	17	38	91	156	227	305	390	470	560	590	670
	TL8a	24	6	1.2	3.2	6.5	38	93	230	420	630	890	1170	1450	1750	2050	2400
	TL9	46	11.5	2.5	6.4	13	74	173	440	790	1200	1600	2100	2600	3100	-	-
	TL10	107	28	5.9	15.5	31	185	400	880	1400	2000	2600	3200	3800	4500	-	-

All flow values are specified in ml/min (pressure outlet direction).

The pressure values are specified as negative resp. positive gauge pressures.

Due to production reasons, the exact flow value is determined at the time of delivery. It can deviate up to +/- 25% (Standard leak with flow bigger than 1 ml/min) or +/- 30 %

(Standard Leak with flow smaller than 1 ml/min) from the value listed in the standard table of standard leaks.

In case the necessary value is not listed in the CETA standard leak table, a customized leak can be manufactured.

