

LEAK MASTER



A LEAK MASTER GUARANTEES THE EFFICIENCY OF YOUR TESTING CYCLE

- WIDE RANGE OF STANDARD VALUES
- EASY TO USE
- AFFORDABLE AND RELIABLE



CALIBRATION SERVICE

- Each Leak Master is provided with a calibration report that can be referred to national and international primary instruments as per ISO9001
- Fast and easy periodic checks
- Staubli® RBE03 male fitting

TEST

LEAK MASTER

Rev.09/22

To answer to all the quality control needs, the Leak Masters are the ideal operational tools to periodically check the efficiency of the testing systems in a quick and easy way.

At a given pressure, a leak master guarantees a given leak flow rate.

By inserting the leak master in the test circuit, you can easily check both the testing equipment and the mechanical connections to the tested product.

Leak Masters have a convenient male Staubli® RBE03 fitting and are available in a wide range of values, both standard and customer-specified.

STANDARD VALUE TABLE

Leak type Pressure test	Standard leak rates: cm ³ /min (provided +/- 20% of tolerance on table flow values) Reference environmental conditions: 20 °C, 1013 hPa												cm ³ /min	l/min
	A0	A1	A	B	C	D	E	F	G	H	I	K		
-800 mbar	0,019	0,100	0,184	0,405	0,832	1,459	3,58	7,17	15,07	45,7	69,3	167,1	1187	
-600 mbar		0,081	0,147	0,333	0,685	1,205	3,03	6,11	12,89	39,9	59,5	145,1	1065	
-500 mbar		0,071	0,124	0,290	0,596	1,051	2,66	5,38	11,41	35,7	52,6	129,5	970	
-400 mbar		0,059	0,106	0,240	0,495	0,877	2,24	4,55	9,63	30,6	44,7	110,6	851	928
-200 mbar		0,031	0,056	0,131	0,267	0,478	1,231	2,50	5,34	16,4	24,8	62,2	520	1168
-100 mbar			0,028	0,066	0,140	0,249	0,643	1,316	2,81	8,70	12,29	32,9	293	676
-50 mbar				0,036	0,071	0,128	0,328	0,672	1,43	4,44	6,28	15,66	157,4	369
20 mbar				0,015	0,027	0,052	0,139	0,283	0,59	1,85	2,59	6,44	67,3	167
50 mbar			0,016	0,034	0,069	0,133	0,347	0,714	1,50	4,62	6,55	16,26	165,5	387
100 mbar			0,032	0,073	0,141	0,270	0,717	1,455	3,06	9,40	13,38	35,75	322	737
150 mbar		0,024	0,050	0,107	0,215	0,410	1,088	2,24	4,68	14,37	21,75	55,30	471	1058
200 mbar		0,034	0,062	0,145	0,293	0,560	1,481	3,03	6,36	19,43	29,50	74,60	616	1379
300 mbar		0,057	0,097	0,225	0,455	0,869	2,30	4,73	9,89	31,60	46,10	115,6	897	1,73
400 mbar		0,075	0,133	0,313	0,624	1,196	3,17	6,51	13,69	42,95	64,10	158,00	1173	2,20
500 mbar	0,018	0,096	0,170	0,404	0,807	1,542	4,12	8,46	17,71	54,70	82,95	203,0	1454	2,64
600 mbar	0,021	0,117	0,208	0,498	0,997	1,91	5,13	10,47	23,00	66,60	102,90	247,5	1731	3,10
800 mbar	0,026	0,168	0,292	0,700	1,409	2,71	7,28	14,85	32,50	91,05	146,30	345,0	1,98	4,00
1 bar	0,042	0,216	0,384	0,923	1,864	3,59	9,63	20,10	42,70	116,40	194,55	447,0	2,42	4,83
1,5 bar	0,065	0,365	0,641	1,563	3,15	6,08	16,35	35,05	70,65	182,10	331,0	726,0	3,56	6,60
2 bar	0,094	0,528	0,940	2,315	4,67	9,07	25,30	51,70	101,55	251,00	491,5	1029,5	4,64	7,65
2,5 bar	0,126	0,724	1,279	3,180	6,42	12,54	34,45	70,25	134,80	324,5	671,0	1357,0	5,62	10,83
3 bar	0,156	0,937	1,659	4,17	8,40	16,45	44,55	90,40	169,95	397,5	869,5	1708,0	6,66	12,96
4 bar	0,250	1,437	2,545	6,51	13,08	27,15	66,60	134,60	244,50	553,5	1321,5	2,14	8,94	16,30
5 bar	0,355	2,020	3,580	9,26	19,34	38,75	91,00	182,40	326,50	716,0	1822,0	2,72	10,89	19,82
6 bar	0,48	2,71	4,80	12,49	26,75	51,95	117,25	233,00	412,0	887,0	2,07	3,43	13,29	24,15
8 bar	0,784	4,16	7,88	27,05	45,10	83,70	173,50	365,50	595,0	1256,0	3,01	4,76	17,23	33,86
10 bar	1,153	6,06	11,51	27,30	66,55	120,55	233,00	464,50	788,0	1639,0	4,00	5,94		

*Out of table values are available on request, with +/-5% of tolerance on nominal flow required

REFERENCE CONDITIONS:

- The leak masters can be certified on request at normalized conditions (0 °C, 1013 hPa), or others custom conditions.

INSTRUCTION FOR USE AND PRECAUTIONS

- The leak master must be inserted in the testing circuit
- Handle with care, avoid all impacts, store inside the case after use
- Only use dry, non-condensing, 5-micron filtered, and oil-free air, better if compliant with ISO8573-1_1,2,1