

Leak Masters



**A LEAK MASTER GUARANTEES
THE EFFICIENCY OF YOUR
TESTING CYCLE**

**WIDE RANGE OF STANDARD
VALUES**

EASY TO USE

AFFORDABLE AND RELIABLE



For further information:
www.tecnasrl.com/products/leakmaster



Tests

- 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® connector

Leak Masters

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 Staubli® connection 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 (+/- 20%)											cm ³ /min	l/min	
	Reference environmental conditions: 20 °C, 1013 hPa													
	A0	A1	A	B	C	D	E	F	G	H	I	K	M	N
20 mbar							0,124	0,260	0,920	2,70	2,83	5,44	61,9	150,0
50 mbar						0,130	0,673	0,673	2,30	6,62	6,88	13,82	152,4	365
100 mbar					0,139	0,271	0,658	1,380	4,59	13,15	13,87	29,4	300	691
150 mbar				0,102	0,211	0,419	1,006	2,11	6,81	20,0	21,8	45,0	443	990
200 mbar				0,141	0,286	0,569	1,371	2,86	9,03	26,2	29,5	61,2	582	1273
300 mbar			0,089	0,219	0,446	0,887	2,14	4,46	13,46	39,0	46,0	95,0	852	1825
500 mbar		0,096	0,157	0,389	0,794	1,588	3,83	8,00	22,7	63,5	82,3	212	1383	2,69
1 bar		0,223	0,356	0,901	1,845	3,72	9,15	18,64	46,4	124,0	193,0	380	2,57	4,92
2 bar	0,075	0,560	0,887	2,28	4,66	9,49	23,3	64,0	99,0	246	483	884	5,00	9,01
3 bar	0,135	0,999	1,591	4,07	8,44	17,21	41,4	82,2	156,3	374	844	1470	7,31	13,02
4 bar	0,210	1,553	2,46	6,31	13,30	27,2	62,6	121,4	218	502	1257	2,09	9,88	16,44
5 bar	0,297	2,21	3,50	8,97	19,35	38,7	86,3	164,4	283	634	1720	2,75	12,38	20,19
8 bar	0,640	4,77	7,68	19,34	42,4	81,3	167,6	310	491	1052	3,20	4,86	18,74	33,73
10 bar	0,930	6,94	11,23	28,2	61,7	114,5	227	413	636	1341	4,28	6,15		

*Out of standard values are available on request.

REFERENCE CONDITIONS:

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

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, compliant with ISO8573-1

Calibration service

Each equipment is accompanied by a calibration report released by Tecna.

According to the requirements of ISO9001 standard, calibration must be verified at specified intervals against national or international test samples.

Tecna srl, through its own specialized personnel and certified instruments, offers a complete scheduled calibration service.