



CETA Master Jet

The CETA master jet is used for a quick and comfortable monitoring of the CETA test devices according to the documents of quality assurance. An exactly defined flow combined with a pre-selected pressure is the characteristic of this calibration device.

The CETA master jet has a higher flow than the CETA standard leak and therefore is provided for the use with CETA flow testers (CETA 900 / CETATEST 915 / CETATEST 915-G / CETATEST 925).

For some leak test applications with large leak rates the master jet can be equipped with a plug nipple and can be connected also to leak testers.

Material

The master jet contains a ruby with a precision drill hole.

Standard master jets

On the reverse side of this data sheet an excerpt of the available CETA master jets is listed.

Special master jets

If the necessary flow value is not found in the CETA standard table, a customized master jet can be manufactured.

Connection

The master jet is connected instead of the test part.

Type of connection

Pressure inlet:

- Optionally fitting for polyamid tube (6 x 1 mm, 8 x 1 mm, 10 x 1 mm)
- 1/4" external thread
- plug nipple RBE 03

Pressure outlet:

- 5 x 1 mm fitting

Advice

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

Recommendation of maintenance

The CETA master jet has to be calibrated in regular intervals. This calibration (with certificate) can be done by the CETA service.

Scope of delivery

Master jet, calibration certificate, storage case



Table of available standard master jets (excerpt)

	Pressure/bar	0.02	0.05	0.1	0.5	1	2	3	4	5	6	7	8	
Master jet (type)	TD 1	9.6	16.5	25	59	87	137	182	230	278	322	373	420	
	TD 2	18.8	31.7	47	112	164	253	338	427	510	600	685	772	
	TD 3	50	82	120	280	400	610	810	1020	1240	1440	1650	1850	
	TD 4	84	137	197	460	660	1000	1360	1700	2030	2370	2700	3030	
	TD 5	138	225	330	740	1050	1610	2140	2670	3190	3730	4260	4660	
	TD 6	200	330	490	1040	1510	2280	3020	3760	4500	5240	5970	6700	
	TD 7	280	470	690	1510	2140	3200	4250	5310	6350	7420	8490	9560	
	TD 8	380	640	940	1970	2750	4130	5480	6840	8170	9520	10800	11800	

The flow values are indicated in ml/min for the master jet types TD 1 up to TD 8.

	Pressure/bar	0.02	0.05	0.1	0.5	1	2	3	4	5	6	7	8	9	10
Master jet (type)	TD 10	0.8	1.5	2.1	4.5	6.0	9.6	12.0	14.3	18.2	21.0	24.4	27.3	30.0	32.6
	TD 11	1.1	1.9	2.7	5.7	8.0	12.0	16.2	20.0	24.8	28.6	33.7	36.1	41.1	48.4
	TD 12	1.5	2.2	3.3	7.1	10.2	15.4	20.3	25.4	30.3	34.9	40.0	44.8	50.9	54.5
	TD 13	1.9	3.4	4.8	10.0	12.6	19.8	27.7	34.1	40.5	47.6	51.7	61.2	68.2	69.8
	TD 14	2.2	4.0	5.5	11.8	16.1	24.7	32.7	41.7	46.8	57.7	65.2	75.0	85.7	90.9

The flow values are indicated in l/min for the master jet types TD 10 up to TD 14.

The pressure values are specified as positive gauge pressures.
Master jets for negative gauge pressures are available upon request.

Due to production reasons the exact flow value is determined at the time of delivery. It can deviate up to +/- 10 % from the value listed in the standard master jet table.

