

Based on the same compact design the HAAKE MeltFlow LT and MT are the ideal instruments for small laboratories and infrequent use in a quality control environment. All instruments comply with the ISO 1133, ASTM D 1238, ASTM D 3364, JIS K 7210 and referring standards. Regarding temperature stability and temperature uniformity (over the barrel length) all instruments are superior to these standards!



- Table top instrument
- Small footprint (30 x 25 cm)
- Easy handling and cleaning
- Very good price/performance ratio

The HAAKE MeltFlow LT is a compact measuring instrument for the determination of the melt index MFR which is easy to handle.

The HAAKE MeltFlow MT is an extended version of the HAAKE MeltFlow LT. It is extended by an exact measuring ram - length measurement to determine the exact MVR. The determination of the MVR value is done by an external control box or by a PC with the HAAKE MeltFlow Software. With the help of the control box the user can take the MVR measurement and read the result on the integrated display. The MVR measurements can also be monitored with a Computer (operating system MS-Windows 95/98, NT, ME, 2000 or XP). The Haake MeltFlow software is a project based software for the complete range of HAAKE melt flow indexers. It is designed for easy operation and includes all the tools necessary for performing melt flow index measurements, integrated statistical analysis, calculation of mean values standard deviation and more. With the optional available automatic cutter MFR- and MVR measurement are executed at the same time, so the determination of the melt density of the material possible.

Technical Specification

	HAAKE Meltflow LT	HAAKE Meltflow MT
Standards	ISO 1133, ASTM D.1238 and referring standards	ISO 1133, ASTM D.1238 and referring standards
Temperature range	Ambient - 350° C	Ambient - 350° C
Temperature control	< 2 microprocessors controlled PID regulators with Auto Tuning >	
Heating zones	2	2
Sensors	< 2 Thermocouples Type K >	
Temperature accuracy	± 0,1° C	± 0,1° C
Temperature stability	± 0,1° C	± 0,1° C
Temperature deviation over the whole barrel length	± 0,5° C	± 0,5° C
Barrel diameter	9,55 mm ± 0.0025 mm	9,55 mm ± 0.0025 mm
Barrel length	162,0 mm	162,0 mm
Piston (head) diameter	Barrel diameter -0.075 ± 0.0025 mm	Barrel diameter -0.075 ± 0.0025 mm
Piston (head) length	6.35 ± 0.10 mm	6.35 ± 0.10 mm
Die diameter	2.095 ± 0.005 mm	2.095 ± 0.005 mm
Die length	Length: 8.000 ± 0.025 mm	Length: 8.000 ± 0.025 mm
Material	Tungsten carbide	Tungsten carbide
Weights (force)	< 0,325 kg; 1,2 kg; 2,16 kg; 3,8 kg; 5,0 kg; 10,0 kg; 21,6 kg (± 0.5%) > < special weights on request >	
Weight	14 kg	15 kg
Size W / D / H	300 x 250 x 500 mm	300 x 250 x 500 mm
Power requirements	230 V, 50 Hz / 110 V, 60 Hz	230 V, 50 Hz / 110 V, 60 Hz

Order Information

Description	Order No.
HAAKE MeltFlow LT (230V) and 2,16 kg weight and die	556-0011
HAAKE MeltFlow MT (230V) with HAAKE MeltFlow Software and 2,16 kg weight and die	556-0027
HAAKE MeltFlow MT (230V) with control box and 2,16 kg weight and die	556-0023

Accessories for HAAKE MeltFlow LT und MT

Manual cutting for HAAKE MeltFlow device LT/MT	556-1001
Automatic cutting device for HAAKE MeltFlow MT	556-1002
0,325 kg weight for LT incl. piston holder	556-1010
0,325 kg weight for MT incl. piston holder	556-1020
1,20 kg measuring weight (real weight 0,875 kg)	556-1013
2,16 kg measuring weight (real weight 1,835 kg) standard delivery content LT/MT	556-1014
3,80 kg add on weight (real weight 1,64 kg) 556-1014 (standard delivery content) req.	556-1015
5,00 kg add on weight (real weight 2,84 kg) 556-1014 (standard delivery content) req.	556-1016
10,00 kg add on weight (real weight 5,00 kg) 556-1014 (standard delivery content) and 556-1016 req.	556-1017
21,60 kg add on weight (real weight 11,6 kg) 556-1014 (standard delivery content), 556-1016 and 556-1017 req.	556-1019
Die D=2,095 (Tungsten carbide)	556-1005
Go-no-go gauche for dies 2,095	556-1006
Reference material "slow" (bottle 120 g) approx. MVR 0.26 MFR 0.20 at 190°C / 2.16 Kg	556-1126
Reference material "middle" (bottle 120 g) approx. MVR 2.7 MFR 2.0 at 190°C / 2.16 Kg	556-1221
Reference material "fast" (bottle 120 g) approx. MVR 26.0 MFR 19.9 at 190°C / 2.16 Kg	556-1127
Cleaning tool for dies, D=2/L=12	556-1219
5 cleaning brushes D=9,55 for 556-1040 and 556-1063	556-1041
5000 special cleaning pads	556-1003