Rotameter kits

Laboratory kits with interchangeable 150 mm flow tubes and floats in a carrying case

The kit gives a laboratory several flow meters in one case. One frame takes any of four 150 mm flow tubes and a choice of floats, so the ranges overlap, and more tubes can be added later. Choose the aluminium, stainless steel or PTFE version to suit your medium.



3	4	45 227	30 711	150 mm
Kit versions	Flow tubes in each kit	Maximum air, mL/min: metal kits	Maximum air, mL/min: PTFE kit	Flow tube length

Performance

Flow ranges	Overlapping ranges from four flow tubes and three float materials; see the flow capacity table
Interchangeability	Tubes and floats can be exchanged in the frames supplied All 150 mm flow tubes in this range are interchangeable, so tubes can be added later
Floats installed	Glass, in all three kits

Mechanical

Tube length	150 mm
Wetted parts	Aluminium kit: Borosilicate glass, aluminium, 316 stainless steel; NBR o-rings, FKM packings Stainless steel kit: Borosilicate glass, 316 stainless steel; FKM o-rings and packings PTFE kit: Borosilicate glass, PTFE, PCTFE

What each kit contains

Assembled	Frame with the 042-29-GL flow tube and its glass float
Extra flow tubes	112-02, 102-05 and 044-40, as in the flow capacity table
Spare floats	Aluminium and stainless steel kits: stainless steel floats for tubes 042, 112 and 102 Aluminium and stainless steel kits: tantalum float for tube 044 PTFE kit: sapphire floats
Valve	High-flow valve cartridge
Tools	Tripod base, tweezers, push rod and locking tool for changing floats and tubes
Supplied with	Calibration data and a moulded plastic carrying case

Choosing a kit

Aluminium kit	For non-corrosive fluids
Stainless steel kit	For corrosive fluids
PTFE kit	For corrosive applications at lower pressure, or for high-purity service

Flow capacities of the kit tubes, mL/min

Flow tube	Glass float, air	Glass float, water	Sapphire float, air	Sapphire float, water	Steel float, air	Steel float, water
042-29	1.77–11.6	–	1–18.3	–	1.6–34	–
112-02	21–374	0.023–5.5	29–513	0.39–9.96	36–814	1.1–20.4
102-05	135–3922	2–84	198–5188	3–126	351–7825	6–217
044-40	791–23 742	15–541	1208–30 711	30–806	2182–45 227	57–1288

A dash: no water range given. Tantalum floats have no listed capacity. Steel floats are in the aluminium and stainless steel kits; the PTFE kit has sapphire floats.

Ordering codes

Order code	Kit	Spare floats
KIT-S1A-BA	Aluminium	Stainless steel and tantalum
KIT-S1S-VA	Stainless steel	Stainless steel and tantalum
KIT-T1T-TA	PTFE	Sapphire

Order from Analyt-MTC with the order code. Every kit is assembled with the 042-29-GL flow tube and includes the contents listed above.

Notes

1. Capacities are the printed ranges for each tube and float.
2. For additional 150 mm flow tubes and floats, ask Analyt-MTC, which matches them to your medium and flow range.
3. Check that the kit materials are compatible with your medium before ordering.

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