

TECHNICAL DATA SHEET

NANOLab® Total Flow Rates

Benchtop device for nanoparticle formulation process development.



TECHNICAL DATA

Configuration		P _{max} = 40 bar		TFR _{max} (mL/min)	
PIN 1 (µm)	PIN 2 (µm)	FR ₁ max* (mL/min)	FR ₂ max* (mL/min)	FRR 1:1	FRR 3:1
100	100	31	31	62	41
150	100	63	31	62	84
200	100	121	31	62	124
300	100	250	31	62	124
400	100	250	31	62	124
600	100	250	31	62	124
150	150	63	63	127	84
200	150	121	63	127	162
300	150	250	63	127	253
400	150	250	63	127	253
600	150	250	63	127	253
200	200	121	121	242	162
300	200	250	121	242	333
400	200	250	121	242	333
600	200	250	121	242	333
300	300	250	250	500	333
400	300	250	250	500	333
600	300	250	250	500	333
400	400	250	250	500	333
600	400	250	250	500	333
600	600	250	250	500	333

*Maximum flow rates within 40 bar pressure limit and ≤ 250 mL/min for NANOLab® pumps

Note: Values above based on water; max. flow rates may change with different solvents based on specific viscosities

Abbreviation(s): FR Flow rate, FRR Flow rate ratio, PIN pinhole, P_{max} Maximum pressure, TFR_{max} Maximum total flow rate

For more information, contact us:

info@leon-nanodrugs.com

leon-nanodrugs GmbH (IZB), Am Klopferspitz 19, D-82152 Planegg, Germany