# Specifications

## General

Size range:
0.1 - 3500µm*†

Maximum sample mass measured:
15g*

Dispersion pressure range:
0 - 4 bar

Pressure setting precision:
+/- 0.1 bar

Pressure setting accuracy:
+/- 0.03 bar

Feed rate range:
0 - 58ms$^{-1}$ (expressed as 0-100%)

Feed rate precision:
2% FS

Materials in contact with sample:
316 stainless
410 hardened stainless
Borosilicate glass
EPDM
PTFE
Polyurethane
Carbon filled acetal
Aluminium
Neoprene
Polycarbonate
Neodymium

Maximum particle size:
3500 µm†

Minimum time between measurements:
less than 60 sec *

Dimensions (W, D, H):
180mm x 260mm x 380mm

Weight:
10.5kg

Power Supply:
Supplied via the Mastersizer optical unit

Notes:

* Sample dependent.
† Relates to the use of the unit with the Mastersizer 3000. Upper particle size limit is 1000µm when used with the Aero M on the Mastersizer 3000E. Note: Magnetic materials cannot be measured using the funnel sample feeder as the feeder includes magnetic components