Specifications

**4SPIN C4S LAB**

Dimensions: 98 (l) x 66 (w) x 110 (h) cm
Deposition chamber dimensions: Ø 61 x 66 (h) cm
Weight: 120 kg
Power supply: 230 V – 50 Hz (standard)
Operating humidity: 20 – 40 % RH noncondensing
Shipping weight and dimensions: 220 kg, 120 (l) x 80 (w) x 150 (h) cm

**PROCESSING PARAMETERS**

- High voltage supply: 0 kV to 60 kV
- High voltage current: 0 – 999 µA
- Collector rotations: 10 – 5000 rpm (according to collector)
- Maximum solution volume: 2 x 30 ml
- Feed rate: 0 – 9999 µl/min
- Deposition time: 0 – 1400 min
- Airflow: 30 – 80 °C
- Electrode distance: 5 – 25 cm

**COLLECTORS**

- C1 STATIC CONTINUAL
- C2 STATIC PATTERNED
- C3 ROTATING CONTINUAL
- C4 ROTATING PATTERNED
- C5 TUBE COLLECTOR
- C6 ENDLESS BELT
- C7 ROTATING THIN DISC

Collecting sliding tools are available for the C2 and C4 collectors.

**EMITTERS**

- E1 SINGLE JET
- E2 MULTI JET
- E3 NEEDLELESS ROD
- E4 MULTI NEEDLELESS ROD
- E5 LINEAR MULTI NEEDLELESS
- E6 COMPOSITE DOUBLE JET
- E7 COMPOSITE NEEDLELESS
- E8 COMPOSITE MULTI NEEDLELESS
- E9 COAXIAL SINGLE JET

An electroblowing attachment is available for E1, E3 and E4. The E5 emitter has it built-in.

- Syringes: Luer Lock, male termination 3 – 30 ml, PP body
- Dosing tubes: Luer Lock, male/ female termination PVC and teflon
- Needles: Hamilton compatible 10 – 34 gauge, 51 mm

**ACCESSORIES**

- CLEANING TOOL FOR CAPILLARY NEEDLES
- COLLECTING SLIDING TOOLS (VARIOUS SIZES FOR THE C2 AND C4 COLLECTORS)
- ELECTROBLOWING ATTACHMENTS
- SWIVEL HOLDER FOR UP TO FOUR COLLECTORS AND FOUR EMITTERS
- DUAL SYRINGE CASING FOR TWO CHANNEL DOSING WITH ADAPTERS
- COLLECTOR HOLDER FOR EASY SAMPLE MANIPULATION
- PROTECTIVE PLATE PTFE 2 MM

**4SPIN TRIAL PROGRAM**

Contipro is proud to offer a one or two day trial program designed for you to experience the 4SPIN LAB in the comfort and presence of its creators. You are welcome to bring your own samples to test before you invest. Our purpose built 4SPIN demonstration laboratory is located 1.5 hours east of Prague. For further information including the T&C’s please email us at support@4spin.info.