

1 Protective Cage for the Diana 701 Multi-Plug

It is possible to fit the multi-plug of your Diana 701 with a protective cage (available as an optional accessory) to prevent accidental breakage of the **glass Pt100 temperature sensor**.

The protective cage (P/N 258805) is supplied as a single item and requires no tools or accessories for assembly.

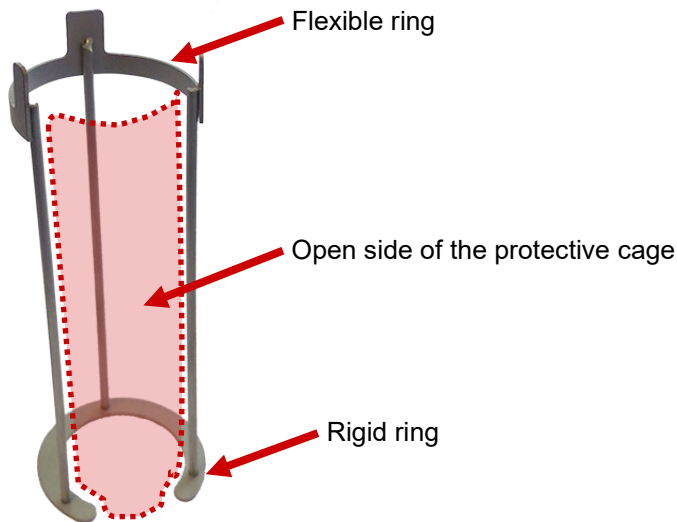


Fig. 1 Protective cage

Please note the flexible ring end and the open side of the protective cage (between the flexible ring opening and the rigid ring opening). This is important when assembling the protective cage.

NOTE:

The material used to make the protective cage is **1.4301 X5CrNi18-10**. Please check the compatibility of this material with the substances to be tested before use.

2 Protective Cage Assembly

Follow the steps below to mount the protective cage on the multi-plug. Disassembly is performed by following the same sequence of steps in reverse order.

1. Take the multi-plug out of the Diana 701 instrument and remove the snap ring if present.



Fig. 2 Multi-plug with snap ring



Fig. 3 Extraction of the snap ring

To do this, insert e.g. a small flat-bladed screwdriver between the snap ring and the multi-plug and pry the snap ring out of the multi-plug carefully so as not to damage the multi-plug.

Diana 701 – Protective Cage for Multi-Plug (P/N 258805)

2. Hold the multi-plug with one hand and, with the other hand, press the protective cage to compress the flexible ring (see Fig. 4). Then insert the flexible ring end of the protective cage into the multi-plug (see Fig. 5) taking care that the open side of the protective cage (see Fig. 1) is aligned with the connectors of the multi-plug.

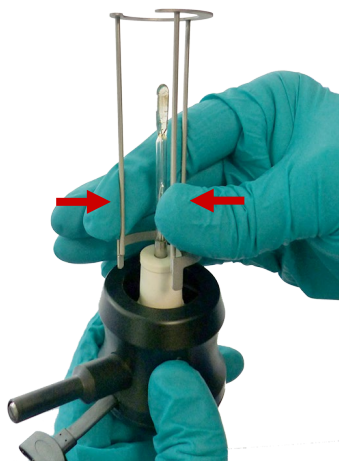


Fig. 4 Press the protective cage to compress the flexible ring

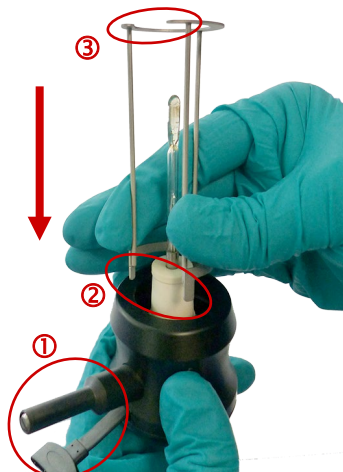


Fig. 5 Insert the protective cage.
① must be aligned with ② and ③.



Fig. 6 Protective cage mounted

3. Insert the multi-plug with the glass Pt100 and the protective cage into the flask, taking care to insert the Pt100 straight into the flask without touching the sides of the flask. Gently push the multi-plug as far as it goes into the flask.



Fig. 7 Multi-plug with protective cage inserted into the flask

The open side of the protective cage allows the flask connection arm to be aligned with the multi-plug connectors. For further details on mounting and dismounting the multi-plug, please refer to the Diana 701 Reference Guide.

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