

Stirrer Shaft Seals - For Pressure and Vacuum Applications

The Stirrer Shaft Seal has been designed to allow stirring under both pressure and vacuum conditions. The units are made for standard “quick fit” female taper fittings. All of the designs support a “Rodavis” cap set if required. A cap set consists of a “Rodavis” screw cap, taper release ring and a clamping O-ring.

The Rodavis connection comprises cone and socket as well as screw cap, safeguarding and sealing ring. The benefits are:

- Suitable for work performed under vacuum and pressure
- Can be used up to a temperature of 200 °C
- Minimum breakage risk due to anti-jamming system
- Replaceable with ground joints in accordance with DIN 12 249

The available sizes are shown in the table:

Part Number	Description
51890	B14 Standard quick fit male tapered fitting (6 mm shaft)
84480	B14 Rodavis Cap Set
83260	B19 Standard quick fit male tapered fitting (10 mm shaft)
83140	B19 Rodavis Cap Set
84330	B24 Standard quick fit male tapered fitting (10 mm shaft)
77690	B24 Rodavis Cap Set
84360	B29 Standard quick fit male tapered fitting (10 mm shaft)
77680	B29 Rodavis Cap Set

Construction is in PEEK with sealing, for pressure and vacuum, provided by an energised seals in a PTFE based compound. (For an additional cost FDA approved seals can be fitted).

Technical Note

Stirrer shafts for use with these units ***must*** have a rounded end or a chamfer of at least 1 mm to allow them to be inserted through the unit. The insertion of a square ended shaft may damage the seals and render the unit ineffective. To assist with alignment, shafts should be inserted from the tapered end of the unit.

If the use of a square ended shaft is unavoidable, e.g. a proprietary stirrer, then the shaft should be inserted by using the round ended glass rod as a guide to open up the ID of the seal and then pushing it through the seals with the shaft.

When, after time, it becomes necessary to replace worn or damaged seals, it should be noted that, on re-assembly of the unit, there will be a small gap between the edges of the body and the end cap. This is normal.