

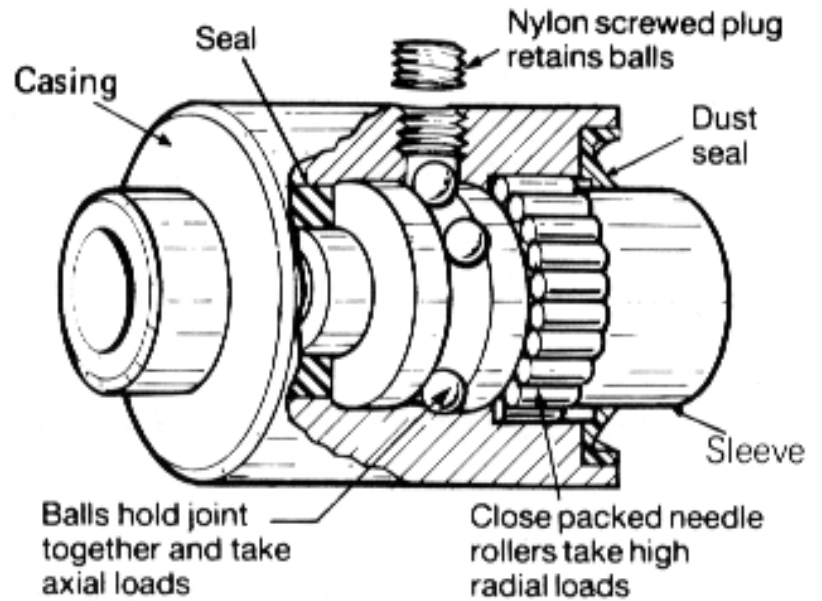


ROTAFLOW SWIVEL JOINTS

General information

The Rotaflow Swivel Joint allows pipework to rotate whilst carrying fluid under pressure. Rotaflow patented swivel joints provides 360 degree movement in one or more planes dependant on style.

The sleeve rotates within the casing, being held in place by the ball bearings. The ball bearings are loaded through a radial loading hole, this hole is then plugged to create a robust assembly. The close packed needle rollers have an exceptionally high load carrying capacity. The end fittings can be flanged, weld end, hammer lug union or threaded.



The large block seal, positioned inboard of the two bearings allows for movement with low torque. It is manufactured from various materials including PTFE for the widest possible chemical compatibility.

The joints are designed to work at pressure, and a swivel speed of up to and occasionally beyond 60 rpm. Rotaflow technical staff will advise on the suitability of the joints for temperature, pressure and operating duties.

The design is used for many process plants applications, wash system designs, slowly rotating drums and similar situations where offset loads are a problem such as:

- ⇒ loading arms
- ⇒ Rotating drums and filters
- ⇒ Fire monitors
- ⇒ Hose reels
- ⇒ Swivels to relieve torque in hoses – prolongs hose life

Please call to discuss your application.

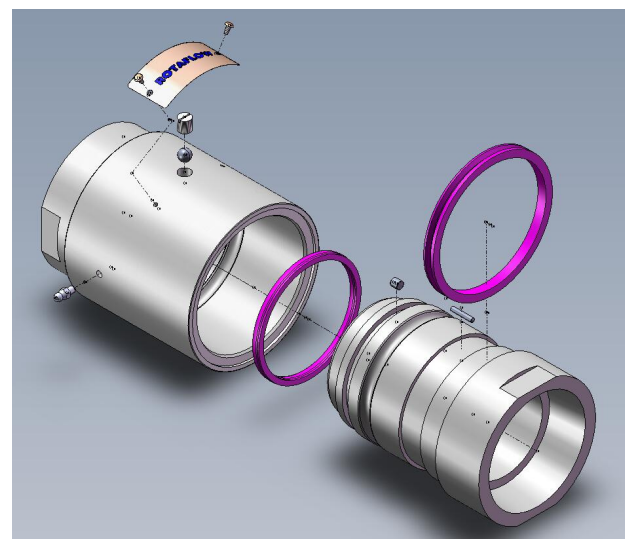
- ⇒ Pressure testing to 700 bar (10,000 PSI)
- ⇒ 3mm (1/8") to 760mm (30") nominal bore.

Beyond this we subcontract specialist services.

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ROTAFLOW FV LIMITED

Rotec House, Bingswood Trading Estate,
Whaley Bridge, High Peak, SK23 7LY.
Tel: 01663 735003 Fax: 01663 735006
E-mail: sales@rotaflow.com



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Web: www.rotaflow.com