



**DIN Compact Units for
Steel Vessels, Mixers and Agitators**

CK 725/726

DIN Compact Units For Steel Vessels Mixers And Agitators



Industry sectors

- Chemicals
- Pharmaceuticals
- Petroleum and natural gas
- Water and waste water
- Utility companies
- Food and beverage
- Power generation
- Mining

Areas of application

Vessel & agitator seals from the CK725/726 range are designed to comply with DIN 28138, and are factory tested double cartridge seal units designed for operation on steel vessels to DIN 28136, with shaft sleeve dimensions to DIN 28154. In addition to the standard

vessel/agitator seals shown in this brochure, John Crane offers gas lubricated contacting and gas lubricated non-contacting designs, in addition to special SIP/CIP arrangements suitable for the pharmaceutical and food industries, and custom designed agitator seals to suit individual user/OEM requirements.



Typical areas of operation are top driven equipment for the following applications:

- Homogenisation
- Gas introduction
- Gas dispersion
- Dispersion
- Suspending
- Heat transfer



Operating limits

Shaft diameter	40 to 160 mm
Storage pressure	Vacuum to 16 bar (depending on shaft diameter, speed, lubrication medium and materials)
Temperature	-10°C to 200°C (according to DIN 28138)
Speed	up to 570 rpm / 2 m/s (according to DIN 28161)

Sealing support systems for mechanical seals

John Crane supplies a wide range of systems for supporting and monitoring single and dual gas or fluid lubricated mechanical seals. These include thermosiphon systems, circulation systems, pumped circulation systems, piston pressure converters, and gas supply systems. Custom built models to support multiple mechanical seals can also be supplied. All vessels are produced to the 97/23/EG guidelines for pressure devices or ASME.

Two of the many systems in our extensive product range are described as examples. These systems are particularly suited for supporting CK725/726 type agitator seals.

Standard thermosiphon system, type CTS 101D

Technical data

- Volume: 8 litres
- Maximum working overpressure: 25 bar
- Category II according to PED 97/23/EG, suitable for fluid group 1 with water cooling

This system offers a complete solution with temperature and pressure display, hand pump and level switch. The system is based on a modular construction and can therefore be easily adapted to suit customer requirements.



Circulation and back feed system, type CTN 103X

Technical data

- Storage volume: 2.8 litres
- Maximum working pressure: 45 bar with air cooling

This offers a complete solution with hand pump, pressure display and alarm switch. The system can operate self-sufficiently without outside energy supply and therefore without supply pipes.

**Europe**

Slough, UK

Tel: 44-1753-224000

Fax: 44-1753-224224

Latin America

São Paulo, Brazil

Tel: 55-11-3371-2500

Fax: 55-11-3371-2599

Middle East, Africa, Asia

Dubai, United Arab Emirates

Tel: 971-4-8839510

Fax: 971-4-8839550

24hr Emergency number:
971-5-07243655**North America**

Morton Grove, Illinois USA

1-800-SEALING

Tel: 1-847-967-2400

Fax: 1-847-967-3915

For your nearest John Crane facility, please contact one of the locations above.

If the products featured will be used in a potentially dangerous and/or hazardous process, your John Crane representative should be consulted prior to their selection and use. In the interest of continuous development, John Crane Companies reserve the right to alter designs and specifications without prior notice. It is dangerous to smoke while handling products made from PTFE. Old and new PTFE products must not be incinerated.

©2001 John Crane Print 04/05

www.johncrane.com

ISO 9001, ISO 14001, ISO/TS 16949 Certified. Details available on request

B-CK725/726/Eng