

CK 725/726



DIN Compact Units for Steel Vessels, Mixers and Agitators

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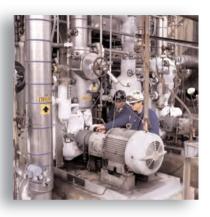


Industry sectors

- 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) -10°C to 200°C (according to DIN 28138) up to 570 rpm / 2 m/s (according to DIN 28161)

Temperature Speed

DIN Compact Units CK 725/726 For Steel Vessels To DIN 28136

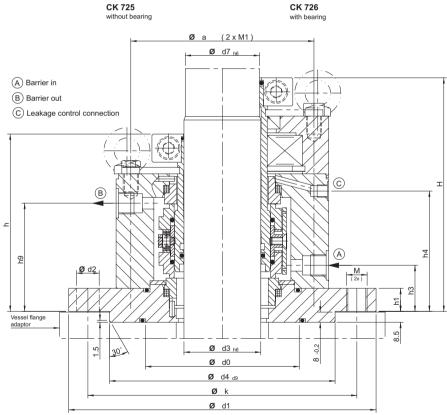


Materials available

Standard-material	EN-Symbol	Optional	EN-Symbol
Carbon Resin impregnated (171)	В	Silicon carbide (277)	Q1
Chromium cast (287)	S	Silicon carbide (277)	Q1
Fluorocarbon	V	Ethylene propylene elastomer (135)	E
elastomer (134)		Perfluoroelastomer	K1
CrNiMo steel (001)	G	elastomer (394)	
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* For dry running mechanical seals with N subscribe 2 seal gas, use special carbon (646, EN symbol B3). Additional materials are available on request

Dimensions



Shaft Diamete	r			Fixi	ng Positio	ns										Conne	ections		
d3	d0	d1	k	No.	Size	d2	d4	d7	h	н	h1	h3	h4	h9	а	A u. B	с	м	M1
40	91	175	145	4	M16	18	110	38	131.5	169.5	13	33	91	80	126	G 3/8	G 1/8	M16	M12
50	107	240	210	8	M16	18	176	48	132.5	175.5	16	35	93	80	136	G 3/8	G 1/8	M16	M12
60	120	240	210	8	M16	18	176	58	144	187	18	36	94	84	143	G 3/8	G 1/8	M16	M12
80	149	275	240	8	M20	22	204	78	153	200	19	44	98	83	178/176	G 1/2	G 1/8	M20	M16
100	174	305	270	8	M20	22	234	98	164	210	21	41	111	94	206	G 1/2	G 1/8	M20	M16
125	199	330	295	8	M20	22	260	120	175	235	20	40	115	100	232	G 1/2	G 1/8	M20	M20
140	218	395	350	12	M20	22	313	135	257	277	30	53	171	152	270	G 1/2	G 1/8	M20	M20
160	237	395	350	12	M20	22	313	150	271.5	281.5	25	55	168	148	274	G 1/2	G 1/8	M20	M20

Dimensions to DIN 28 138 Part 1 & 3

DIN Compact Units CK 725/726 For Steel Vessels To DIN 28136

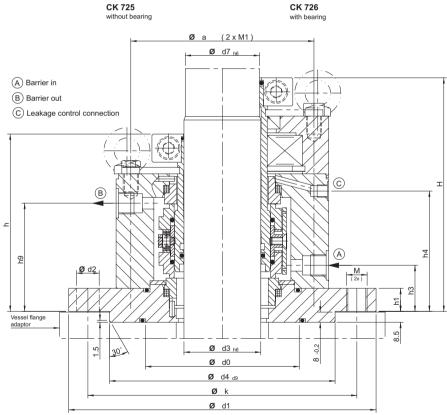


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d3	d0	d1	k	No.	Size	d2	d4	d7	h	н	h1	h3	h4	h9	а	A u. B	с	м	M1
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Dimensions to DIN 28 138 Part 1 & 3

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.



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

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