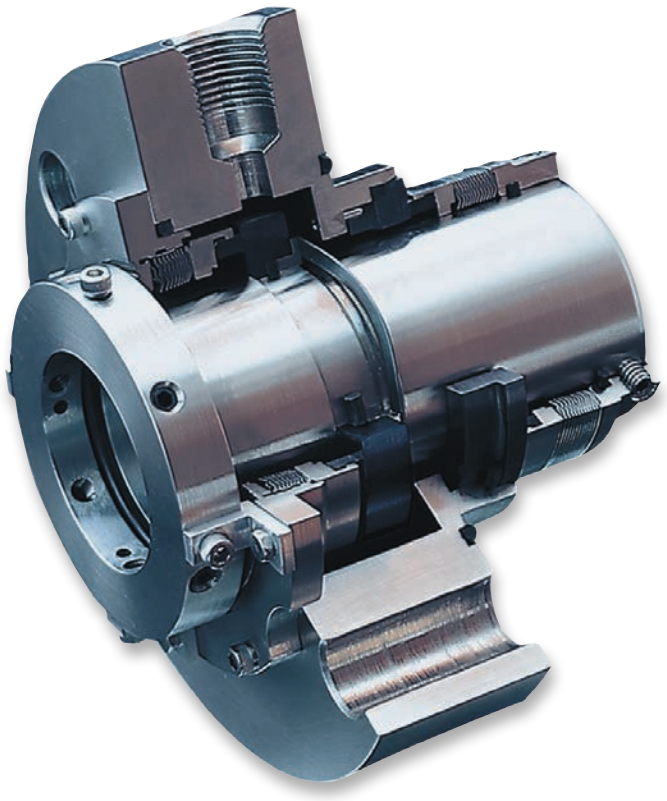
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# ECS™ DRY-RUNNING SEAL

## FOR SAFE EMISSION CONTAINMENT



## DESIGN BENEFITS

- Dry-running design
- Cost-effective alternative to dual seals with liquid barrier systems
- Accommodates both high and low temperature applications

## PRODUCT DESCRIPTION

Increased safety and environmental regulations within the process industry means that safe, secure and reliable solutions are needed more than ever. At John Crane we are committed to providing you with the answers you need in order to ensure reliable and efficient application performance. Our Emission Containment Seal (ECS) safeguards your equipment, by successfully controlling emissions in volatile hazardous air pollutants and volatile organic compounds.

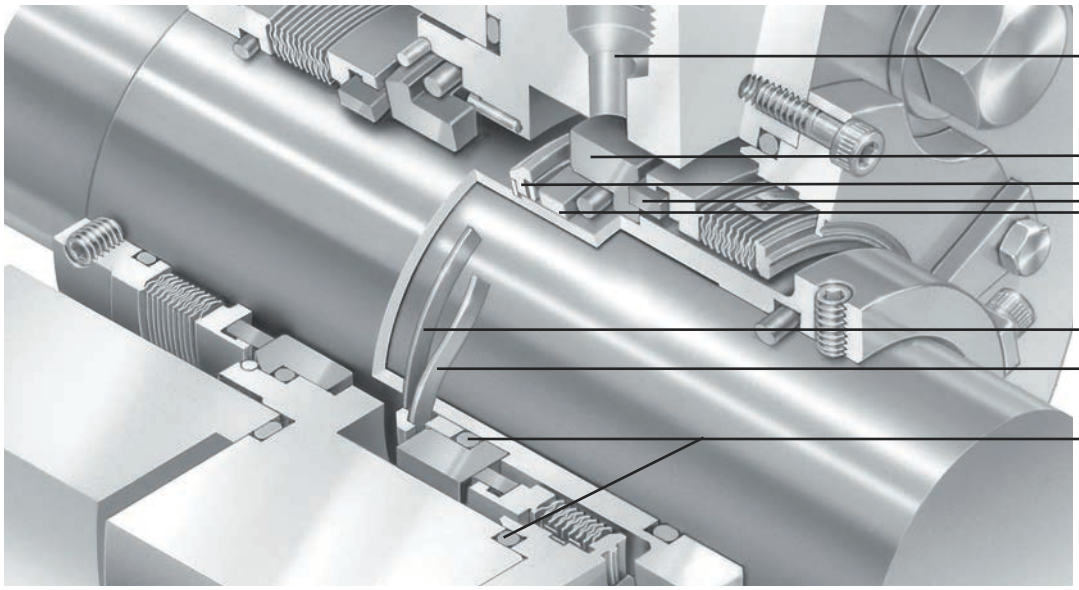
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# ECS™ DRY-RUNNING SEAL

## FOR SAFE EMISSION CONTAINMENT




**The ECS is available in both low and high temperature designs to suit applications in gasoline, gas oils and heat-transfer fluid and is an effective solution to meeting emission requirements in flashing hydrocarbon services, where the specific gravity is less than .600. As a result of its dry-running design, it provides a reliable and economical alternative to dual seals with liquid barrier systems, resulting in reduced long term maintenance costs, extended seal life and increased safety and environmental standards.**

## PERFORMANCE CAPABILITIES

| Containment Pressure | Cavity Pressure | Speed Limits | Temperature Limits |
|---|---|---|---|
| 450 psi(g)/31 bar(g) | 15 psi(g)/1 bar(g) | 10000 fpm/50 m/s | For low temp. design 400˚F/204˚C<br>For high temp. design 800˚F/425˚C |

**Together, we will work with you to keep your mission-critical operations up and running, with support and guidance from our experienced team.**

john crane


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Fax: 65-6518-1803



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. ISO 9001 and ISO 14001 Certified, details available on request.

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