

HIGH-PERFORMANCE, LOW-EMISSION PUSHER SEALS



DESIGN BENEFITS

- Low-emission seal face design
- Pumping ring for optimized flow
- Reverse-pressure capable
- API 682 compliant

PRODUCT DESCRIPTION

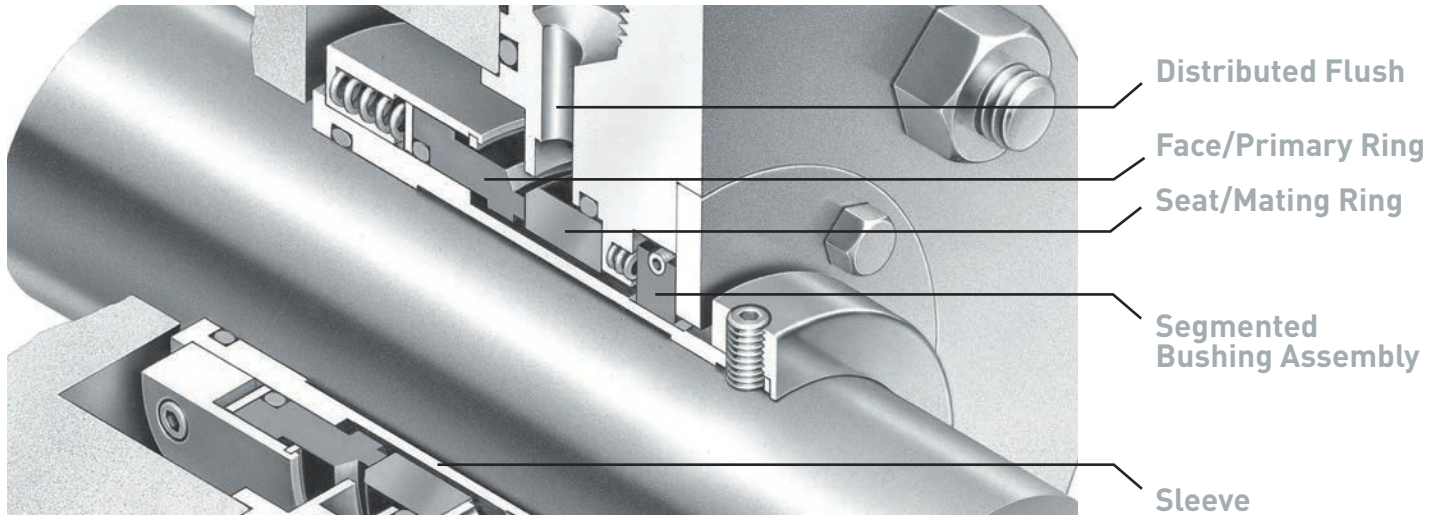
Working with hazardous materials can put at risk not only your people, but your operations and the environment. Our high-performance, low-emission pusher seals ensure the safety of your people and the reliability of your operation by minimizing leakage and reducing maintenance time. Together, we can build a solution to provide maximum containment of hazardous ensuring optimal safety conditions and reliable operation.



Your Name
Is How We Make Ours

TYPE 1648, 2648 AND 3648

HIGH-PERFORMANCE, LOW-EMISSION PUSHER SEALS



Seal Type API 682 Type A, Category 2 and 3	Arrangement	Seal Type	API 610 Pumps Fits API 682 Table 1 and 2 Seal Chambers	Dry-Running and Gas Lubricated Secondary Containment Seals Available	Bushing and Flush Options
1648	1	Single	X		X
2648	2	Dual un-pressurized	X	X	
3648	3	Dual pressurized	X	X	

PERFORMANCE CAPABILITIES

Pressure Limits	Speed Limits	Temperature Limits	Size Limits
Up to 1000 psi(g)/69 bar(g)	Up to 5000 fpm/25 m/s	-40°F to 500°F/-40°C to 260°C	1"/25mm to 4.5"/120mm

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



North America
United States of America
Tel: 1-847-967-2400
Fax: 1-847-967-3915

Europe
United Kingdom
Tel: 44-1753-224000
Fax: 44-1753-224224

Latin America
Brazil
Tel: 55-11-3371-2500
Fax: 55-11-3371-2599

Middle East & Africa
United Arab Emirates
Tel: 971-481-27800
Fax: 971-488-62830

Asia Pacific
Singapore
Tel: 65-6518-1800
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.