

FOR SLURRY SEALING



DESIGN BENEFITS

- Interchangeable key parts
- Hydraulically-balanced running face design
- Premium materials for demanding applications

PRODUCT DESCRIPTION

Problems common to sealing slurry process fluids, such as excessive face wear, atmosphere build-up of solids, and lack of flush water seal support, cost you time and money. John Crane slurry seals tackle volume and abrasive environments, providing options that will ensure optimum machine performance and reduce your total cost of ownership.

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- Primary ring
- Mating ring
- U-cup
- V-ring
- Quench seal
- Drive disc

In these premium-material designs, the seal face provides maximum stability and minimum heat generation under adverse conditions, optimizing performance with maximum seal face life and lubrication, outperforming conventional materials.

Seal Type	Arrangement	Applications	Pressure	Temperature	Speed	Size	Clog-resistant	Flush required
5840	Single	General mining	300 psi(g)/ 21 bar(g)	w/o quench 167°F/75°C, with quench 248°F/120°C	50 fps/ 15 m/s	1.378" to 8.661"/ 35mm to 220mm	X	X
5860	Single/Dual	Harsh abrasive slurry environments	360 psi(g)/ 25 bar(g)	w/o quench 180°F/80°C, with quench 400°F/200°C	65 fps/ 20 m/s	1.125" to 9.250"/ 28mm to 235mm	X	
5870	Single	All paper stock consistencies and light slurry applications	300 psi(g)/ 21 bar(g)	-40°F to 300°F/ -40°C to 150°C	36 fps/ 11 m/s	1.375" to 4.312"/ 35mm to 106mm	X	

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



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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.