SAFEMATIC™ Seal Water Control and Monitoring System

Safeunit
Changes in the pre-set system values for flow and pressure will indicate any possible problems in seals and system well in advance. For automatic control, alarm sensors can be used. Safeunit system also detects seal water leakage in the process resulting in extra heating and evaporation costs or expensive quality problems such as dilution.
SAFEMATIC Safeunit

User Friendly, Compact Unit

- Controls and monitors seal water flow and pressure
- Predicts seal and packing failures
- Reduces and pre-determines maximum seal water consumption
- Can be cleaned with equipment running. Alarm will not go off with the new improved push-clean button
- Simplifies pump setup and service

- Detects and locates seal water line problems
- Flow indicator and pressure gauge with memory pin
- Unique non-clog valves
- Available with optional electrical alarms and LCS-leakage control system
- Freeze resistant material is also available

Max. temperature 140°F/60°C
Max. pressure 360 psi(g)/25 bar(g). All rights reserved.
Mechanical Sealing Systems

Safeunit Options

Safeunit type:
▪ Type SFP
▪ Type SFQ
▪ Type SFD

Flow:
Standard Material:  
▪ 0.75 gpm (3 l/min)
▪ 2 gpm (8 l/min)
▪ 4 gpm (15 l/min)

Freeze Resistant Material:  
▪ 0.75 gpm (3 l/min)
▪ 2 gpm (8 l/min)
▪ 4 gpm (15 l/min)

Pressure area:  
▪ 87 psi(g)/6 bar(g)
▪ 150 psi(g)/10 bar(g)
▪ 232 psi(g)/16 bar(g)
▪ 360 psi(g)/25 bar(g)

Complete hose assembly:  
▪ Yes

Seal connections:  
▪ NPT 1/8 1/4 3/8
▪ R 1/2 Other

Mounting:  
▪ Bracket
▪ Stand

Alarm:  
▪ AC-1 (20-250 VAC/DC)
▪ DC-1 (10-36 VDC)
▪ EX-1

Packing or single Seal Flush  
Type SFP

Quench Seal  
Type SFQ

Double Mechanical Seal  
Type SFD

SAFEMATIC™ is a registered trademark of John Crane

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

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Middle East & Africa
United Arab Emirates
Tel: 971-481-27800
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Asia Pacific
Singapore
Tel: 65-6518-1800
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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.

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