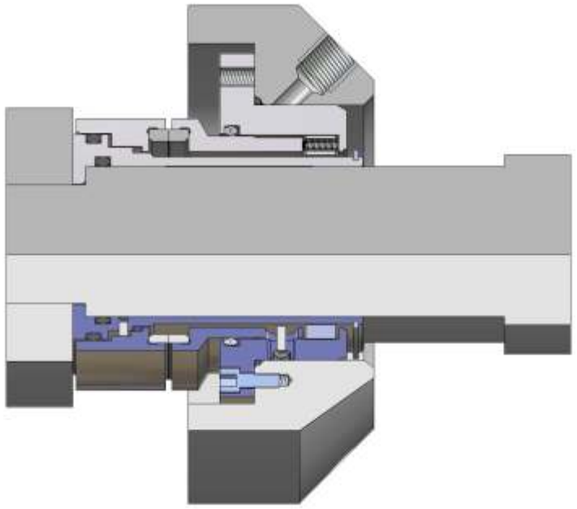
Type JCS1 for Andritz Pumps

- Balanced design
- A patented thermal method is used to fasten the seal faces ensuring correct distortion free face
- No drive pins at seal faces
- Floating seat ring design
- Product outside the seal faces
- Open seal area
- Stationary springs and o-ring
- Flexible structure
- Protected seal faces

Type JCS1



Material selection for elastomers
- EPDM
- FKM
- PTFE
- Others as an option

Seal Water Connections
- No

Seal and seat ring selection
- C/SiC, used for pure liquids
- SiC/SiC pH range 0-14
- SiC is used for abrasive and chemically aggressive products

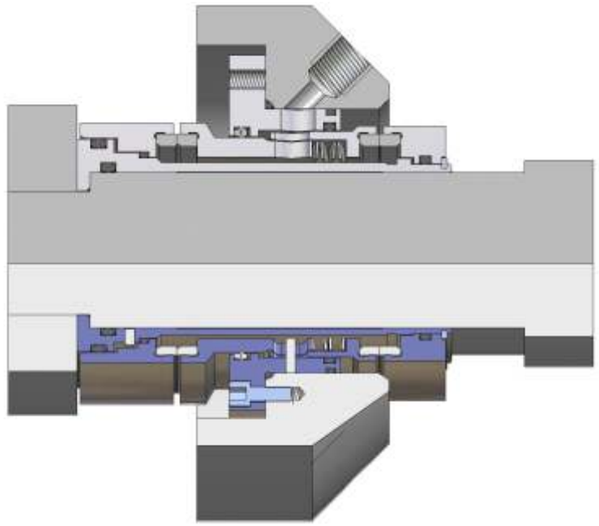
Material selection for metal parts
- SS 2343/2324
- Avesta 654 SMO
- SS 2328 (SAF2507)
- Others as an options

Technical specifications
- Stuffing box pressure max. 16 bar (224 psi)
- Speed max. 20 m/s (65 ft/s)
- Temperature max. 120 ºC (250 ºF)

Type JCS2 for Andritz Pumps

- A patented thermal method is used to fasten the seal faces ensuring correct, distortion-free face
- No drive pins at seal faces
- Open seal area
- The piston design permits free axial movement
- Spring is located in the stationary body of the seal
- Protected seal faces
- Product outside the seal faces
- Flexible structure

Type JCS2



Material selection for elastomers
- EPDM
- FKM
- PTFE
- Others as an option

Seal Water Connections
- Connections in the pump back plate

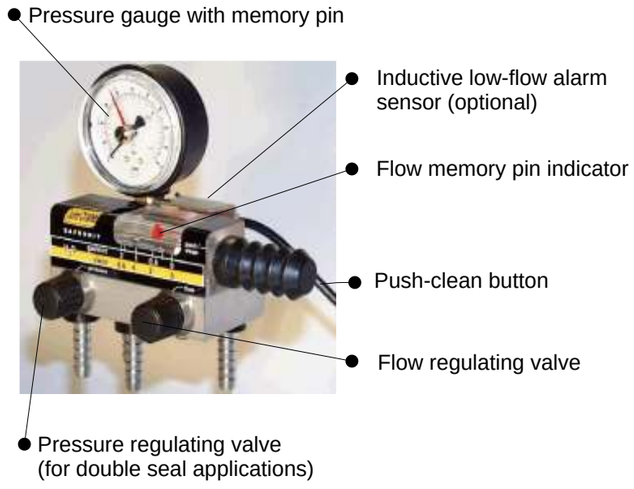
Seal ring and seat ring selection
- SiC/ SiC process side
- SIC/ SiC ATM side

Material selection for metal parts
- SS 2343/2324
- SS2562 (UHB 904L)
- Avesta 254 SMO
- SS 2328 (SAF2507)
- Avesta 654 SMO
- Titanium
- Others as an options

Technical specifications
- Stuffing box pressure max. 25 bar (350 psi)
- Seal water pressure max. 15 bar (215 psi)
- Speed max. 20 m/s (65 ft/s)

ONE SINGLE COMPACT UNIT

- Controls and monitors seal water flow and pressure.
- Detects internal seal leakage and packing wear.
- Reduces and pre determines maximum seal water consumption.
- Can back flush and clean with equipment running.
- Simplifies pump setup.
- Greatly reduces multi-component installation cost.
- Flow indicator and pressure gauge with memory pin.
- Unique non-clog valves
- Available with optional electrical arms.



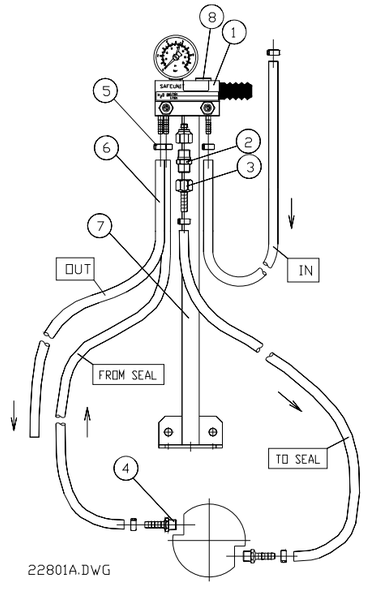
SAFEUNIT SFD-C-08-10-R3/8/S/AC-1

BILL OF MATERIAL

1. Flowmeter	1 pc
2. Back valve	1 pc
3. Hose coupling	1 pc
4. Hose coupling	2 pcs
5. Hose clamp	7 pcs
6. Hose (inside diameter 3/8", 10 mm)	4 pcs
7. Stand	1 pc
8. Alarm device	1 pc (option) *

* Alarm device type: AC-1, DC-1

- Flow 0-8 l/min
- Pressure max 10 bar



Mechanical Sealing Systems

Type JCS seal identification System

E.g. **JCS2** **50** **QRMQ** **307645**
$X_1X_2X_3X_4$
1 2 3 4

1 Type of seal: JCS1 = single seal
JCS2 = double seal

2 Shaft diameter: (mm)

3 Material codes:

X_1	**X_2**	**X_3**	**X_4**
Q=SiC/SiC G=SiC/carbon	R=EN 1.4436/1.4460 (SS 2343/2324) (AISI 316/329)	M=PTFE E=EPDM V=Viton® X=other	Q=SiC/SiC G=SiC/carbon O=single seal

4 Assembly drawing number

John Crane has a comprehensive network of highly trained representatives, distributors, and installation and maintenance personnel. Contact your local John Crane sales office for more information.

Europe
Slough, UK
Tel: 44-1753-224000
Fax: 44-1753-224224

Latin America
São Paulo, Brazil
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Fax: 55-11-3371-2599

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Dubai, United Arab Emirates
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Sealing Solutions for Andritz pumps

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