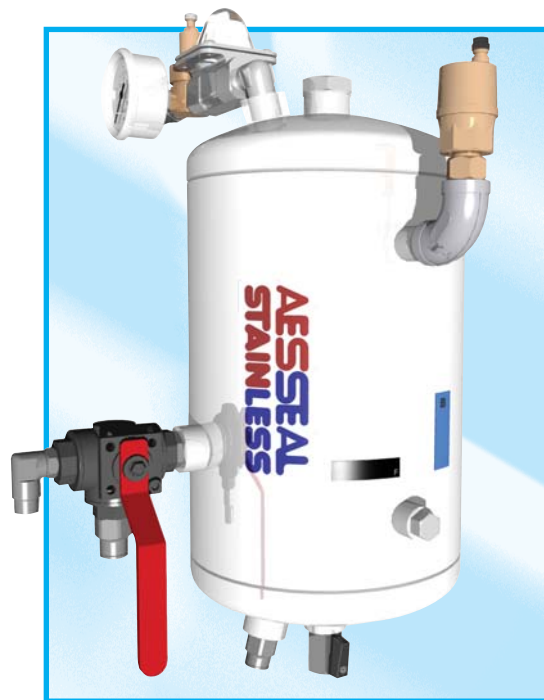




ENVIRONMENTAL TECHNOLOGY

# SSE10-W™ WATER MANAGEMENT SYSTEMS



## FEATURES

## BENEFITS

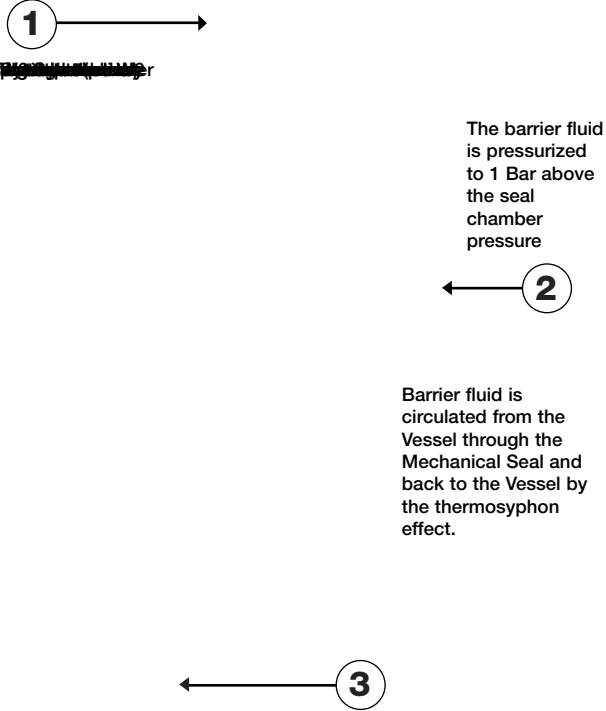
- |                                   |  |
|-----------------------------------|--|
| <b>304 SS VESSEL CONSTRUCTION</b> | • <b>SUITABLE FOR A RANGE OF CHALLENGING ENVIRONMENTS</b>  |
| <b>WATER REGULATOR</b>            | • <b>MAINTAINS VESSEL WATER LEVEL AND PRESSURE</b>   |
| <b>FLOW INDICATOR</b>             | • <b>VISUALLY ALERTS THE USER OF AN INBOARD SEAL FAILURE</b>   |
| <b>NON-RETURN VALVE</b>           | • <b>PROTECTS PLANT WATER SUPPLY FROM CONTAMINATION, AND MAINTAINS VESSEL PRESSURE IN THE EVENT OF SUPPLY INTERRUPTION</b> |



The AESSEAL® SSE10-W™ and SSE25-W™ vessels are used as the core of a modular Water Management System range (W1-W4). The environmentally friendly W Systems range have significantly contributed to the global drive for water conservation, saving industry over 3 billion gallons of water per year. This Systems range starts with the W1, which is a non-pressurized API plan 52 Buffer System used to provide cooling to mechanical seal faces. The W1-W4 are all piped as API plan 53 Water Management Systems. The W2 and W3 are the most commonly used Systems. The W2 is the standard offering while the W3 is designed for high heat dump requirements. The W4 is a highly instrumented package for more challenging applications. All vessels are designed and manufactured in accordance with PED and ASME VIII Div.1 requirements.

## SPECIFICATIONS

### W2 Operating Principle



### Standard Offering:

#### Vessel:

- Construction: 304 Stainless Steel
- Pressure Limit: 16 Bar (230 psi)
- Temperature Limit: 100 °C (212 °F)
- Capacity: 10 litres (2.64 US Gallons), (25 litres (6.60 US gallons) option)
- Connections: 1/2" NPT for seal feed and return hoses\*
- Finish: Satin bead blast
- Designed to ASME VIII Div.1 and compliant with European PED
- Finish: White Powder Coat

#### System (W2):

- Flow Indicator: SS
- Air Vent Valve: Brass
- 12mm (1/2") Hose Kit
- Ball Valve (Drain): Nickel Plated Brass
- Water Supply Regulator: Brass (SS option available)
- Pressure Gauge: Brass (SS option available)
- 3-way valve: Brass (SS option available)

#### Optional Extras:

- Pressure Gauge: Brass/SS options
- Cooling Coil
- Finned Tubing
- Pressure Switch: Explosion Proof and Intrinsically Safe options
- Level Switch: Explosion Proof and Intrinsically Safe options
- SS Braided flexible hose
- In line water filter

\* all finished W Systems come complete with Brass Fittings.

The Pressure Systems are most commonly used with these seals:



DMSF™

CDSA™



SWFF-TF™  
(Incorporates the Flow Fuse and Thermal Fuse)



INVESTOR IN PEOPLE

**WARNING**