



ENVIRONMENTAL TECHNOLOGY

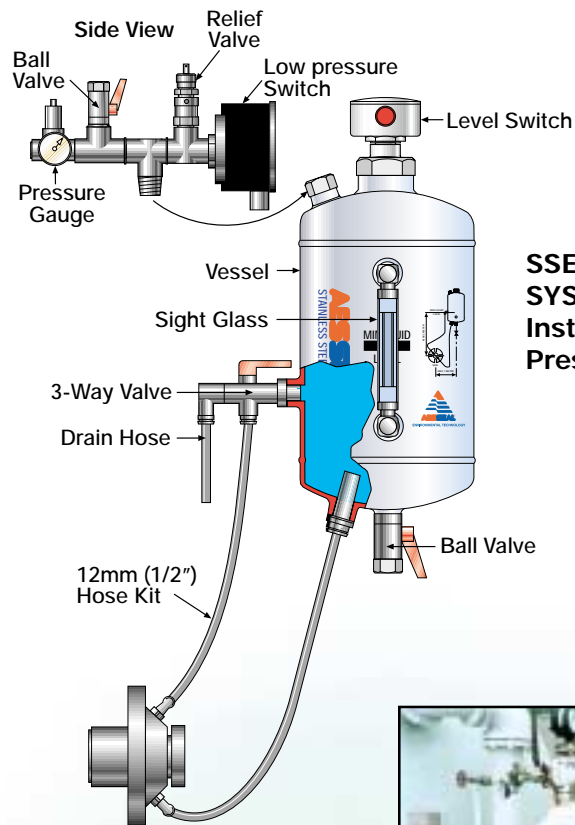
## SSE10™ & SSE25™ THERMOSYPHON & WATER MANAGEMENT SYSTEMS



- PROTECTS MECHANICAL SEALS
- ELIMINATES WATER CONSUMPTION
- REDUCES EFFLUENT COSTS
- MINIMIZES PRODUCT EMISSIONS
- ELIMINATES DRY RUNNING
- PREVENTS CROSS CONTAMINATION BETWEEN SEALS

## SSE10™ & SSE25™ - System Range

The AESSEAL® SSE10™ and SSE25™ range of systems have over the years proven to be a highly successful, reliable and cost effective solution in the support of double mechanical seals in a wide range of industries, including food processing, brewing, power generation and pulp & paper manufacturing. The new generation of vessels now offer another wide range of modular solutions to deal with the heat and pressure requirements of an ever expanding range of applications.



**SSE10™  
SYSTEM P5  
Instrumented  
Pressure System**



**SSM10™ Option  
(Bead Blasted Finish)**



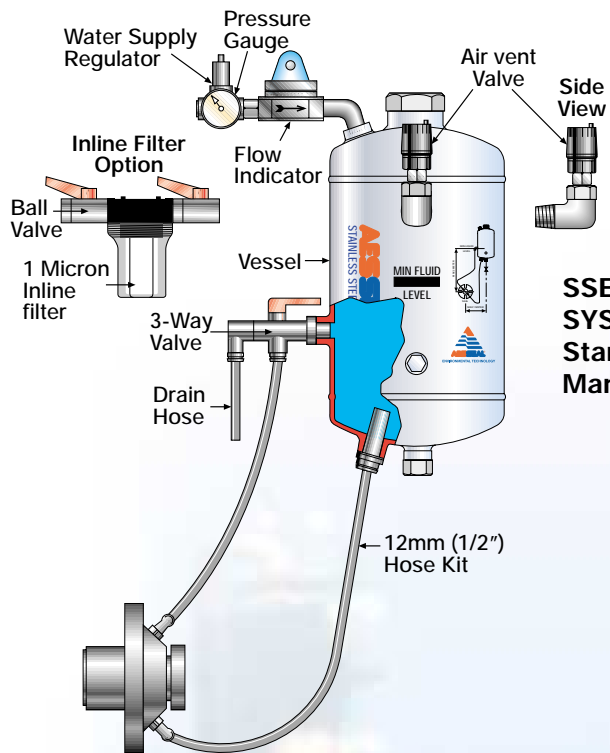
**General Installation W2**

## SSE10™ & SSE25™ - System Features

- 10 litre (2.64 US Galls) or 25 litre (6.60 US Galls) compact capacity
- 304 stainless steel construction to ASME VIII Div 1, 1995 / BS5500 CAT III, 1997
- Maximum working pressure 16 barg @ 100°C (232 psig @ 212°F). Tested to 24 barg (348 psig)
- All systems are shipped complete and fully pressure tested
- 1" NPT port for top entry level gauge
- Current and peak temperature strips fitted as standard
- Minimum fluid level indicator
- Sediment pipe on feed port prevents contamination going through the seal
- Integral mounting bracket
- High quality powder coat finish
- Bead blasted satin finish available on request
- Internal cooling coil available to order on SSE10™



General Installation System P2



**SSE10™  
SYSTEM W2  
Standard Water  
Management System**

SSE25™ Vessel



## System Benefits

- Supports double seals even when plant water fails
- Eliminates water consumption
- Automatic warning should internal seal fail
- Prevents cross contamination between seals
- Eliminates dry running
- Minimizes product emissions
- Reduces effluent cost
- Patent Pending air relief system to prevent over pressurisation
- Low cost with high specification
- Ex-stock availability of both European and American models

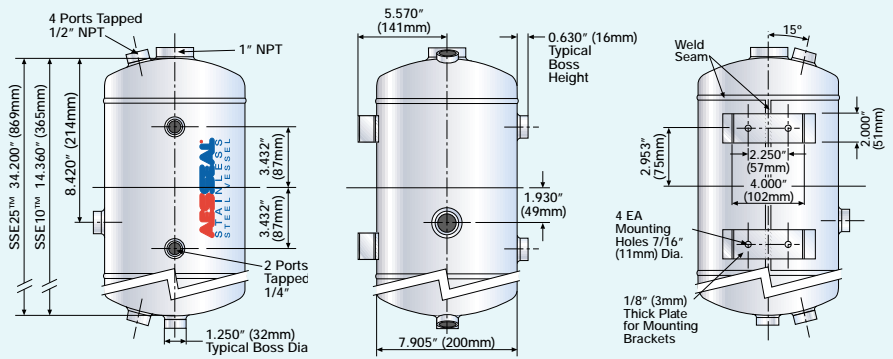
# SSE10™ & SSE25™ Specification

## SSE10™ / SSE25™ Vessels

All 304 S/S welded construction to ASME VIII Div 1, 1995 / BS5500 CAT III 1997 Type approval.

10 litres (2.64 gallons US) and 25 Litres (6.60 gallons US) nominal capacity with 7 Litres (1.8 gallons US) and 22 Litres (5.8 gallons US) to nominal working level for gas pressurised systems respectively.

Maximum working pressure 16 barg at 100°C (232 psig at 212°F); each vessel pressure tested to 24 barg (348 psig), certificate available on request.

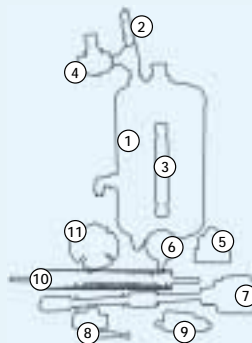


## System Selection Software

An application specific software package is now available from your representative. This allows site running conditions to be entered and a suitable system solution recommended.

A range of pre-assembled systems is available to cover most applications. These include all required components, fittings and pipework. See your distributor or sales representative for details.

## Key:



1. SSE10™ Vessel
2. Safety Valve
3. Sight Gauge
4. Pressure Regulator & Gauge
5. Flow Indicator
6. S/S Pressure Gauge
7. Level Switch
8. 3 Way Valve
9. Vapor Vent
10. Finned Tube
11. Double Mechanical Seal



### BARRIER & BUFFER FLUID SYSTEMS FOR USE WITH DOUBLE MECHANICAL SEALS

AESSEAL® supplies an extensive range of barrier and buffer fluid systems for use with double mechanical seals. Wherever possible AESSEAL® prefers to supply both the seal and the system. In addition the company will suggest suitable barrier or buffer fluids for most applications, based on extensive field experience.

AESSEAL® accepts no responsibility for any problems associated with system design, installation, operation, or the use of an unsuitable barrier or buffer fluid, where the fluid, seal or any part of the system have not been specified and/or supplied by AESSEAL®

THIS DOCUMENT IS DESIGNED TO PROVIDE DIMENSIONAL INFORMATION AND AN INDICATION OF AVAILABILITY. FOR FURTHER INFORMATION AND SAFE OPERATING LIMITS CONTACT OUR TECHNICAL SPECIALISTS AT THE LOCATIONS BELOW.

WINNER OF THE  
NATWEST  
SUNDAY TIMES  
COMPANY OF  
TOMORROW  
AWARD



INVESTOR IN PEOPLE

USE DOUBLE MECHANICAL SEALS  
WITH HAZARDOUS PRODUCTS.  
ALWAYS TAKE SAFETY  
PRECAUTIONS:

- GUARD YOUR EQUIPMENT
- WEAR PROTECTIVE CLOTHING



WARNING

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