

RELY ON EXCELLENCE

## LS050 (Plan 65)

Seal Supply Systems | Leakage control systems



### Advantages

- Innovative design: orifice and overflow pipe integrated in the vessel
- No need for extra pipe work for the overflow pipe
- Low space requirements because of compact design
- Integrated level monitoring for reliable operation

### Standards and approvals

- PED 2014/68/EU (Design and production in accordance with EU Pressure Equipment Directive)
- ASME VIII, Div. 1 (Design, calculation and production)

### Recommended applications

- Refining technology
- Oil and gas industry
- Petrochemical industry
- Chemical industry

### Features

The EagleBurgmann leakage control systems of the LS050 range in accordance with API Plan 65 consist of a leakage collection tank with integrated orifice and overflow pipe along with two shut-off valves. The level can be monitored with the a level switch.

Circulation in accordance with API 682 / ISO 21049: Plan 65

### Functional description

The LS050 leakage control system in accordance with API Plan 65 is used to discharge leakage from single seals. The outboard leakage is collected in an external tank; the leakage volume is monitored (level in the tank).

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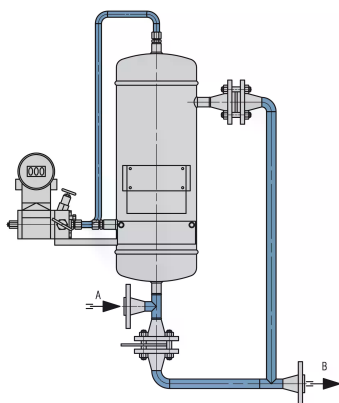
### Installation, details, options

#### Product variants

Designation	LS050/M004-DO	LS050/M006-DO	LSA6000A4	LSB6000A4
Design code	PED 2014/68/EU	PED 2014/68/EU	PED 2014/68/EU / ASME VIII, Div. 1	PED 2014/68/EU / ASME VIII, Div. 1
Volume, vessel (liters)	3	3	4	4
Allowable pressure)	50 bar(725 PSI)	50 bar(725 PSI)	44 bar(638 PSI)	44 bar(638 PSI)
Allowable temperature)	0 °C ... +80 °C(+32 °F ... +176 °F)	0 °C ... +80 °C(+32 °F ... +176 °F)	-20 °C ... +120 °C(-4 °F ... +248 °F)	-20 °C ... +120 °C(-4 °F ... +248 °F)
Metal parts	1.4571	1.4571	316/316L	316/316L
Process connections	1/2" NPT	Flange 1/2"	Flange 3/4", 600 lb	Flange 3/4", 600 lb
Level monitoring	LSH	LSH	Differential Pressure Transmitter (PDIT)	Differential Pressure Transmitter (PDIT)
API 682 3rd edition	Plan 65	Plan 65		
API 682 4th edition			Plan 65A	Plan 65A

Other versions on request.

1) Design data, permissible working values depend on the actual conditions of service.

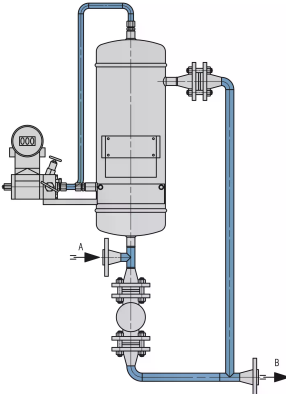


#### LSA6000A4

Product variant according to API 682 4th edition, Plan 65A

A From mechanical seal  
B To leakage collection system

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**LSB6000A4**  
Product variant according to API 682 4th edition, Plan 65B

A From mechanical seal  
B To collection system