

Dual seal barrier fluid system

The 682-53B seal system is Flowserve's most popular solution for dual mechanical seal barrier fluid systems. Designed to meet the rigorous demands of the oil and gas, refinery and petrochemical industries, it is optimized for value and reliability. Also, it can be assembled regionally with shorter lead times.

Designed with our customers in mind

This rugged unit is fully compliant with API 682 (4th edition) specifications. It utilizes a bladder accumulator to supply pressurized barrier fluid to dual mechanical seals without the need for an external pressurizing source. It is ideal for high-pressure and remote services.

Butt-welded piping with Class 600 flanges comes standard, while componentry preferred by Flowserve ensures maximum reliability and value. Pre-engineered optional packages offer application versatility with reduced costs and lead times.

Standard features include:

- Butt-welded piping
- Class 600 flanged connections
- Large 35 L (10 gallon) bladder accumulator with carbon steel shell and high-duty offshore paint (optional 316 stainless steel shell available)
- Stainless steel stand with multiple seal cooler mounting heights
- Fixed-alarm strategy
- Sunshades included as standard
- Optional instrumentation trim packages

Custom Plan 53B units

The 682-53B seal system can save you thousands of dollars and reduce lead times by 12 weeks or more, but its standardized components may not meet your preferences. Should that occur, Flowserve still provides fully customized Plan 53B systems to your particular specifications.



Flowserve 682-53B seal support system with 682H Seal Cooler

Model numbers

Example:	Model	Accumulator	Certifications	Cooler Model	Connections	Trim Package	Options Package	Pump Height
53BC0AF06G0100L	53B	C	0	A	F06	G01	00	L
53BS0AF06G0100H	53B	S	0	A	F06	G01	00	H

Model: 53B
Accumulator: C (Carbon steel/Buna), S (316/Buna)
Certifications: 0 (U-Stamp accumulator) 1 (PED), 2 (U-Stamp accumulator and seal cooler)
Cooler Model: A (682H)
Connections: F06 (Cl 600 RFBW)
Trim Package: G01 (Global)
Options Package: 00 (No options)
Pump Centerline: L (low), M (medium), H (high)

For more information, please contact your local Flowserve representative.

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