682R

API 682-compliant seal reservoir

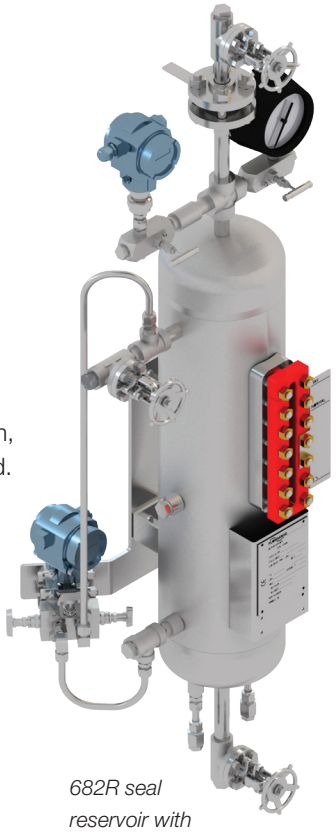
Dual seal barrier fluid reservoir

Designed for piping plans 52 and 53A, the 682R series buffer/barrier fluid reservoir provides an ideal supply of clean, cool and reliable working fluid to maximize dual mechanical seal life and reliability.

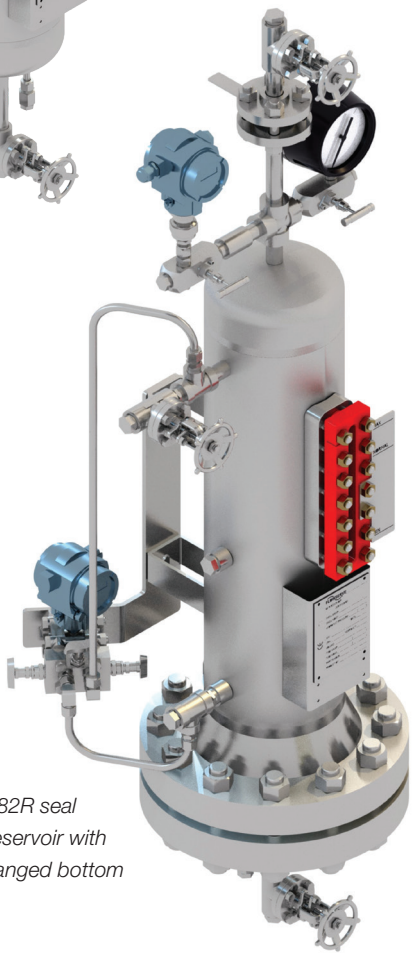
The Flowserve 682R seal reservoir is compliant with API 682 4th Edition and designed to provide the quickest delivery and most competitive pricing while offering a wide range of popular options. Pre-configured options include elliptical or flanged bottom, pressure and level transmitters or switches, hand pump and stand.

Engineered for reliability and versatility

- Covers a wide operating range with a maximum allowable working pressure (MAWP) of 70.7 bar (1,025 psi) at -40°C to 204°C (-40°F to 400°F), with a Minimum Design Metal Temperature (MDMT) of -45.5°C (-50°F)
- Ambidextrous seal connections for optimum piping loop terminations and mounting locations
- Available with NPT or flange (socket welded or butt welded) connection options for easy installation to preferred piping
- Standard 19 liter (5 gallon) reservoir with cooling coils for maximum barrier fluid volume and cooling efficiency
- Pre-configured stand and hand pump options for simplified configuration and reduced lead time
- Designed in accordance with AMSE VIII.1
- Optional U-stamp, CRN and PED (2014/68/EU) available
- For PED certified reservoirs: MAWP of 62.7 bar (910 psi) at -40°C to 204°C (-40°F to 400°F) and a MDMT of -45.5°C (-50°F)



682R seal reservoir with elliptical bottom



682R seal reservoir with flanged bottom

682R

API 682-compliant seal reservoir

	Model	Size	Configuration	Connections	Pressure Indicator	Instrument Region	Pressure Instrumentation	Level Instrumentation	Reservoir Certification	Option Package	Reservoir Examination
Example: 682R53S1G110B0	**682R**	**5**	**3**	**S**	**1**	**G**	**1**	**1**	**0**	**B**	**0**
682R											
		19 Liters (5 Gallons) With Cooling Oil, 316/316L SS									
			1 Bare Reservoir Elliptical Bottom 2 Bare Reservoir Flanged Bottom 3 Plan 52/53 Assembly Elliptical Bottom 4 Plan 52/53 Assembly Flanged Bottom								
				N NPT B BW Flanges S SW Flanges							
					0 None 1 0 to 30 psi (0 to 2 bar) 2 0 to 100 psi (0 to 7 bar) 3 0 to 300 psi (0 to 21 bar) 4 0 to 600 psi (0 to 42 bar) 5 0 to 30 psi (0 to 2 bar) With Gage Protector 6 0 to 100 psi (0 to 7 bar) With Gage Protector						
						G Global E Europe and Middle East N Americas A Asia Pacific						
							See Menu Drawing Available Options.				
								See Menu Drawing Available Options.			
									0 None C CRN P PED U U-stamp		
										0 None H Hand Pump S Squared HSS Stand B Squared HSS Stand and Hand Pump	
											0 None 1 LPI 2 PMI 3 LPI+PMI

Headquarters
Flowserve Corporation
5215 North O'Connor Blvd.
Suite 700
Irving, Texas 75039-5421 USA

USA and Canada
Kalamazoo, Michigan USA
Telephone: +1 269 381 2650

Europe, Middle East, Africa
Etten-Leur, The Netherlands
Telephone: +31 765 028 200

Asia Pacific
Singapore
Telephone: +65 6544 6800

Latin America
Mexico City
Telephone: +52 55 5567 7170

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