

Auxiliary Seal Support Reservoirs

Liquid lubricated, dual mechanical seals require an external source of fluid. A properly selected supply tank system eliminates the need to connect to a distant and sometimes unreliable barrier fluid source. Flowserve offers a complete line of standard reservoirs for a wide range of sealing applications and custom designed supply tank systems based on your specifications.

For Plan 52 & 53 Piping Arrangements

API 610

Heavy duty 950 psi tank for all-around high pressure services. Carbon steel and 304 stainless steel in two and four gallon usable capacity.

ANSI 400

400 psi tank for all-around medium pressure services. Carbon steel and 304 stainless steel in two and four gallon usable capacity.

API 682

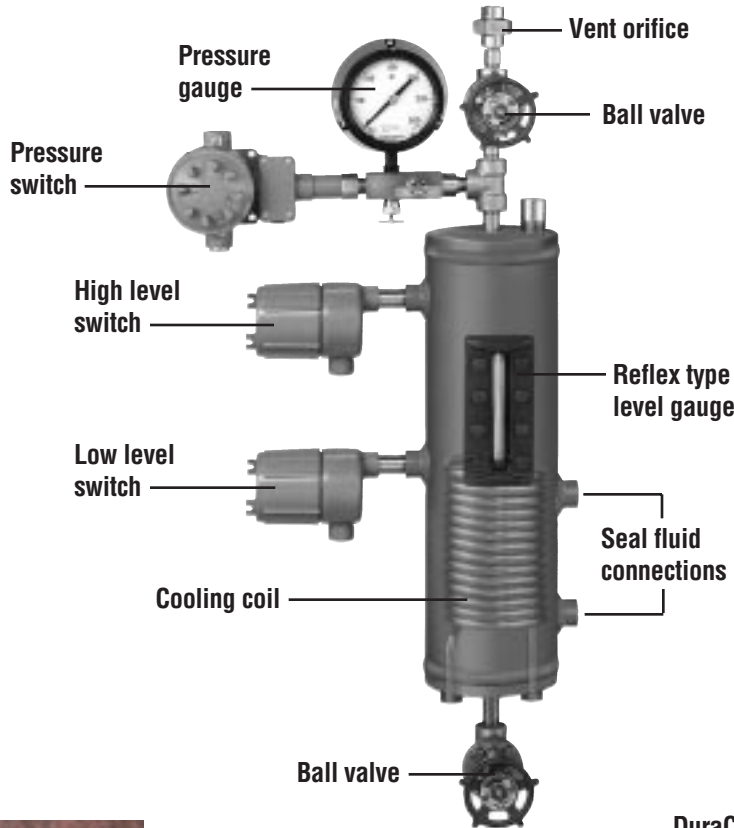
Built to specifically meet API 682 requirements. 316 stainless steel five gallon usable capacity.

Standard piping arrangements on all Flowserve supply tanks conform to API Plan 52 & 53 or ANSI Plan 7352 & 7353

ANSI Lite

Economical light duty 150 psi tank for general service applications. Carbon steel and 304 stainless construction in a 3 gallon usable capacity.

Barrier System Available Features



An advantage of a closed-loop supply tank system is its ability to indicate the condition of inner seal leakage based on the fluid level measurements over a set period of time. Optional level monitoring devices are available for early detection of either high or low liquid levels and pending seal failure.



Refill cart

Refill your supply tanks in operation without pump downtime or venting unwanted gases to atmosphere. Capable of injecting new barrier fluid into the supply tank at pressures up to 1500 psi.

DuraClear barrier fluids

Pure synthetics and blends are available for all dual and tandem mechanical seal applications. These nontoxic, food-grade barrier fluids are compatible with virtually all process fluids and will greatly reduce energy consumption and increase the mean time between planned maintenance of your pump or mixer. Request form FSD123 for information on the complete line of DuraClear products.

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Primary Worldwide Flow Solutions Division Locations

Licensees, authorized agents, and affiliated companies located worldwide.

<p>United States</p> <p>Kalamazoo, MI Phone 616-381-2650 Fax 616-381-8368</p>		<p>Canada</p> <p>Edmonton, Alberta Phone 708-463-7958 Fax 708-450-1241</p>		<p>Netherlands</p> <p>Roosendaal Phone 31-165-581-400 Fax 31-165-552-622</p>		<p>Argentina</p> <p>Mendoza Phone 54-261-427-2300 Fax 54-261-427-2524</p>	
<p>Singapore</p> <p>Phone 65-746-4318 Fax 65-747-1963</p>		<p>Brazil</p> <p>Sao Paulo Phone 55-11-4066-8600 Fax 55-11-4066-7014</p>		<p>Germany</p> <p>Dortmund Phone 49-231-6964-0 Fax 49-231-6964-248</p>		<p>Australia</p> <p>Marayong NSW Phone 61-2-8822-7100 Fax 61-2-9679-7511</p>	
<p>Mexico</p> <p>Tlaxcala Phone 52-2-461-6791 Fax 52-2-461-6847</p>		<p>Japan</p> <p>Osaka Phone 81-720-85-5571 Fax 81-720-85-5575</p>					