

AST RESERVOIR

FOR DUAL MECHANICAL SEALS



High Performance & Exceptional Value

The AST Reservoir supplies a clean buffer/barrier liquid to a dual mechanical seal without an expensive piping system. Since the AST80 dual cartridge seal has a double-balanced inboard seal, the reservoir may be pressurized for double seal applications or unpressurized for tandem seal service. Reservoirs can extend the life of dual seals by furnishing a clean barrier liquid which lubricates and cools the seal faces.



ADVANCED SEALING
TECHNOLOGY

Reliable Sealing for Rotating Equipment



AST RESERVOIR

Piping Plan	Description	Purpose	Application
Plan 52	Unpressurized buffer fluid circulation.	Reduces opportunity for process emissions by allowing the outboard seal to act as a safety backup.	Critical process fluids in applications that don't require complete isolation, but the added safety of an installed spare seal is advantageous. Used in general industry services.
Plan 53A	Pressurized barrier fluid circulation set 15-30 psi (1-2 bar) above process pressure.	Barrier fluid effectively isolates the process fluid for zero process emissions operation.	Hazardous, toxic, aggressive and dirty fluids that are not allowed to leak to the atmosphere. Used in chemical and general industry services.



ENGINEERED, TESTED & CERTIFIED...

Our Reservoirs are AST designed. We provide Certification to in-house pressure test of 550PSIG, PMI test to 304SS and visual inspection to an AST specification.

EXCEPTIONAL VALUE...

Cooling coils offered as standard.

IN STOCK & READY TO SHIP...

Maintain inventory for immediate delivery.



TECHNICAL SPECIFICATIONS

Metal Components: 304 stainless steel
Capacities Available: 5 Gallon (18.9 Liters)
Rated Pressure: 400 PSIG (2758 kpa)
Rated Temperature: 400°F (205°C)
Standard Cooling Coil: 316 stainless steel, 1/2" X .049" wall, 12' long.
1/2" NPT connections on bottom of tank.
Armored tubular level gauge standard.
Two 1/2" NPT ports for seal supply and return.
Two 3/4" NPT ports for optional level switches.
1/2" NPT drain and vent ports, 1" NPT fill port.
1/2" UNC weld nuts on back for mounting.
Various options available upon request.

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