RESUN® LUBRICATED PLUG VALVES

The cylindrical plug of the RESUN valve turns easily on a film of sealant, providing a leak-free seal. This design permits maximum port openings through the plug, including full pipe area–a distinct advantage over tapered plugs.

And since tapered plug valves often "lock up" and require re-lubrication each time the valve is to be cycled, the RESUN valve requires only an occasional charge of sealant to operate efficiently.

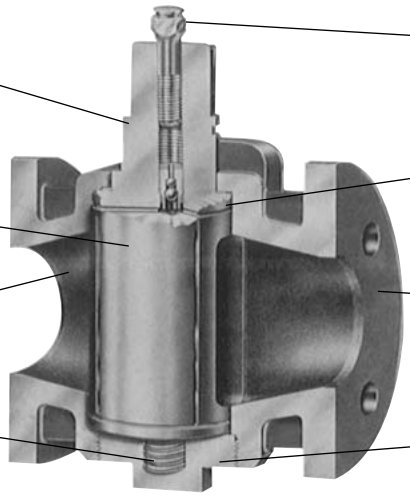
The Key to the RESUN Plug Valve's Success: its Cylindrical Plug Design

PRIMARY FEATURE-Excess sealant discharges around stem, not in the line. With no pressure build-up; no contamination of flow media or fouling of instruments.

CYLINDRICAL PLUG-fits closely, yet turns as easily as a shaft in a journal bearing.

BODY is a one-piece casting.

SPRING thrusts plug and TFE head gasket against head seat.



SEALANT SCREW with giant buttonhead fitting for injection of either bulk or stick sealant.

HEAD GASKET OF TFE, backed up by sealant pressure, gives tight stem seal.

SEATING SURFACES are not exposed to flow.

BASEPLATE seats tightly, is removable to permit disassembly. (Larger valves have bolted top cover plate).

COMPACT CONSTRUCTION

RESUN valve's compact construction permits installation in tight spaces. The valves install in any orientation without special tools.

PROTECTED SURFACES

All wear surfaces are constantly supplied with fresh sealant, protecting against corrosion and abrasion. Even in the open position, seating surfaces are protected from the flow

MINIMUM MAINTENANCE

A minimum of regular maintenance (charging with sealant) will keep a RESUN plug valve in top operating condition for long periods. If necessary, the valves can be disassembled, cleaned and reassembled quickly and easily. There are no dead pockets where sealant and contaminants can accumulate or solidify.

TIGHT HEAD SEAL

A specially contoured TFE head gasket, backed up by sealant and spring pressure, creates a tight head seal. The lubricity of the TFE contributes to ease of operation.

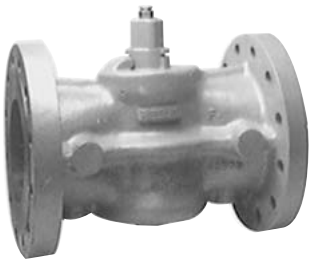
Comparison of RESUN Cylindrical Plug Features with Conventional Tapered Plugs

RESUN Cylindrical Plug		Tapered Plug	
	Larger port opening, including full pipe area.	Restricted openings; no full area.	
	Will not bind; operates easily at all pressures and temperatures within its stated limits.	Can bind under large pressure differential and under high or low temperature. At higher pressures, must be jacked-up to turn.	
	Requires only occasional lubrication for easy operation.	May require lubrication before each operation.	
	Lower consistent torque, smaller, less expensive actuator and less maintenance.	Inconsistent higher torque requires difficult adjustments and larger, more expensive actuator.	

RESUN® LUBRICATED PLUG VALVES

RECTANGULAR PORT THREADED
Wrench and worm gear operated, regular opening and full pipe area, 1/2" to 4" sizes, 200 to 800 psi WOG.

RECTANGULAR PORT VENTURI
Flanged configuration. Wrench and worm gear operation, 150 to 400 psi WOG, 6" to 30" sizes.



RECTANGULAR PORT FLANGED
Short and long pattern, wrench and worm gear operated, regular opening and full pipe area, 1" to 18" sizes, 150 to 500 psi WOG.

ROUNDED PORT THREADED
Wrench and worm gear operated, 1/2" to 4" sizes, 200 psi WOG.

RECTANGULAR PORT GROOVED
Wrench operated, regular opening valves, 2", 3", and 4" sizes, 200 psi WOG.

ROUNDED PORT FLANGED
Wrench and worm gear operation, 1" to 12" sizes, 200 psi WOG.

TOP-ENTRY CONSTRUCTION
Bolted cover plate standard. Full pipe area: 200, 400 psi WOG: 8" size up- 500 psi WOG: 6" size up- Venturi, 200, 400 psi WOG: 10" size up. Multi-port: 6" size up.

TOTALLY ENCLOSED WORM GEAR OPERATORS
Low-torque, compact worm gear operators are totally enclosed for protection of gearing.