



**VALVE AND FLOW CONTROL SPECIALISTS**  
*SERVICE AND RELIABILITY*

# General Valve

## TWIN SEAL™



### High-integrity, positive-shutoff valves

General Twin Seal™ valves, introduced in 1951, were originally invented to meet the petroleum industry's rigid standards for provable product segregation – double block and bleed shutoff. Today GENERAL is the world's leading manufacturer of Double block and bleed shutoff valves. Traditional double block and bleed requires the use of two valves separated by a spool. A bleed valve is used to drain the spool to prevent product contamination. The Twin Seal™ replaces this traditional two valve system with one double-seated **bubble-tight** valve.

#### FEATURES OF TWINSEAL

- Low torque and turn operation.
- Face to face as per API 6D gate valve.
- Simple in-line repairable.
- Firesafe per BS 6FA and BS 6755A
- NACE MRO175 compliant.
- Top and bottom entry
- Graphite packing & gasket closure seals.
- Redundant gland and gasket O--ring seals.
- Self locking/non-backdriving worm gears
- In house seal development and production
- 5 reformulated fuel slip seal materials available • --70 °F -600 °F seal material temperature.
- Standard body material ASTM A216 GR WCB with CE of .42% max.and C of .25%.
- Optional stainless steel body.
- Mechanically retractable resilient slip seals.
- In smaller sizes its just 3 turns to operate the valve (i.e. more on gear operated units)



4 Way Divert valve

With its retracting and turning operation reduces seal abrasion inherent in ball and gate valve designs.  
The body bore of the General Twin Seal are hard-chrome plated for extra wearability.  
Variety of Thermal relief and overpressure protection

Available in Short pattern, Reduced opening, Full bore designs class 150 to class 1500 in various end connections.

For further information on TWINSEAL or the latter GTS 8000 series units please contact us.

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