

*A Long Experience in Energy Equipment and one Goal:*

*The Customer's satisfaction.*



*Thevignot  
Sealmatic®  
Lubricated Plug Valves*

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# Sealmatic

## high pressure lubricated balanced plug valves Class ANSI 150 ÷ 2500 (LBS)



### Construction - Operation

- The "SEALMATIC" valve is a "pressure balanced" inverted type, lubricated taper plug valve. The plug has 2 balancing holes connecting the chambers at each end of the plug with the port. This maintains balance and prevents taper locking.
- Tight shut off is ensured by lapping the plug to fit precisely inside the body and by the injection of a film of lubricant which stops leakage and prevents penetration of dirt into the seating area.
- These valves can be used with all types of fluids.

## Sealmatic

### Reliability & Safety

#### Description

##### STEM SEALING

- Stuffing box with renewable packing
- External gasket
- Friction washer
- Packing injection facility

##### SEATING

- Metal-to-metal sealing - film of lubricant
- Maintenance can be carried out from outside:
  - adjustment of plug
  - renewal of lubricant

##### LUBRICATION

- Valves can be lubricated at full working pressure or during shut-down, and will provide remarkably long service lives.

##### STEM

- Anti-blow-out
- Not integral with the plug
- Operated by:
  - Wrench - Manual gear - Electric, Pneumatic or hydraulic actuator

##### FIRE SAFETY

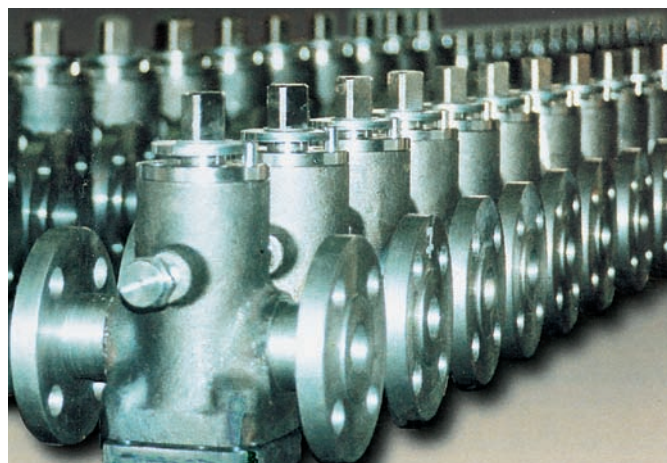
- Metal-to-metal sealing
- Stuffing box with renewable packing
- Injected packing
- Approvals SNEAP - RG - TUY - F2

##### PLUG

- Pressure balanced
- Adjustable position
- Low operating torque

##### BODY BASE COVER

- Sealing by two metal diaphragms + a corrugated metal gasket
- Connection: bolted



# Applications



Exploration & Production



Transportation & Storage

- Gas: Production, transportation and storage
- Offshore
- Drilling and production platforms
- Refineries
- Alumina plants
- Bitumen plants



Refineries



Chemicals & Petrolchemicals

- Iron & steel works
- Cement works
- Automatic filling stations for road tankers, tank wagons and ocean-going tankers
- Tankers transporting liquid sulphur
- Production units for liquid sulphur, etc...

## Sealmatic

### Range of manufacture

#### TEMPERATURES

Range of working temperatures in accordance with temperature resistance of lubricant. (max. 325° C - technical specification available on request).

#### MATERIALS

SEALMATIC valves can be manufactured in all grades of cast steel to ASTM standard, or in specific grades for arduous duties.

#### ACTUATORS

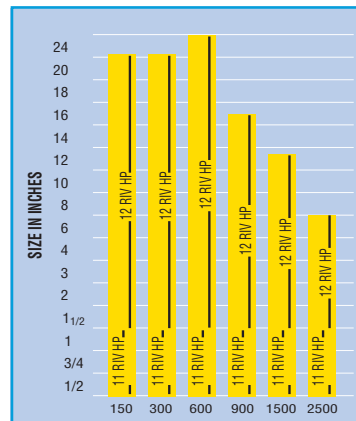
SEALMATIC valves can be equipped with all types of actuators:

- Wrench or handwheel
- Pneumatic or hydraulic or electric actuator.

To determine operating torque, please specify conditions of service.

#### OPTIONAL

- Locking device
- Limit switches
- Interlocking
- Extension spindle, etc...



According to size and rating, port shape can be:

- regular pattern
- venturi pattern



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