## **WEDGE & SLAB GATE VALVES**

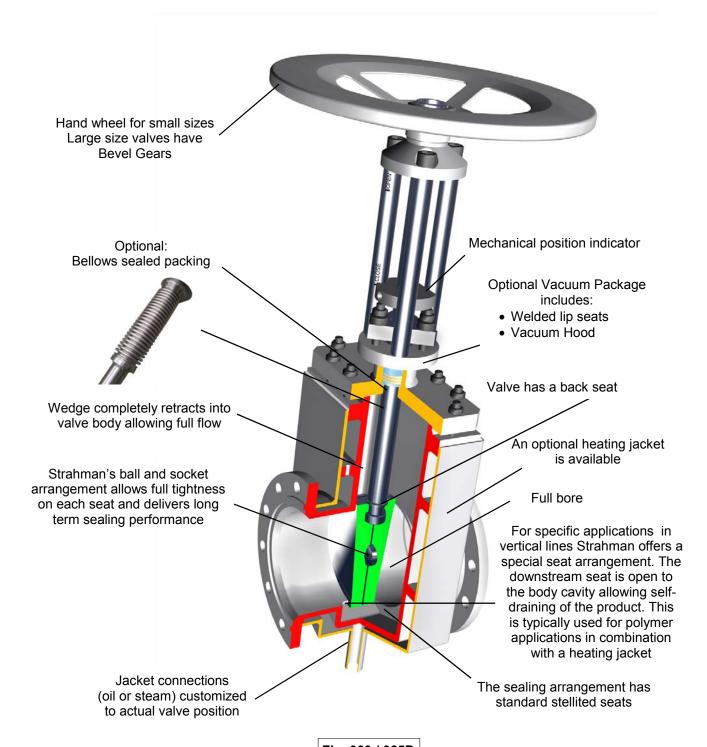






# WEDGE GATE AND SLAB GATE VALVES FOR SPECIAL APPLICATIONS

Wedge gate Valves

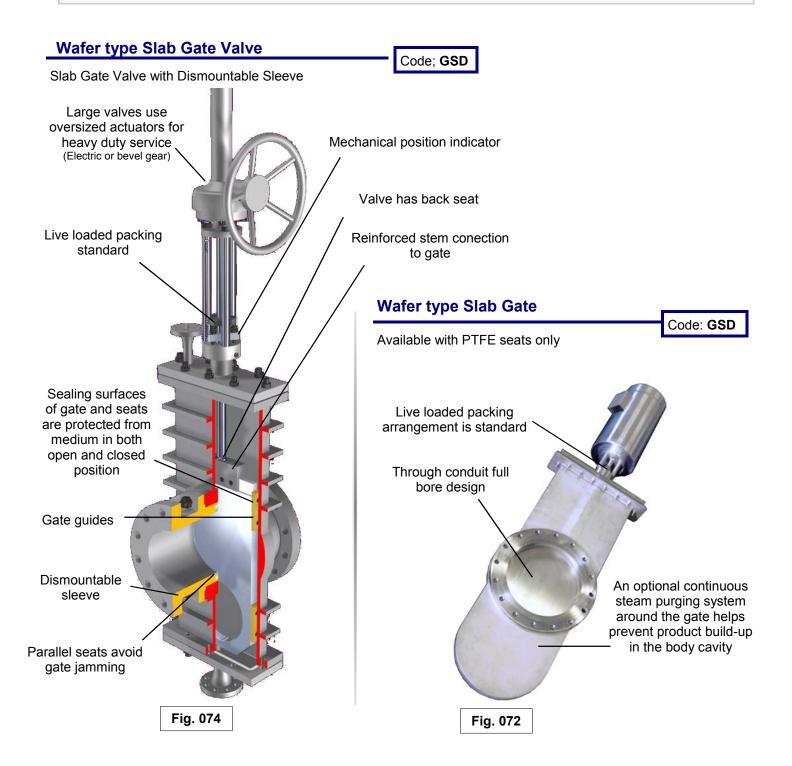


Code: GW2M

Fig. 060 / 065D

Strahman Valves designs and manufactures gate valves for special applications. They include specific applications where large diameters, jacketing or special materials are necessary. Most of Strahman's gate valves are customized to meet specific process requirements. They are well suited as isolation valves for process lines in chemical and petrochemical applications.

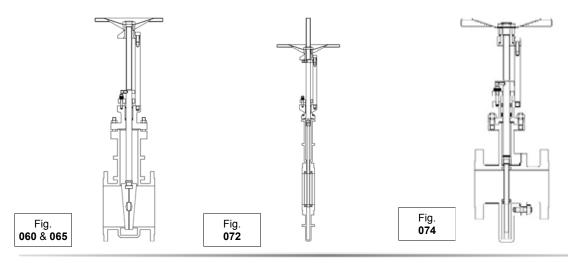
The safety of process equipment often depends on the reliability of these "key equipment" valves. The main features include tight shut-off, full bore design, availability of metal or resilient sealing arrangements and the choice between wedge or parallel seated designs. Jacketed wedge gate valves are mainly used in the polymer industry. Bellow-sealed wedge gate valves with welded lip seals are suitable for toxic and lethal products. Slab gate valves are recommended for isolation of ethylene furnaces where heavy feedstocks are cracked.



### **BODY ARRANGEMENTS**

Strahman Gate valves have three different configurations:

- Fig. 060 or 065 is for Wedge gate valves
- Fig. 072 is for Wafer type slab gate valves
- Fig. 074 is for Slab gate valves with dismountable seats



## **RANGE DEFINITION**

<b>GW</b> Manufacturing Range	PN 10	PN 16	PN 20- 150 lbs.	PN 25	PN 40	PN 50 300 lbs.	PN64 400 lbs.	PN 100 600 lbs.	PN 150/160-900 lb	PN 250 -1500 lb	PN 320	PN 420—2500 lb	PN 630 –4500 lb
3/8"- DIN10													
1/2"- DIN15													
3/4"- DIN20													
1"- DIN25													
1 1/4"- DIN32													
1 1/2"- DIN40													
2"- DIN50													
2 1/2"- DIN65													
3"- DIN80													
4"- DIN100			Fi	g.	06	0	& (	65					
5"- DIN125													
6"- DIN150													
8"- DIN200													
10"- DIN250													
12"- DIN300													
14"- DIN350													
16"- DIN400													
18"- DIN450													
20"- DIN500													
24"- DIN600													
28' - DIN700													
32" - DN800													
36" - DN900													
40" - DN1000													
44" -DN1100													
48" - DN1200													

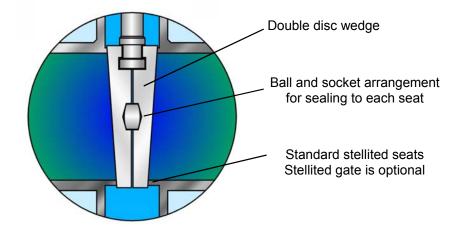
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36" - DN900													
40" - DN1000													
44" -DN1100													
48" - DN1200													

#### **SEALING SYSTEMS**

Strahman Gate Valve sealing systems utilize different designs for wedge and slab valves. The following drawings illustrate the specific differences.

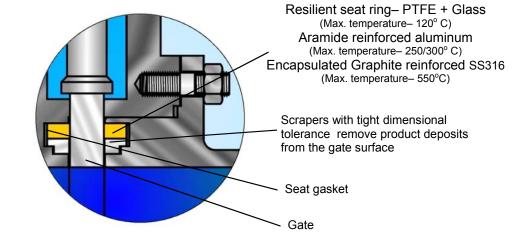
#### Wedge

- Metal to Metal Gate to body seat sealing
- Stellite coating standard on body seat
- Bi-directional valve



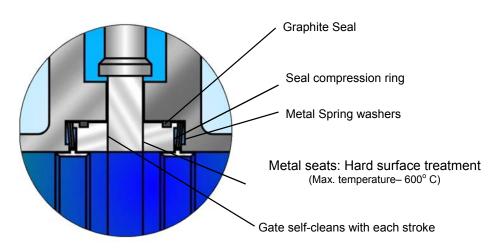
## Resilient Seats with Scraper Ring

- Metal to resilient material Gate to seat sealing
- Bi-directional valve
- Replaceable seats

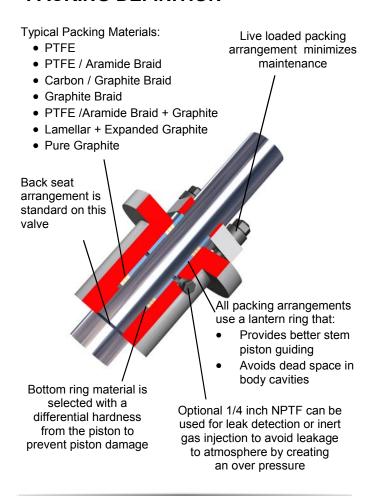


## Resilient Seats with Scraper Ring

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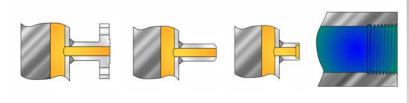
#### PACKING DEFINITION



#### STANDARD BODY GASKET RANGE

- PTFE
- Aramide / Nitrile
- Carbon / Aramide
- · Laminated Graphite
- Laminated Graphite / 316
- Welded Lips

#### JACKET CONNECTIONS



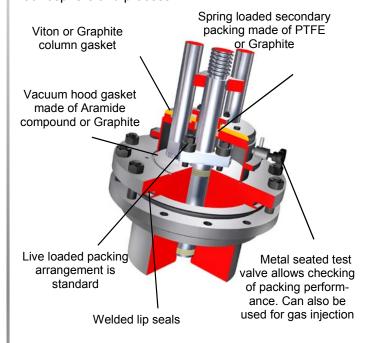
Flanges ANSI,DIN,JIS **Butt Weld** 

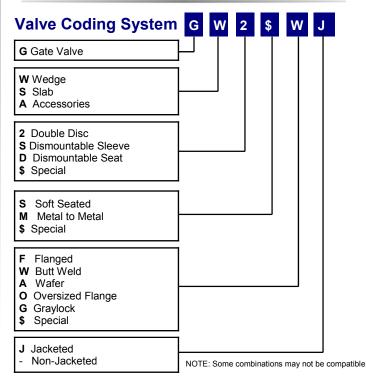
Socket Weld

Threaded connections NPT & BSP

#### **VACUUM HOOD**

For valves on full vacuum service Strahman offers a special **vacuum package** that maintains tightness to atmosphere. Valves with this package are usually equipped with an **M Ring Seal** design as process sealing. The system uses a replaceable aluminium or nickel seal ring and provides high vacuum performance. This special **vacuum package** provides zero leakage between atmosphere and process.





#### **TECHNICAL & GENERAL INFORMATION**

#### **Design Code & Construction**

- Design standard compliant with ASME B16.34
- International standards include ANSI, DIN, JIS, API etc.
- Wide range of material selections including carbon steel / stainless steel / Titanium / Hastelloy / Duplex / Monel / Tantalum / Zirconium
- Fabricated, cast, forged and bar stock designs
- Combinations of fabricated, sand and investment casings, and bar stock available

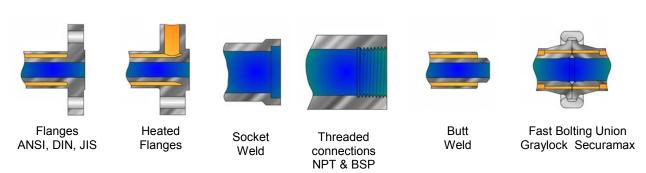
#### Surface Finish

For polymer applications, Strahman recommends a surface facing of 300 (Ra 0.4) for all parts are in contact with the medium

#### Quality assurance & testing

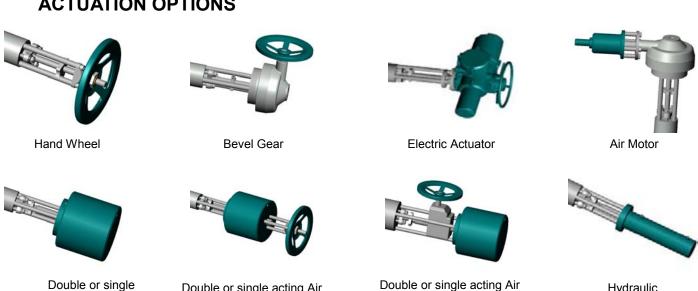
- ISO 9001 compliant
- PED / ATEX / CE marking
- TUV / HPO / TA Luft
- Standard testing procedures

#### LINE & BRANCH CONNECTIONS



### **ACTUATION OPTIONS**

acting Air Cylinder



Cylinder with side mounted

Safety Hand Wheel

Hydraulic

Cylinder

Double or single acting Air

Cylinder with Safety Hand Wheel

#### The Strahman family of products include:

#### SAMPLING VALVES

Strahman has a full line of sampling valves that produce live samples without exception. Our sampling valves unique design prevent failure caused by sediment or clogging.

#### DRAIN VALVES

Strahman Drain Valves are designed to prevent clogging. They are ideal for use in liquid and gas service or with slurries, polymers, and high viscosity fluids that tend to solidify at room temperature.

#### WASH DOWN EQUIPMENT

Strahman offers a full line of mixing units, hose stations, hoses, nozzles and wash down accessories. Our wash down line is designed for industrial use and is used in a wide variety of industries including food, beverage, pharmaceutical, chemical and other applications.

#### LINE BLINDS

Strahman Line Blinds provide zero leakage down stream and total isolation on process pipelines, vessels, and maritime applications. No pipeline movement is required when blind position is changed.

Please contact your local Strahman representative for further details

or

visit our website: www.strahmanvalves.com



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