

SOLVING YOUR MOST DIFFICULT PROCESS CHALLENGES

Offering High-Purity Gaskets, Silicone Hose, Silicone Tubing, Steam Traps, Diaphragm Valves & More

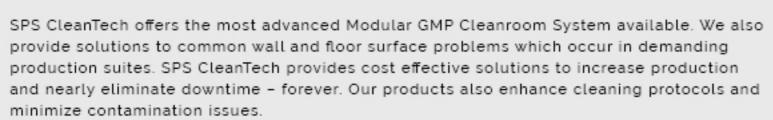
Since 1950 Sentinel Process Systems has been distributing high-purity solutions and solving process challenges for the clean manufacturing industry. From gaskets, silicone hose and silicone tubing to steam traps and diaphragm valves, we are here to assist you in solving all of your difficult process challenges. We provide you the best technologies from world-class manufacturers, coupled with the best in customer services to meet all of your production needs. Browse our catalog today!

GASKETS, CLAMPS & SEALS	PROCESS HOSES & MORE	SILICONE TUBING & MORE	
STEAM TRAPS & STEAM PRODUCTS	DIAPHRAGM & OTHER PROCESS VALVES	PROCESS INSTRUMENTATION	
SINGLE USE TECHNOLOGIES	PROCESS FITTINGS & FABRICATIONS	PROCESS EQUIPMENT & SYSTEMS	

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Sentinel Process Systems, Inc. is recognized as a high quality design and build process systems supplier as well as a manufacturer's representative of specialized equipment for kilo labs and pilot plants. Our team of engineers and sales have expertise in scale-up challenges, and experience working in these environments.

PRODUCTS

SEARCH

over 100,000

ABOUT US NEWS & EVENTS



MANUFACTURERS





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GASKETS, CLAMPS & SEALS	PROCESS HOSES & MORE	SILICONE TUBING & MORE PROCESS INSTRUMENTATION	
STEAM TRAPS & STEAM PRODUCTS	DIAPHRAGM & OTHER PROCESS VALVES		
SINGLE USE TECHNOLOGIES	PROCESS FITTINGS & FABRICATIONS	PROCESS EQUIPMENT & SYSTEMS	

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MANUFACTURERS

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PROCESS FITTINGS & FABRICATIONS

PROCESS EQUIPMENT & SYSTEMS

over 100,000 products.

VALVES & DIAPHRAGM VALVES

Sentinel Process Systems understands that their is more than just one type of valve in a process line, and has strived to fill all of those valve needs. Whether sanitary, or industrial, Sentinel is able to offer different types of valves in all of the necessary sizes. We supply the

industry's best manufacturers to ensure that your process line is regulated as it should be.















BUTTERFLY VALVES







GLOBE VALVES



GEMÜ DIAPHRAGM VALVES







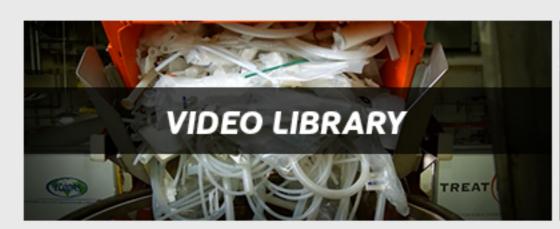




REACTOR OUTLET VALVES

SAMPLING VALVES

GEMÜ SOLENOID VALVES







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Products / Valves & Diaphragm Valves / Gemu Diaphragm Valves



Sentinel Process Systems carries Gemu's full range of diaphragm valves. This includes their sanitary, industrial, and high purity options. Gemu prides itself on its superior sealing technology, and interchangeable parts and accessories to provide the best value valve on the market.

- GEMÜ DIAPHRAGM VALVES -



Sanitary Diaphragm Valves (###)

Sentinel Process Systems is a proud distributor of Gemu sanitary and high purity diaphragm valves. Gemu diaphragms valves are available in 1/4 in - 6 in sizes with manual, pneumatically actuated, and motorized configurations. Gemu's diaphragms offer complete interchangeability with a vast catalog of spare parts and accessories, allowing you to protect your investment. With stock on the shelf, Sentinel is proud to offer these diaphragm valves with quick lead times, and an impressive working knowledge of the product.



Industrial Diaphragm Valves (###) Sentinel carries Gemu's full line of industrial diaphragm valves. These valves are suitable for borth inert and corrosive liquid and gaseous media with chemically resistance actuators, diaphragms, and valve bodies all available. Gemu offers all of their valves with a multitude of connections allowing you to mate any of their valves to your process line. With fully interchangeable

parts and accessories, Gemu provides the best industrial valves on the market today.



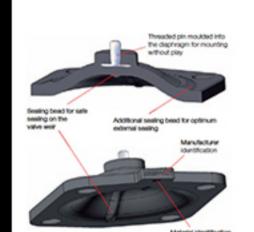
High Purity Valves (###)

Since 1988, GEMÜ has been an industry leader in the production of High Purity valves, measurement and control systems. Our dedication to quality has earned us many loyal customers in the semiconductor industry. Our High Purity products are developed and produced specifically for use in process equipment, ultra pure water and chemical manufacturing and distribution systems - as well as for microchip production. They are produced today under the strictest cleanroom conditions at our manufacturing site in Switzerland.



Cleanstar PFA Valves (###)

Sentinel is proud to offer the full Gemu diaphragm valve range. This includes their High Purity Cleanstar valves which are shipped double bagged and assembled in a cleanroom. These valves feature a contamination free, high flow configuration with no dead spaces, and connections that are compatible with all current designs. These valves are constructed from either PFA or PVDF to suit your chemical and temperature requirements.



Diaphragms and Spare Parts (###)

Sentinel is proud to carry Gemu's diaphragm valves as they offer fully interchangeable parts. Whether you need to switch out diaphragms, or change a manual valve to a pneumatically operated one, Gemu's diaphragm valves are easily modified. With a full range of accessories such as stroke limiters, optical position indicators, and limit switches, Gemu's diaphragm valves can be fully tailored to your process specifications.



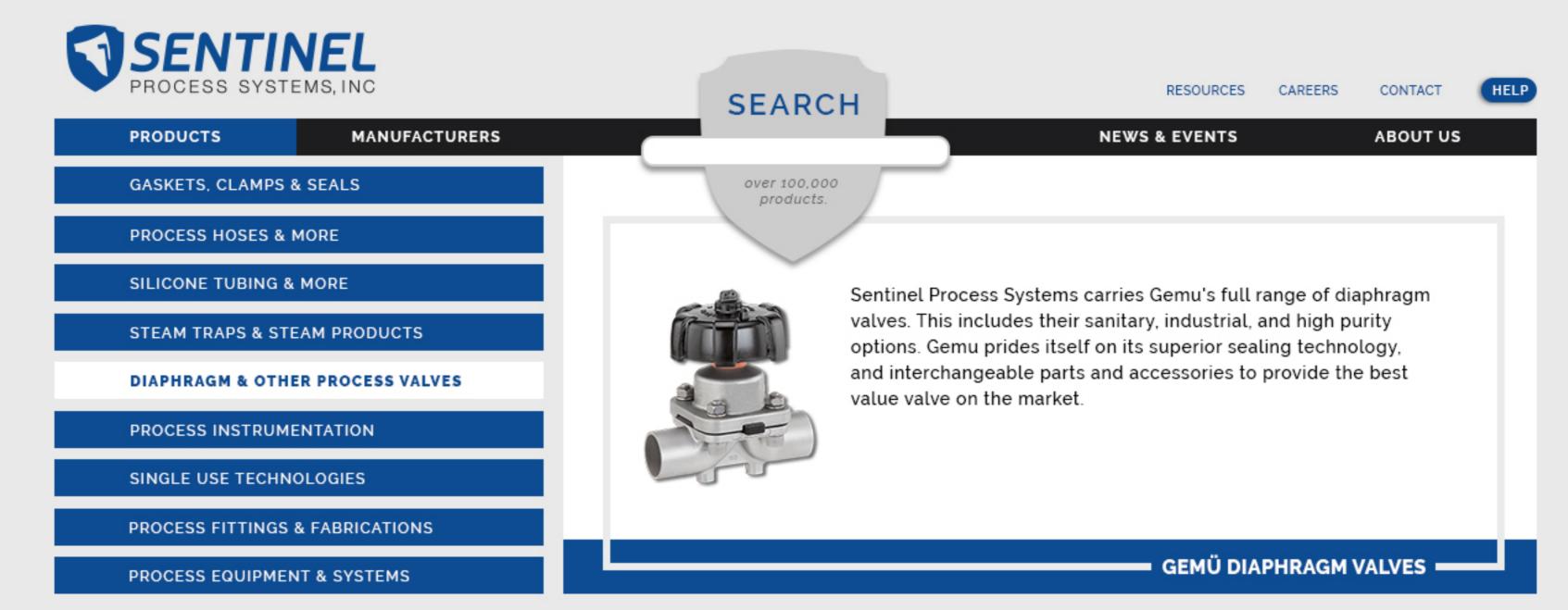
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Products / Valves & Diaphragm Valves / Gemu Diaphragm Valves / Sanitary Diaphragm Valves

Sanitary Diaphragm Valves (###)

Sentinel Process Systems is a proud distributor of Gemu sanitary and high purity diaphragm valves. Gemu diaphragms valves are available in 1/4 in - 6 in sizes with manual, pneumatically actuated, and motorized configurations. Gemu's diaphragms offer complete interchangeability with a vast catalog of spare parts and accessories, allowing you to protect your investment. With stock on the shelf, Sentinel is proud to offer these diaphragm valves with quick lead times, and an impressive working knowledge of the product.

- 1/4 in-6 in Sizes Available.
- FDA/USP Class VI Diaphragms Available in EPDM and TFM/EPDM.
- Unique Sealing Design for Minimal Entrapment.
- Robust Designs with Fully Interchangeable Actuators and Hand wheels.
- · Numerous Accessories for Valve Control.





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Products / Valves & Diaphragm Valves / Gemu Diaphragm Valves / Sanitary Diaphragm Valves / Manually Operated

Manually Operated Sanitary Diaphragm Valves (###)



PROCESS EQUIPMENT & SYSTEMS

GEMU Type 601 Sanitary Diaphragm Valve, Manually Operated (###)

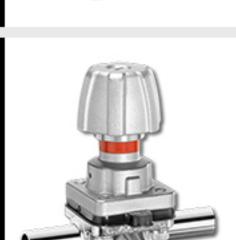
Nominal size 1/2", with stainless steel bonnet (similar to 612 and 673) 1/4", 3/8", 1/2" connections.

STANDARD FEATURES

- · Stainless steel bonnet with sanitary internals
- Ultem® 1000 polymer handwheel

VIEW MORE +

GEMÜ DIAPHRAGM VALVES



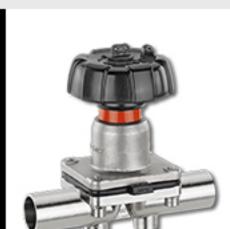
GEMU Type 602 Sanitary Diaphragm Valve, Manually Operated (###)

Nominal size ½", with stainless steel bonnet (similar to 601, 612 and 673 except with stainless handwheel) ¼", 3/8", ½" connections

STANDARD FEATURES

- Stainless steel bonnet with sanitary internals
- Stainless handwheel

VIEW MORE +



GEMU Type 612 Sanitary Diaphragm Valve, Manually Operated (###)

Nominal size 34", with stainless steel bonnet (similar to 601 and 673) 3/8", 1/2", 3/4" connections

STANDARD FEATURES

- Stainless steel bonnet with sanitary internals • Ultem® 1000 polymer handwheel

VIEW MORE +



Nominal sizes 1"- 2", with stainless steel bonnet (similar to 601 and 612) 1/2"- 2" connections

GEMU Type 673 Sanitary Diaphragm Valve, Manually Operated (###)

STANDARD FEATURES

- Stainless steel bonnet with sanitary internals
- Ultem® 1000 polymer handwheel

VIEW MORE +



GEMU Type 643 Sanitary Diaphragm Valve, Manually Operated (###)

Nominal sizes 1'- 11/2', with stainless steel bonnet, bevel gear operated for tank bottom clearance consideration or piping convenience 1/2" - 11/2" connections

STANDARD FEATURES • Stainless steel bonnet with sanitary internals

- Ultem® 1000 polymer handwheel

VIEW MORE +



GEMU 611 Diaphragm Valve, Metal (###)

Nominal size 34", with reinforced polymer bonnet, (Similar to 671) 3/8", 1/2", 3/4" connections

STANDARD FEATURES

- Reinforced polymer bonnet with sanitary internals
- EHEDG certified sealing concept

VIEW MORE +



GEMU 653 Diaphragm Valve, Metal (###)

Nominal sizes ¾"-4", with stainless steel bonnet, includes travel stop open and option for limit switches or lock-out, ½"- 4" connections

STANDARD FEATURES

- Stainless steel bonnet with sanitary internals
- Filled PPS polymer handwheel

VIEW MORE +



GEMU 654 Diaphragm Valve, Metal (###)

Nominal sizes ¾"-4", with stainless steel bonnet, includes travel stop open and option for limit switches or lock-out, (similar to 653 except with stainless handwheel) 1/2"- 4" connections

STANDARD FEATURES

- Stainless steel bonnet with sanitary internals
- Stainless steel handwheel

VIEW MORE +



GEMU 671 Diaphragm Valve, Metal (###)

Nominal size 1"-4", with reinforced polymer bonnet (Similar to 611) 1/2"-4" connections

STANDARD FEATURES

- Filled reinforced polymer bonnet with sanitary internals
- EHEDG certified sealing concept

VIEW MORE +



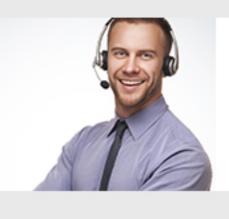
GEMU 675 Diaphragm Valve, Metal (###)

Nominal sizes 6", with ENi coated bonnet, 6" connections

STANDARD FEATURES

- ENi coated bonnet, with sanitary internals
- · Polymer coated handwheel,

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Manually Operated Sanitary Diaphragm Valves (###)



PROCESS EQUIPMENT & SYSTEMS

GEMU Type 601 Sanitary Diaphragm Valve, Manually Operated (###)

Nominal size 1/2", with stainless steel bonnet (similar to 612 and 673) 1/4", 3/8", 1/2" connections.

STANDARD FEATURES

- Stainless steel bonnet with sanitary internals • Ultem® 1000 polymer handwheel
- EHEDG certified sealing concept
- Autoclavable
- Compact design
- · Seal adjuster (adjustable travel stop closed)
- Visual position indicator
- · Second generation PTFE or EPDM diaphragm
- Body material forged 316L stainless steel
- Integral buttweld tube extensions or triclamp

AVAILABLE OPTIONS

- Special Connections:
 - VCR®, hose barb, welded extensions (tube or pipe),
 - ISO, DIN and other international standards

Fabrications:

Cluster valve assemblies, Zero Static T-valves, Duplex, Multiported, Tank Bottom/Side Sampling, Bottle Sampling and custom multiported block valves upon request.

Special Purpose Valves:

- Valves for COP applications
- Bevel gear operated valves (see type 643)

Materials:

AL-6XN®, Hastelloy® Titanium®, and other alloys on request.

TYPICAL APPLICATIONS

- Pharmaceutical manufacturing
- Bioprocessing
- Cosmetic
- Brewery Service · Food and Beverage
- Semiconductor
- High Purity Chemicals

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= GEMÜ DIAPHRAGM VALVES 💳



GEMU Type 602 Sanitary Diaphragm Valve, Manually Operated (###)

Nominal size ½", with stainless steel bonnet (similar to 601, 612 and 673 except with stainless handwheel) ¼", 3/8", ½" connections

STANDARD FEATURES

- · Stainless steel bonnet with sanitary internals
- Stainless handwheel

VIEW MORE +



GEMU Type 612 Sanitary Diaphragm Valve, Manually Operated (###)

Nominal size 34", with stainless steel bonnet (similar to 601 and 673) 3/8", 1/2", 3/4" connections

STANDARD FEATURES

- Stainless steel bonnet with sanitary internals
- Ultem® 1000 polymer handwheel

VIEW MORE +



GEMU Type 673 Sanitary Diaphragm Valve, Manually Operated (###)

Nominal sizes 1"- 2", with stainless steel bonnet (similar to 601 and 612) 1/2"- 2" connections

STANDARD FEATURES

- · Stainless steel bonnet with sanitary internals
- Ultem® 1000 polymer handwheel

VIEW MORE +



GEMU Type 643 Sanitary Diaphragm Valve, Manually Operated (###)

Nominal sizes 1'- 11/2', with stainless steel bonnet, bevel gear operated for tank bottom clearance consideration or piping convenience 1/2" - 11/2" connections

STANDARD FEATURES

- Stainless steel bonnet with sanitary internals
- Ultem® 1000 polymer handwheel

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GEMU 611 Diaphragm Valve, Metal (###)

Nominal size 34", with reinforced polymer bonnet, (Similar to 671) 3/8", 1/2", 3/4" connections

STANDARD FEATURES

- Reinforced polymer bonnet with sanitary internals • EHEDG certified sealing concept

VIEW MORE +



GEMU 653 Diaphragm Valve, Metal (###)

Nominal sizes ¾"-4", with stainless steel bonnet, includes travel stop open and option for limit switches or lock-out, ½"- 4" connections

STANDARD FEATURES

- · Stainless steel bonnet with sanitary internals
- Filled PPS polymer handwheel

VIEW MORE +



GEMU 654 Diaphragm Valve, Metal (###)

Nominal sizes ¾"-4", with stainless steel bonnet, includes travel stop open and option for limit switches or lock-out, (similar to 653 except with stainless handwheel) ½"- 4" connections

STANDARD FEATURES

- Stainless steel bonnet with sanitary internals
 - Stainless steel handwheel

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GEMU 671 Diaphragm Valve, Metal (###)

Nominal size 1"-4", with reinforced polymer bonnet (Similar to 611) 1/2"-4" connections

STANDARD FEATURES

STANDARD FEATURES

 Filled reinforced polymer bonnet with sanitary internals · EHEDG certified sealing concept

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GEMU 675 Diaphragm Valve, Metal (###) Nominal sizes 6", with ENi coated bonnet, 6" connections

· ENi coated bonnet, with sanitary internals · Polymer coated handwheel,

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STANDARD FEATURES

- Stainless steel bonnet with sanitary internals
- EHEDG certified sealing concept
- 0 0

PROCESS EQUIPMENT & SYSTEMS

DOWNLOADS

⚠ Data Sheet **★** Manual

Nominal size 1/2", with stainless steel bonnet (similar to 612 and 673) 1/4", 3/8", 1/2" connections.

GEMU Type 601 Sanitary Diaphragm Valve, Manually Operated (###)

- Ultem® 1000 polymer handwheel
- Autoclavable
- Compact design
- Seal adjuster (adjustable travel stop closed)
- Visual position indicator
- Second generation PTFE or EPDM diaphragm

• Body material forged 316L stainless steel

- Integral buttweld tube extensions or triclamp

Special Connections:

AVAILABLE OPTIONS

VCR®, hose barb, welded extensions (tube or pipe),

ISO, DIN and other international standards

Fabrications:

Cluster valve assemblies, Zero Static T-valves, Duplex, Multiported, Tank Bottom/Side Sampling, Bottle Sampling and custom multiported block valves upon request. Special Purpose Valves:

Valves for COP applications

Bevel gear operated valves (see type 643)

Materials:

AL-6XN®, Hastelloy® Titanium®, and other alloys on request.

TYPICAL APPLICATIONS Pharmaceutical manufacturing

- Bioprocessing
- Cosmetic
- Brewery Service
- Food and Beverage
- Semiconductor
- High Purity Chemicals

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SPECIFICATIONS NOTES: The valve is completely sealed in both flow directions up to full operating pressure. For Multiported Valve Body Configuration, Please consult factory for other options. NOMINAL SIZE DIAPHRAGM MATERIAL SURFACE FINISH EPDM DIAPHRAGM, CODE 17 15µ-IN RAMAX SF4 1/2 INCH BODY CONFIGURATION CONTROL FUNCTION MAX. PERM. TEMPERATURE OF OPERATING MEDIUM 150 °C STANDARD 2-WAY MANUALLY OPERATED CONNECTION PIPE MAIN SIZE BUTT-WELD 1/4 INCH PIPE MAIN CONNECTION BODY MATERIAL 59 316L STAINLESS STEEL

VIEW ITEMS										
	ITEM #	ITEM NAME	NOMINAL SIZE	BODY CONFIGURATION	CONNECTION	SURFACE FINISH				
	601008B8041170-1502	Sanitary Diaphragm Valve	1/4 inch	Standard 2-Way	Butt-Weld	15µ-in RAmax SF4				
	601008B8041170-1507	Sanitary Diaphragm Valve	1/4 inch	Standard 2-Way	Butt -Weld	15µ-in RAmax SF4				
	601008B8041170-1508	Sanitary Diaphragm Valve	1/4 inch	Standard 2-Way	Butt-Weld	15µ-in RAmax SF4				
	601008B8041170-1516	Sanitary Diaphragm Valve	1/4 inch	Standard 2-Way	Butt-Weld	15µ-in RAmax SF4				
	601008B8041170-1536	Sanitary Diaphragm Valve	1/4 inch	Standard 2-Way	Butt-Weld	15µ-in RAmax SF4				
	601008B8041170-1537	Sanitary Diaphragm Valve	1/4 inch	Standard 2-Way	Butt-Weld	15µ-in RAmax SF4				
	601008B80413A0-1502	Sanitary Diaphragm Valve	1/4 inch	Standard 2-Way	Butt-Weld	15µ-in RAmax SF4				
	601008B80413A0-1507	Sanitary Diaphragm Valve	1/4 inch	Standard 2-Way	Butt-Weld	15µ-in RAmax SF4				
	601008B80413A0-1508	Sanitary Diaphragm Valve	1/4 inch	Standard 2-Way	Butt-Weld	15µ-in RAmax SF4				
	601008B80413A0-1516	Sanitary Diaphragm Valve	1/4 inch	Standard 2-Way	Butt-Weld	15µ-in RAmax SF4				

Showing 10 of 504 | View All 504 Standard Items



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