

Sanitary Gauges & Diaphragm Seal Assembly

Open Front 63mm & 100mm

USG Location: Largo, FL

MODEL CSTG All-Welded Sanitary System

The **CSTG-Series** all-welded system combines the proven durability and performance of our US Gauge 656 series liquid fillable all stainless steel gauge and our M&G sanitary diaphragm seal. It is **3A** approved for dairy, food & beverage, biotech, and pharmaceutical application. The CSTG all-welded 316L sanitary system offers exceptional reliability and cost advantage to an individual gauge threaded to diaphragm seal as it eliminate the potential leak path and contaminants between the seal and the pressure gauge.



Figure 1: Model CSTG

Standard Model	List Price
Model CSTG 63mm Dry LM Case with PSI scale, 1-1/2" and 2" Tri-Clover Connection with Glycerin standard system fill	\$ 375.00
Model CSTG 100mm Dry LM Case with PSI scale, 2" Tri-Clover Connection with Glycerin standard system fill (please see following pages for 1-1/2" Tri-Clover on 100mm gauges)	\$ 448.00
Options:	List Adder
3" Tri-Clover Connection	\$ 228.00
63mm Centerback Mount (CBM) Connection	\$ 15.00
Glycerin Case Fill	\$ 30.40
Mineral Oil Case Fill	\$ 50.20
Vegetable Oil Case Fill	\$ 20.40
Other Case Fill Fluids	Quote
Mineral Oil System Fill	\$ 0.00
Vegetable Oil System Fill	\$ 0.00
Neobee 20 System Fill	\$ 20.00
Other System Fill Fluids	Quote
Shatter-Resistant Window (63mm only, standard on 100mm)	\$ 2.25
NIST Traceability	\$ 160.00
Service Identification Tag	\$ 15.50

Notes:

Master Gauge Co.



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Sanitary Gauges & Diaphragm Seal Assembly

Open Front 63mm & 100mm

USG Location: Largo, FL

MODEL CSTG All-Welded Sanitary System

Part Number Configuration¹

Base Model (1 through 4)

CSTG Tri-Clover clamp sanitary gauge & seal assembly

Process Connection Size (5 and 6)

15 1-1/2" (63mm gauges only, see next two pages for 100mm with 1-1/2" Tri-Clover)

20 2"

30 3"

Pressure Gauge Connection & Type (7)

C USG Model 656 63mm (2-1/2") CBM

L USG Model 656 63mm (2-1/2") LM

B USG Model 656 100mm (4") LM (2" and 3" Tri-Clover only)

Pressure Gauge Range (8 through 10)

315 30" Hg VAC - 0 - 15 PSI

015 0 - 15 PSI

030 0 - 30 PSI

060 0 - 60 PSI

100 0 - 100 PSI

160 0 - 160 PSI

300 0 - 300 PSI

600 0 - 600 PSI

Case Fill Fluid (11 and 12)

-- No option used

GL Glycerin

MI Mineral oil

VO Vegetable oil

System Fill Fluid (13 and 14)

GL Glycerin

MI Mineral oil

NE Neobee 20

VO Vegetable oil

Special Options (15 and more as necessary)

- No option used

C C of C

T Gauge locking device

A Mill certs

/C NIST cert (instrument)

F Service Tag

C	S	T	G	5	6	7	8	9	#	#	#	#	#
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¹ Typical configurations only. Contact USG Sales for additional materials and options.

Sanitary Gauges & Diaphragm Seal Assembly

Open Front 100mm with 1-1/2" Tri-Clover Connection

MODEL CSTG All-Welded Sanitary System

USG Location: Largo, FL

The **CSTG-Series** all-welded system combines the proven durability and performance of our US Gauge 656 series liquid fillable all stainless steel gauge and our M&G sanitary diaphragm seal. It is **3A** approved for dairy, food & beverage, biotech, and pharmaceutical application. The CSTG all-welded 316L sanitary system offers exceptional reliability and cost advantage to an individual gauge threaded to diaphragm seal as it eliminate the potential leak path and contaminants between the seal and the pressure gauge.



Standard Model	List Price
Model CSTG 100mm Dry LM Case with PSI scale, 1-1/2" and 2" (all pressure ranges) Tri-Clover Connection with Glycerin	\$ 483.00

Options:	List Adder
Glycerin Case Fill	\$ 34.00
Mineral Oil Case Fill	\$ 56.75
Vegetable Oil Case Fill	\$ 34.40
Other Case Fill Fluids	Quote
Mineral Oil System Fill	\$ 0.00
Vegetable Oil System Fill	\$ 0.00
Neobee 20 System Fill	\$ 22.40
Other System Fill Fluids	Quote
NIST Traceability	\$ 160.00
Service Identification Tag	\$ 15.50

Figure 1: Model CSTG with 4" Gauge and 1-1/2" Tri-Clover Connection

Notes:

Sanitary Gauges & Diaphragm Seal Assembly

USG Location: Largo, FL

Open Front 100mm with 1-1/2" Tri-Clover

MODEL CSTG All-Welded Sanitary System

Part Number Configuration¹

Base Model (1 through 4)

CSTG Tr-Clover clamp sanitary gauge & seal assembly

Process Connection Size (5 and 6)

15 1-1/2"

Pressure Gauge Connection & Type (7)

B USG Model 656 100mm (4") LM (1-1/2" connection limited to 160 psi to 300 psi)

A USG Model 656 100mm (4") LBM (1-1/2" connection limited to 160 psi to 300 psi)

Pressure Gauge Range (8 through 10)

330 30" Hg VAC - 0 - 30 PSI

360 30" Hg VAC - 0 - 60 PSI

310 30" Hg VAC - 0 - 100 PSI

315 30" Hg VAC - 0 - 150 PSI

320 30" Hg VAC - 0 - 200 PSI

303 30" Hg VAC - 0 - 300 PSI

030 0 - 30 PSI

060 0 - 60 PSI

100 0 - 100 PSI

160 0 - 160 PSI

300 0 - 300 PSI

400 0 - 400 PSI

600 0 - 600 PSI

110 0 - 1000 PSI

Case Fill Fluid (11 and 12)

-- No option used

GL Glycerin

MI Mineral oil

VO Vegetable oil

System Fill Fluid (13 and 14)

GL Glycerin

MI Mineral oil

NE Neobee 20

VO Vegetable oil

Special Options (15 and more as necessary)

- No option used

C C of C

T Gauge locking device

A Mill certs

/C NIST cert (instrument)

F Service Tag

C	S	T	G	5	6	7	8	9	#	#	#	#	#
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¹ Typical configurations only. Contact USG Sales for additional materials and options.