

S122/C122/F122 Series 2 Inch Stainless Steel Gauges

High purity applications

- » Stainless steel movement providing precision performance
- » Variety of models and pressure ranges to support specific design needs
- » 316L stainless steel wetted parts
- » Gauges welded in oxygen-free chambers to meet rigid cleanliness and safety guidelines
- » 1 year warranty



Product Description

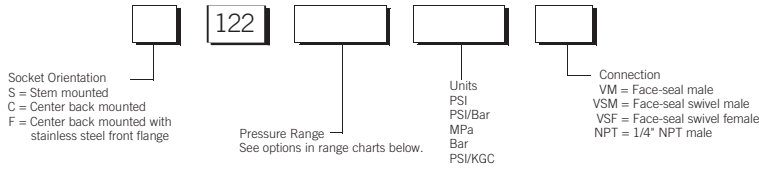
The Celerity S122/C122/F122 series 2 inch stainless steel gauges were designed and developed for the demanding high-purity applications of the semiconductor industry. With an accuracy of 1% of full scale, the 2 inch gauges offer a reliable and efficient way to monitor pressure locally. This durable measuring device comes in a variety of process corrections, pressure ranges, and socket orientations.

Applications

Gas delivery systems and tools used for semiconductor processing, including:

- Bulk gas
- Gas cabinets
- Gas distribution
- Gas panels

Product Configurations



Range	Figure Intervals*	Smallest Interval*	Range	Figure Intervals*	Smallest Interval*
30-0-15	10 in Hg-3 psi	2 in Hg-1 psi	0-30	5	1
30-0-30	10 in Hg-5 psi	2 in Hg-1 psi	0-60	10	2
30-0-60	30 in Hg-10 psi	5 in Hg-2 psi	0-100	20	2
30-0-100	30 in Hg-20 psi	5 in Hg-2 psi	0-160	40	5
30-0-160	10 in Hg-25 psi	10 in Hg-5 psi	0-200	40	5
30-0-200	30 in Hg-40 psi	10 in Hg-5 psi	0-300	50	10
30-0-300	10 in Hg-50 psi	15 in Hg-10 psi			

Range	Figure Intervals*	Smallest Interval*
0-400	100	10
0-600	100	20
0-1000	200	20
0-3000	500	100
0-4000	1000	100

* All figure intervals and smallest interval depicted in this chart represent typical artwork layout and may not be accurate for all gauges.

S122/C122/F122 Series 2 Inch Stainless Steel Gauges Specifications

Socket Orientation

S122 Stem mounted
 C122 Center back mounted
 F122 Center back mounted with stainless steel front flange

Case Material

300 Series Stainless Steel, electropolished

Bezel & Lens Material

One-piece polycarbonate, screw-on

Socket

316L Stainless Steel

Movement

300 Series Stainless Steel

Bourdon Tube

316L Stainless Steel

Proof Pressure

110%

Burst Pressure

400%

Connections

Face-seal male, face-seal swivel male, face-seal swivel female and 1/4" NPT male

Finish

32 Ra standard, 10 Ra optional

Dial

White with black markings.

Accuracy

"Use No Oil" is red

Safety Relief

1% of full scale

Helium Leak Check

Unrestricted rear blow-out plug

Cleaning

4 x 10⁻⁹ Inboard Std. cc/sec
 Cleaned for oxygen service to ANSI B40.1 level IV specifications

Pressure Ranges Available

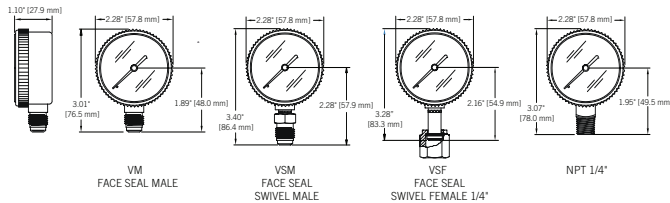
Vacuum to 4,000 PSI (276 bar).

Approximate Shipping Weight

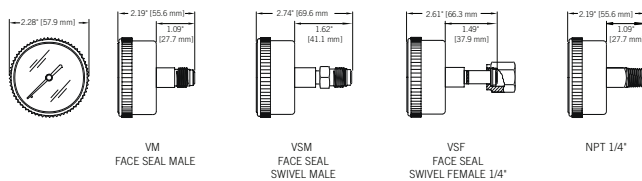
Metric also available. (See chart on the left)
 0.50 lbs (0.23 kg)

Product Dimensions

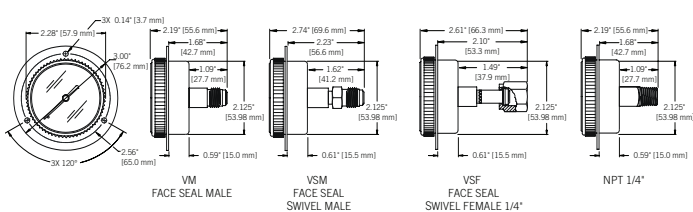
S122



C122



F122



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