

# MARSH<sup>®</sup>

## Capsule Gauges

### Description

Stainless steel case low range capsule gauge  
Models: SSC / CAP ST/CAP  
According to DIN EN 837-3  
Nominal sizes: 63, 100, 160 and 250 mm  
Accuracy: Class 1,6

### Construction

These heavy duty industrial gauges, are manufactured with either a mild steel or aluminum case and bezel, [black epoxy coated], or with a stainless steel case and bezel.

General construction is with a brass, bar type movement, fully adjustable, beryllium copper capsule with brass connection block. Alternatively, for the more aggressive environment, a stainless steel connection and capsule is available

### Operation

Atmospheric is used as the reference pressure. Changes in the measuring pressure causes the capsule to expand, this expansion is in proportion to the applied pressure, this is then transmitted to the instrument pointer by means of a fine precision movement. This is then indicated as a deflection on the gauge dial.

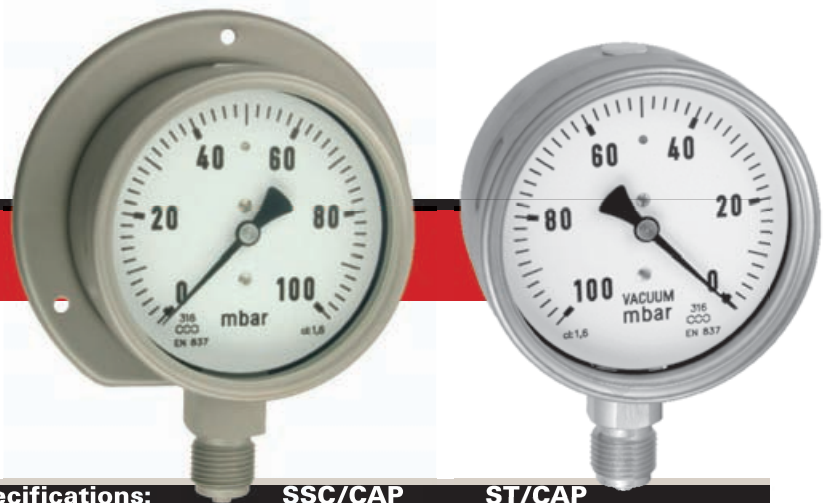
### Features

Rugged stainless steel case construction  
Bayonet locking case and bezel  
Protection to IP54  
Usable at full scale  
Beryllium or stainless steel capsule  
Over-range protection 130% Ranges  
0 - 25 mbar. Up to 0...600 mbar 0 - 10 IN.WG.  
Up to 0...250 IN..WG.

### Application

For use in the measurement of low pressure and vacuum gases, which are compatible with the gauge materials.

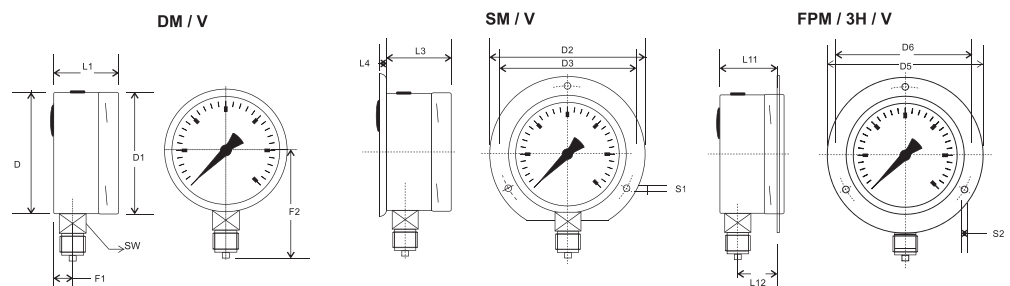
Petrochemical and chemical Food and Beverage Gas Industry Machine and apparatus construction



Specifications:	SSC/CAP		ST/CAP	
Dial Size	63	100	160	250
Construction	Flush fitting bayonet locking case and bezel.			
Measuring Element	Capsule			
Ranges {mbar}	Pressure, vacuum or compound ranges. 0 -25. 40 . 60. 100.			
Over-range limit	130% full scale, short periods			
Process Connection	1/4 npt, 1/2 npt, according to ANSI/ASME B1.20.1 1/4 bsp, 3/8 bsp, 1/2bsp according to EN837			
Material Construction				
Process Connection	Brass or Stainless steel AISI 316L			
Capsule Beryllium	Copper or Stainless steel AISI 316L Case / Bezel ring Stainless steel AISI 304L.			
Window	Instrument glass standard , limited safety glass or acrylic optional			
Dial	Aluminium, black figures on white, optional other colours			
Pointer	Aluminium, black, balanced			
Movement	Brass Optional. Stainless steel 304			
Accuracy	Class 1.6 (1.6% F.S.D.) Optional class 1 (1%)			
Permissible	Degree C			
Ambient Temperature	-15 +50			
Process Temperature	Min. -20 Max +65			
Storage Temperature	-20 +60			
Temperature Effect	Max. 0,3% / 10 Deg C			
Protection	EN 60 529 IP54			
Filling Liquid	N/A			
Mountings	Direct bottom, direct back, surface, flush panel, panel fixing			
Weight dry {kg}	0.3	1.0	1.4	2.6
Accessories	Snubber screw, special dial, red setting pointer, special connection			

All specifications are subject to change without notice

GAUGES WITH BOTTOM CONNECTION



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