

PALMER

Palmer's Fearless All Stainless Steel Gauges feature a vibration and pulsation resistant dampened movement for outstanding performance in demanding applications.



Fearless All Stainless Steel Gauges Model 40SF - 4" Gauge

Palmer Fearless All Stainless Steel Gauges are the highest quality instruments available for gas or liquid media. Their rugged construction and watertight bayonet case/ring design are enhanced by Palmer's Fearless vibration and pulsation resistant Dampened Movement. The result is a Pressure Gauge suitable for demanding applications in all industries.

FEATURES

- Vibration and Pulsation Resistant
- Readings similar to a Liquid Filled Gauge.
- Easy Shipping, Handling, and Storage.
- Long Instrument Life.
- Low Maintenance.
- In Situ Calibration using micro adjustable gear drive pointer.
- AISI Stainless Steel Special Dampened Movement
- Replaceable Window.
- 1/4 turn Bayonet lock removable Bezel Ring.
- Can be liquid filled for extreme applications

Model 40SF Specifications

Case:	AISI 304 Stainless Steel Front 4" (100mm) diameter watertight case
Fill:	Dry or Glycerin Filled. (Dry Gauges can be filled) Silicone Fill Optional.
Ring:	AISI 304 Stainless Steel, Bayonet Bezel Ring
Window:	Safety Glass Standard, Acrylic Optional
Socket:	AISI 316 Stainless Steel Socket and Tube, Argon welded
Connection:	1/2" NPT, 1/4" Optional
Bourdon Tube:	AISI 316 Stainless Steel
Movement:	AISI 304 Stainless Steel special Dampened Movement with wear-resistant, self-lubricating gears
Pointer:	Balanced Black Aluminum. Micrometer adjustable
Dial:	White Aluminum with black markings in accordance with ASME B40.1 -2005
Accuracy:	±1% on ranges below 10,000 ±1.6% on ranges 15,000 and above
Range Availability:	PSI, Metric, and Dual Scales.
Ambient Temperature:	-40° to 185°F (-40° to 85°C)
Process Temperature Limits:	-40° to 176°F (-40° to 80°C). 100°C MAX
Overpressure Limits:	20% of full scale

Note: Autoclave Fitting - is Standard and required on ranges over 25,000# MUST be specified with Code C at time of order, must specify Male or Female fitting.
Blow-Out Disc - if desired, is available for Dry or Glycerin Filled Gauges only. MUST be specified with Code Y at time of order. Contact factory for availability and Lead Times.

Specifications subject to change without notice. Minimum order quantities may apply.



40SF Back of Gauge

Fill Plug

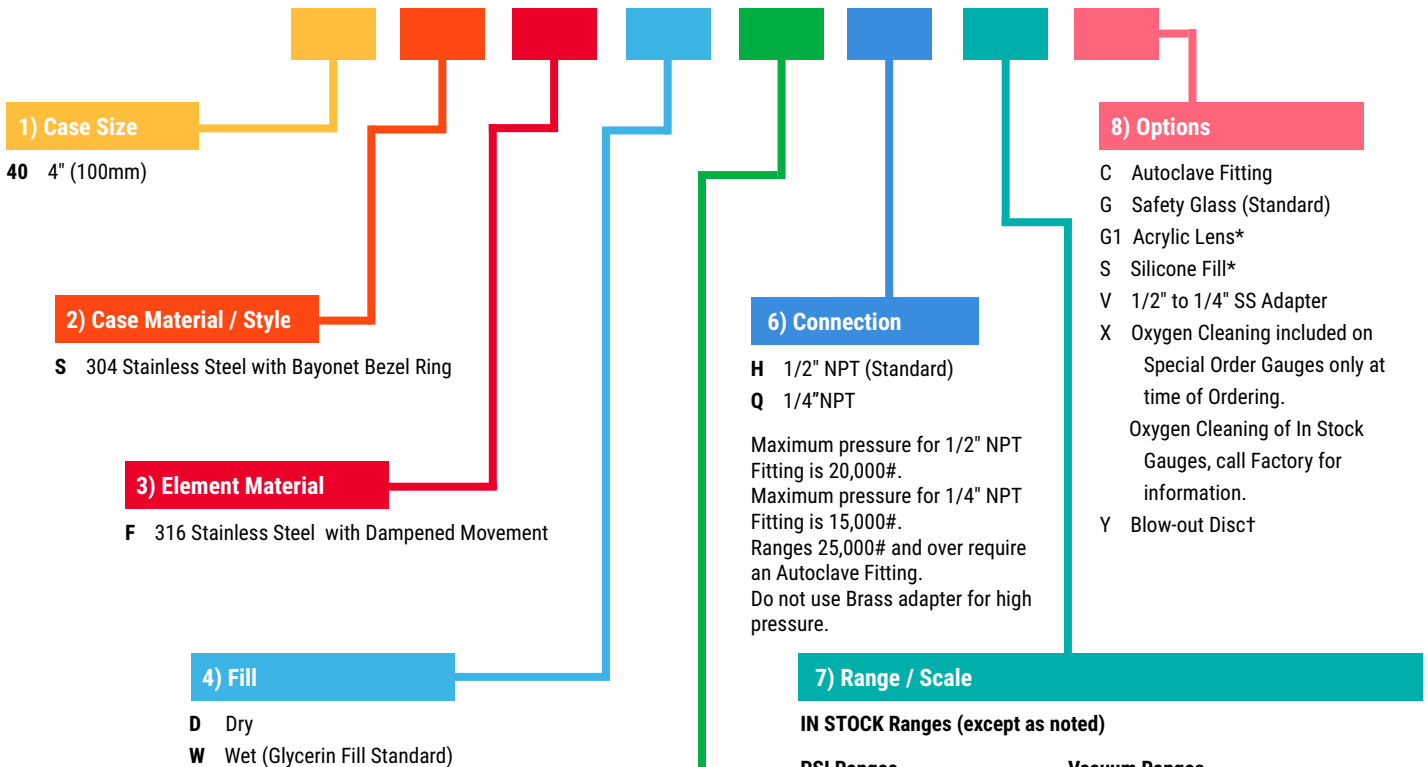
If a Solid Front Gauge is desired, please see Palmer Gauge 45TS.



Dry Wet



Fearless Pressure Gauge Model 40SF Ordering Guide



1) Case Size
40 4" (100mm)

2) Case Material / Style
S 304 Stainless Steel with Bayonet Bezel Ring

3) Element Material
F 316 Stainless Steel with Dampened Movement

4) Fill
D Dry
W Wet (Glycerin Fill Standard)

5) Mounting

- L** Stem Mount, Lower Connected (Standard)
- B** Stem Mount, Back Connected*
- U** Flush Mount, Back Connected, U Clamp*
- F** Flush Mount, Back Connected, Front Flange*
- I** Surface Mount, Lower Connected, Rear Flange*



* Special Order only

Note on all Back Connected Gauges:
1.5", 2" and 2.5" cases are Center Back Connected
4" and 6" Cases are Lower Back Connected

6) Connection

H 1/2" NPT (Standard)
Q 1/4" NPT

Maximum pressure for 1/2" NPT Fitting is 20,000#.
Maximum pressure for 1/4" NPT Fitting is 15,000#.
Ranges 25,000# and over require an Autoclave Fitting.
Do not use Brass adapter for high pressure.

7) Range / Scale
IN STOCK Ranges (except as noted)

PSI Ranges		Vacuum Ranges	
Code	Range	Code	Range
15#	0-15psi*	-30"Hg/0#	-30" Hg/0psi
30#	0-30psi*		
60#	0-60psi*		
100#	0-100psi*		
160#	0-160psi*		
200#	0-200psi		
300#	0-300psi*		
400#	0-400psi		
800#	0-800psi		
1000#	0-1000psi		
1500#	0-1500psi		
2000#	0-2000psi		
3000#	0-3000psi		
4000#	0-4000psi		
5000#	0-5000psi*		
6000#	0-6000psi*		
7500#	0-7500psi		
10,000#	0-10,000psi		
15,000#	0-15,000psi		
20,000#	0-20,000psi		
25,000#	0-25,000psi**		
30,000#	0-30,000psi**		

Compound Ranges

Code	Range
-30"Hg/15#	-30" Hg/0-15psi
-30"Hg/30#	-30" Hg/0-30psi
-30"Hg/60#	-30" Hg/0-60psi
-30"Hg/100#	-30" Hg/0-100psi
-30"Hg/160#	-30" Hg/0-160psi

Metric Scales
-Bar, kg/cm², kPa
Single or Dual Ranges available*

† Note: Autoclave Fitting is Standard and required for ranges 25,000# and over and/or if desired for any other range, MUST be specified with Code Y at time of order, must specify male or female fitting.

Blow-Out Disc, if desired, is available for Dry or Glycerin Filled Gauges only. MUST be specified with Code Y at time of order. Contact us for availability and Lead Times.

* Stock Item
** Must Specify Autoclave Fitting

Please Note: Not all configurations are available! For Special Order Options. Minimum order quantities may apply, and a minimum of 7 weeks lead time.

Example of a typical pressure gauge part number configuration:

