

**StabiliZR™**  
power

Note; RoHS applies to SS and Monel® internals only

### Description & Features:

- StabiliZR™ dampened movement minimizes effects of pulsation and vibration as effectively as liquid filled gauges
- Solid phenolic front and polypropylene pressure relief back safety case
- ±0.5% accuracy
- Stainless steel full rotary movement
- Micrometer adjustable pointer for ease in calibration
- Under and overload stops
- 316L stainless steel or brass wetted parts standard
- Restricted orifice standard on dual scale (optional on single scale)
- ASME B40.100 compliant
- CRN registered
- 5 year warranty

### Applications:

- Ideally suited for process, chemical, petroleum and power industries
- Suitable for non-clogging corrosive media
- Used where operator safety is a requirement
- Processes where pulsation and vibration exist

Specifications	Stainless Steel Internals	Brass Internals
<b>Dial</b>	4.5" (115mm) aluminum with black and red markings	4.5" (115mm) white aluminum with black and red markings
<b>Case</b>	Black phenolic with pressure relief back, solid front, integral back flange	Black phenolic with pressure relief back, solid front, integral back flange
<b>Solid Wall</b>	Phenolic	Phenolic
<b>Pressure Relief Back</b>	Polypropylene	Polypropylene
<b>Window</b>	Polycarbonate	Polycarbonate
<b>Ring</b>	Phenolic	Phenolic
<b>Pointer</b>	Aluminum, anodized black, micrometer adjustable	Aluminum, anodized black, micrometer adjustable
<b>Socket</b>	316L SS	OT 58 brass
<b>Connection</b>	1/4" or 1/2" NPT standard, bottom or back	1/4" NPT or 1/2" NPT standard, bottom or back
<b>Bourdon Tube</b>	316L SS, drawn seamless	Phosphor bronze
<b>Movement</b>	304 SS with under and overload stops and StabiliZR™ dampened movement (silicone in sealed chamber)	304 SS with under and overload stops and StabiliZR™ dampened movement (silicone in sealed chamber)
<b>Gasket Materials</b>	Silicone (Viton® option)	Silicone (Viton® option)
<b>Welding</b>	TIG	Silver alloy
<b>Over-pressure Limit</b>	25% for pressures below 1,500 psi (10,341 kPa), 15% for pressures 1,500 to 8,700 psi (10,341 kPa to 59,984 kPa), 10% for pressures above 8,700 psi (59,984 kPa)	25% for pressures below 1,500 psi (10,341 kPa), 15% for pressures 1,500 to 8,700 psi (10,341 kPa to 59,984 kPa), 10% for pressures above 8,700 psi (59,984 kPa)
<b>Working Pressure</b>	Maximum 75% of full scale value	Maximum 75% of full scale value
<b>Ambient Temperature</b>	-40°F to 200°F (-40°C to 93°C)	-40°F to 250°F (-40°C to 120°C)
<b>Process Temperature</b>	-40°F to 257°F (-40°C to 125°C)	-40°F to 150°F (-40°C to 65°C)
<b>Accuracy</b>	±0.5% ANSI/ASME Grade 2A	±0.5% ANSI/ASME Grade 2A
<b>Enclosure Rating</b>	IP65	IP65

Viton® is a registered trademark of DuPont Performance Elastomers

**Single Scale Order Codes (products in bold are normally stock in North America)  
(products in italics are normally available in 3-5 days)**

Connection	1/4" Bottom	1/4" Back (LB)	1/4" Bottom	1/4" Back (LB)	1/2" Bottom	1/2" Back (LB)
Socket, Tube	Brass		SS			
30" Hg Vac	PPC5080ZRR1	PPC5280ZRR1	PPC5040ZRR1	PPC5340ZRR1	PPC5060ZRR1	PPC5460ZRR1
30"/0/15 psi	PPC5120ZRR1	PPC5220ZRR1	PPC5130ZRR1	PPC5330ZRR1	PPC5140ZRR1	PPC5440ZRR1
30"/0/30 psi	PPC5121ZRR1	PPC5221ZRR1	PPC5131ZRR1	PPC5331ZRR1	PPC5141ZRR1	PPC5441ZRR1
30"/0/60 psi	PPC5122ZRR1	PPC5222ZRR1	PPC5132ZRR1	PPC5332ZRR1	PPC5142ZRR1	PPC5442ZRR1
30"/0/100 psi	PPC5123ZRR1	PPC5223ZRR1	PPC5133ZRR1	PPC5333ZRR1	PPC5143ZRR1	PPC5443ZRR1
30"/0/160 psi	PPC5124ZRR1	PPC5224ZRR1	PPC5134ZRR1	PPC5334ZRR1	PPC5144ZRR1	PPC5444ZRR1
30"/0/200 psi	PPC5125ZRR1	PPC5225ZRR1	PPC5135ZRR1	PPC5335ZRR1	PPC5145ZRR1	PPC5445ZRR1
30"/0/300 psi	PPC5126ZRR1	PPC5226ZRR1	PPC5136ZRR1	PPC5336ZRR1	PPC5146ZRR1	PPC5446ZRR1
0/15 psi	PPC5081ZRR1	PPC5281ZRR1	PPC5041ZRR1	PPC5341ZRR1	PPC5061ZRR1	PPC5461ZRR1
0/30 psi	PPC5082ZRR1	PPC5282ZRR1	PPC5042ZRR1	PPC5342ZRR1	<i>PPC5062ZRR1</i>	PPC5462ZRR1
0/60 psi	PPC5083ZRR1	PPC5283ZRR1	<i>PPC5043ZRR1</i>	PPC5343ZRR1	PPC5063ZRR1	PPC5463ZRR1
0/100 psi	PPC5084ZRR1	PPC5284ZRR1	<i>PPC5044ZRR1</i>	PPC5344ZRR1	PPC5064ZRR1	PPC5464ZRR1
0/160 psi	PPC5085ZRR1	PPC5285ZRR1	<i>PPC5045ZRR1</i>	PPC5345ZRR1	<i>PPC5065ZRR1</i>	PPC5465ZRR1
0/200 psi	PPC5086ZRR1	PPC5286ZRR1	PPC5046ZRR1	PPC5346ZRR1	PPC5066ZRR1	PPC5466ZRR1
0/300 psi	PPC5087ZRR1	PPC5287ZRR1	PPC5047ZRR1	PPC5347ZRR1	<b>PPC5067ZRR1</b>	PPC5467ZRR1
0/400 psi	PPC5088ZRR1	PPC5288ZRR1	PPC5048ZRR1	PPC5348ZRR1	PPC5068ZRR1	PPC5468ZRR1
0/600 psi	PPC5089ZRR1	PPC5289ZRR1	PPC5049ZRR1	PPC5349ZRR1	PPC5069ZRR1	PPC5469ZRR1
0/800 psi	-	-	PPC5058ZRR1	PPC5358ZRR1	PPC5078ZRR1	PPC5478ZRR1
0/1,000 psi	PPC5098ZRR1	PPC5298ZRR1	PPC5050ZRR1	PPC5350ZRR1	PPC5070ZRR1	PPC5470ZRR1
Connection	1/2" Bottom	1/2" Back (LB)	1/4" Bottom	1/4" Back (LB)	1/2" Bottom	1/2" Back (LB)
0/1,000 psi	PPC5188ZRR1	PPC5290ZRR1	PPC5050ZRR1	PPC5350ZRR1	PPC5070ZRR1	PPC5470ZRR1
0/1,500 psi	PPC5091ZRR1	PPC5291ZRR1	PPC5051ZRR1	PPC5351ZRR1	PPC5071ZRR1	PPC5471ZRR1
0/2,000 psi	PPC5092ZRR1	PPC5292ZRR1	PPC5052ZRR1	PPC5352ZRR1	PPC5072ZRR1	PPC5472ZRR1
0/3,000 psi	PPC5093ZRR1	PPC5293ZRR1	PPC5053ZRR1	PPC5353ZRR1	<i>PPC5073ZRR1</i>	PPC5473ZRR1
0/5,000 psi	PPC5094ZRR1	PPC5294ZRR1	PPC5054ZRR1	PPC5354ZRR1	PPC5074ZRR1	PPC5474ZRR1
0/10,000 psi	PPC5095ZRR1	PPC5295ZRR1	PPC5055ZRR1	PPC5355ZRR1	PPC5075ZRR1	PPC5475ZRR1
0/15,000 psi	PPC5096ZRR1	PPC5296ZRR1	PPC5056ZRR1	PPC5356ZRR1	PPC5076ZRR1	PPC5476ZRR1
0/20,000 psi	PPC5097ZRR1	PPC5297ZRR1	PPC5057ZRR1	PPC5357ZRR1	PPC5077ZRR1	PPC5477ZRR1

Note: Restrictor screws are not standard on single scale gauges

Other ranges and connection sizes available upon request. For scale change, refer to How to Order Guide for scale codes. 1/2" NPT brass available on ranges below 1,000 psi.

**For options, attach suffix to end of order code: i.e. PPC5284ZRR1-FMR for FLUSH MOUNTED RING.**

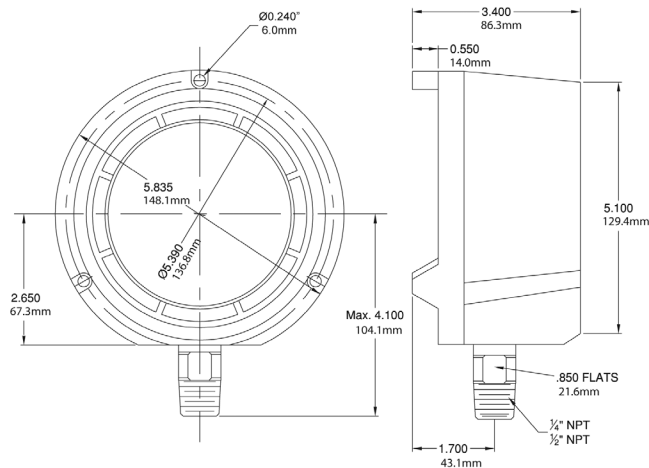
**Option suffix:**

- CS = Carbon steel socket/stainless steel tube
- FMR = Flush mounted ring
- HCSF = 4.5" (115mm) Solid front hinged case (back connection only)

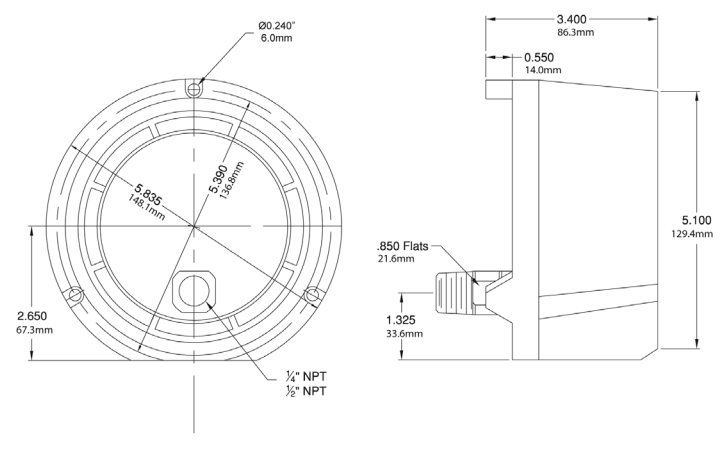
- MS = Monel® tube and socket
- SG-45 = 4.5" (115mm) Safety glass
- REST = Restrictor screw

For WinBRIGHT dial options refer to Custom Dials

**4.5" Bottom Connection**



**4.5" Back Connection**



**Dual Scale Order Codes (products in bold are normally stock in North America)**  
**(products in italics are normally available in 3 - 5 days)**

Connection	1/4" Bottom	1/4" Back (LB)	1/4" Bottom	1/4" Back (LB)	1/2" Bottom	1/2" Back (LB)
Socket, Tube	Brass		SS			
30" Hg Vac/kPa	PPC5080ZR	PPC5280ZR	PPC5040ZR	PPC5340ZR	PPC5060ZR	PPC5460ZR
30"/0/15 psi/kPa	PPC5120ZR	PPC5220ZR	PPC5130ZR	PPC5330ZR	PPC5140ZR	PPC5440ZR
30"/0/30 psi/kPa	PPC5121ZR	PPC5221ZR	PPC5131ZR	PPC5331ZR	PPC5141ZR	PPC5441ZR
30"/0/60 psi/kPa	PPC5122ZR	PPC5222ZR	PPC5132ZR	PPC5332ZR	PPC5142ZR	PPC5442ZR
30"/0/100 psi/kPa	PPC5123ZR	PPC5223ZR	PPC5133ZR	PPC5333ZR	PPC5143ZR	PPC5443ZR
30"/0/160 psi/kPa	PPC5124ZR	PPC5224ZR	PPC5134ZR	PPC5334ZR	PPC5144ZR	PPC5444ZR
30"/0/200 psi/kPa	PPC5125ZR	PPC5225ZR	PPC5135ZR	PPC5335ZR	PPC5145ZR	PPC5445ZR
30"/0/300 psi/kPa	PPC5126ZR	PPC5226ZR	PPC5136ZR	PPC5336ZR	PPC5146ZR	PPC5446ZR
0/15 psi/kPa	<i>PPC5081ZR</i>	PPC5281ZR	PPC5041ZR	PPC5341ZR	PPC5061ZR	PPC5461ZR
0/30 psi/kPa	<i>PPC5082ZR</i>	PPC5282ZR	<i>PPC5042ZR</i>	PPC5342ZR	PPC5062ZR	PPC5462ZR
0/60 psi/kPa	<i>PPC5083ZR</i>	PPC5283ZR	<i>PPC5043ZR</i>	PPC5343ZR	PPC5063ZR	PPC5463ZR
0/100 psi/kPa	<i>PPC5084ZR</i>	PPC5284ZR	<i>PPC5044ZR</i>	PPC5344ZR	PPC5064ZR	PPC5464ZR
0/160 psi/kPa	<i>PPC5085ZR</i>	PPC5285ZR	<i>PPC5045ZR</i>	PPC5345ZR	<b>PPC5065ZR</b>	PPC5465ZR
0/200 psi/kPa	<i>PPC5086ZR</i>	PPC5286ZR	<i>PPC5046ZR</i>	PPC5346ZR	<i>PPC5066ZR</i>	PPC5466ZR
0/300 psi/kPa	<i>PPC5087ZR</i>	PPC5287ZR	<i>PPC5047ZR</i>	PPC5347ZR	<i>PPC5067ZR</i>	PPC5467ZR
0/400 psi/kPa	<i>PPC5088ZR</i>	PPC5288ZR	PPC5048ZR	PPC5348ZR	<i>PPC5068ZR</i>	PPC5468ZR
0/600 psi/kPa	<i>PPC5089ZR</i>	PPC5289ZR	PPC5049ZR	PPC5349ZR	<i>PPC5069ZR</i>	PPC5469ZR
0/800 psi/kPa	PPC5099ZR	PPC5299ZR	PPC5058ZR	PPC5358ZR	PPC5078ZR	PPC5478ZR
0/1,000 psi/kPa	PPC5098ZR	PPC5298ZR	PPC5050ZR	PPC5350ZR	<i>PPC5070ZR</i>	PPC5470ZR
Connection	1/2"	1/2"	1/4"	1/4"	1/2"	1/2"
0/800 psi/kPa	PPC5188ZR	PPC5198ZR	PPC5058ZR	PPC5358ZR	PPC5078ZR	PPC5478ZR
0/1,000 psi/kPa	PPC5090ZR	PPC5290ZR	PPC5050ZR	PPC5350ZR	<i>PPC5070ZR</i>	PPC5470ZR
0/1,500 psi/kPa	PPC5091ZR	PPC5291ZR	PPC5051ZR	PPC5351ZR	<i>PPC5071ZR</i>	PPC5471ZR
0/2,000 psi/kPa	PPC5092ZR	PPC5292ZR	PPC5052ZR	PPC5352ZR	<i>PPC5072ZR</i>	PPC5472ZR
0/3,000 psi/kPa	PPC5093ZR	PPC5293ZR	PPC5053ZR	PPC5353ZR	<i>PPC5073ZR</i>	PPC5473ZR
0/5,000 psi/kPa	PPC5094ZR	PPC5294ZR	PPC5054ZR	PPC5354ZR	<i>PPC5074ZR</i>	PPC5474ZR
0/10,000 psi/kPa	PPC5095ZR	PPC5295ZR	PPC5055ZR	PPC5355ZR	<i>PPC5075ZR</i>	PPC5475ZR
0/15,000 psi/kPa	PPC5096ZR	PPC5296ZR	PPC5056ZR	PPC5356ZR	PPC5076ZR	PPC5476ZR
0/20,000 psi/kPa	PPC5097ZR	PPC5297ZR	PPC5057ZR	PPC5357ZR	PPC5077ZR	PPC5477ZR

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SG-45 = 4.5" (115mm) Safety glass  
 HCSF = 4.5" (115mm) Solid front hinged case (back connection only)

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