

# Rotameter Bubbler Gauge



## 5993 SERIES

- Provides continuous indication of liquid level
- Remote reading volume, depth or weight
- Accurate, reliable, proven technique
- Low cost installation, easy to maintain
- All pneumatic (non-electrical) operation

### APPLICATIONS

- Tank level indication
- Marine
  - Tank level, draft monitoring and vessel management
  - Ballast water
  - Fuel oil
  - Fresh water
  - Lube oil
  - Brine
  - Preload
  - Holding

### SPECIFICATIONS

|                                  |   |                                 |
|----------------------------------|---|---------------------------------|
| <b>Operation principle</b>       | Well-type manometer acts as a frictionless hydrostatic force-balance. A liquid fill is raised in direct proportion to the magnitude of pressure applied. (Varies based on type of indicating liquid employed) |                                 |
| <b>Resolution</b>                | Infinite based on type of indicating liquid employed.   |                                 |
| <b>Input connection(s)</b>       | 1/4" NPT tapped connection for typical tube fittings. Accepts pneumatic air/gas pressure input; high and low pressure inputs.   |                                 |
| <b>Materials of construction</b> | Formed channel indicator housing; brushed Stainless Steel (Type 304). Heavy plate glass window; acrylic plastic window available as special order.  |                                 |
| <b>Wetted parts</b>              | 316 Stainless Steel liquid well and tubing  |                                 |
| <b>Indicating tube</b>           | High strength, fully annealed glass (Pyrex®)  |                                 |
| <b>Compressed air supply</b>     | Compressed air supply that is clean dry and oil-free is required for operation of the system. Under normal operating conditions, supply pressure required is 55-60 psig.                                      |                                 |
| <b>Scale ranges</b>              | 20", 35", 43", 51", 66"   |                                 |
| <b>Dimensions (inches)</b>       | <b>Range</b>  | <b>Overall Dim. (H x W x D)</b> |
|                                  | 20  | 29" x 4-3/8" x 2-7/8"           |
|                                  | 35  | 45" x 4-3/8" x 2-7/8"           |
|                                  | 43  | 53" x 4-3/8" x 2-7/8"           |
|                                  | 51  | 61" x 4-3/8" x 2-7/8"           |
|                                  | 66  | 77" x 4-3/8" x 2-7/8"           |

\* Unregulated

\*\* ®Pyrex is a registered trademark of Corning, Inc.



| ORDERING INFORMATION |                               |   |
|----------------------|-------------------------------|---|
| SERIES               | 5993S Rotameter Bubbler Gauge |   |
| SCALES               | 20                            | Stainless Steel case, 20" scale, 1 unit |
|                      | 35                            | Stainless Steel case, 35" scale, 1 unit |
| LIQUID*              | 43                            | Stainless Steel case, 43" scale, 1 unit |
|                      | 51                            | Stainless Steel case, 51" scale, 1 unit |
| R Red liquid         |                               |   |

\* Red Liquid 2.94 sp. gr.; scale factor = 0.337

**NOTE:** Scale information must be supplied when order is placed. Package includes overflow check valve and Swagelok fitting (3/8" tube × 1/4 NPT) compatible with copper or poly tubing.

EXAMPLE

5993S - 35 R

Series

Scale

Liquid

5993 Series

Stainless Steel case, 35" scale, 1 unit

Red liquid

