**Data Sheet**
DS-VA-1350E-eng
August, 2012



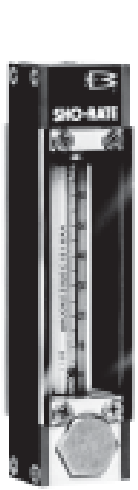
# Sho-Rate™ "50" Model 1350E and Sho-Rate™ "150" Model 1355E

## FEATURES AND BENEFITS

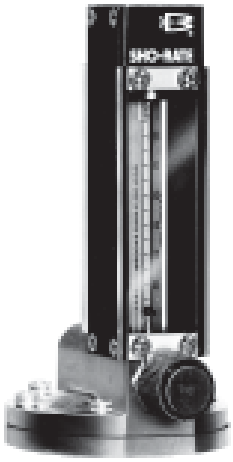
- Heavy-wall, precision bore, borosilicate glass metering tubes
- A wide range of scales on the metering tube with contrasting background for easy readability
- Tubes sealed on compression gasket by threaded seal spindle
- Tubes removable without disconnecting instrument
- Integral float stops prevent loss of float during tube removal
- Interchangeable tubes and floats

## DESCRIPTION

The Sho-Rate 1350 and 1355 Series of low flow indicators provides a cost-effective means of flow indication for both 5% (Model 1355) and 10% (Model 1350) accuracy requirements. Available options include the Standard or NRS™ integral needle control valves, as well as flow controllers on the inlet or outlet.

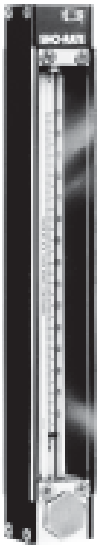


*Model 1350E Sho-Rate "50" (No valve)*



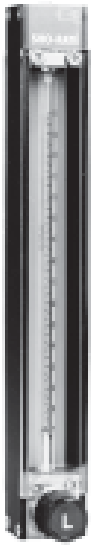
*Model 1350E-8800 Sho-Rate "50" with optional integral flow controller*

*Model 1350E Sho-Rate "50" with optional needle valve*



*Model 1355E Sho-Rate "150" (No valve)*

*Model 1355E-8800 Sho-Rate "150" with optional integral flow controller*



*Model 1355E Sho-Rate "150" with optional needle valve*

## SPECIFICATIONS

### Capacities

1350 Series: Refer to Tables 1, or 2 and 3
1355 Series: Refer to Tables 2 and 3, or 4

### Accuracy

1350 Series Standard: Accuracy of ±10% of full scale
1355 Series Standard: ±5% of full scale

### Repeatability

0.5% full scale

### Pressure Equipment Directive (97/23/EC)

Note: Equipment falls under Sound Engineering Practice (SEP) according to the directive.

### Pressure/Temperature

200 psig at 33°F to 250°F (1°C to 121°C)
170 psig at 33°F to 250°F (1°C to 121°C)(CRN Certification)

### Pressure Drop

Inquire at factory

### Flow Meter Assembly

### Scales

**1350 Series:**
Length: 65 mm, nominal
Graduations: Standard: R-65mm, or R-100 linear reference scale with air or water calibration table.



BROOKS® INSTRUMENT

# Models 1350E and 1355E

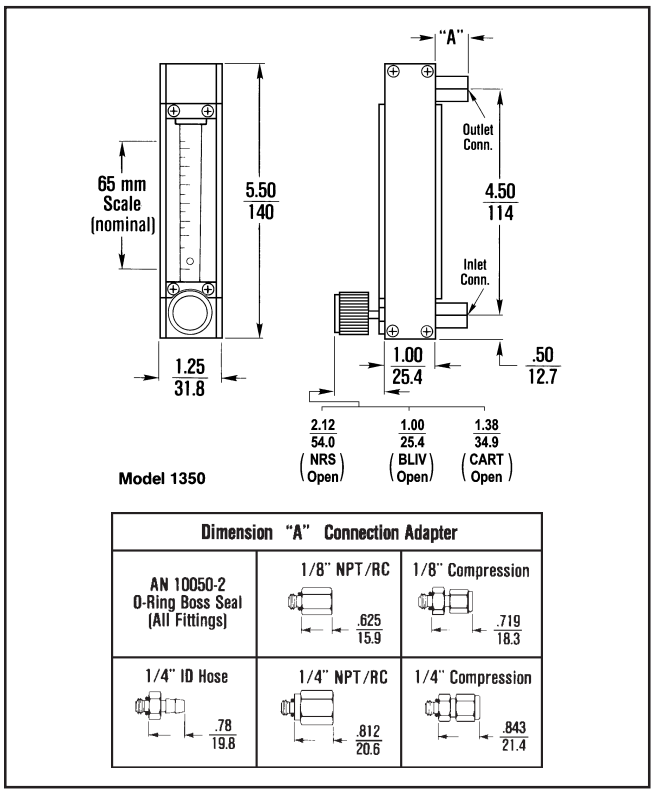



*Figure 1 Dimensions - Sho-Rate 1350E*

**1355 Series:**
Length: 150mm, nominal
Graduations: Standard: R-150 mm, or R-100 linear reference scale with air or water calibration table. Optional: for either 65 mm or 150 mm direct reading scale, ceramic ink fused on glass tube or metal scale plate mounted beside tube
Type: Standard: Ceramic ink fused on meter tube with contrasting yellow background

**Materials of Construction**
**Metering Tubes:** Borosilicate glass

**Floats:** Glass, 316 stainless steel, sapphire, Carboloy®, tantalum

**Structural Members:**
**End fittings:** Chrome plated brass, black anodized aluminum, 316 stainless steel

**Side Plates:**
**Standard:** Black anodized aluminum
**Optional:** 316 stainless steel

**Window:** Clear polycarbonate; Back Window: Milk white polycarbonate

**Float Stops:**
**Standard:** Teflon®
**Optional:** 316 Stainless Steel

**Tube Packing:**
**Standard:** Buna-N (Brass and aluminum meters), Viton-A® fluoroelastomers (316 stainless steel meters)
**Optional:** Teflon, EPM (also known as EPR)

**O-rings:**
**Standard:** Buna-N (Brass and aluminum meters), Viton-A fluoroelastomers (316 stainless steel meters)
**Optional:** Teflon (not available with needle valves), EPM, Kalrez®

**Connections**
**Standard:** Horizontal female 1/8" NPT threaded adapters with locknuts for front of panel mounting

**Dimensions**
Refer to Figures 1, 2 and 4

**Optional Equipment**
Standard integral flow control valve on inlet or outlet (See DS-VA-CART-eng).

NRS integral flow control valve on inlet or outlet (See DS-VA-8503-eng). These valves are particularly suitable for precise control requirements, and are recommended for flow rates below 500 sccm of Air (@STP) or 10 cc/min water.

Flush mounting bezels in aluminum

Threaded adapters and locknuts for front of panel mounting (standard with 1/8" NPT)
1/8" and 1/4" compression fittings
1/4" female NPT connections
1/4" ID serrated hose connections
Base plates, without level

**Ordering Information** (Refer to Table 5)

1. Model
2. Size, connections, type
3. Quantity required
4. Fluid
5. Minimum, normal and maximum operating temperature
6. Minimum, normal and maximum operating pressure (inlet and outlet)
7. Minimum, normal and maximum flow rate
8. Materials of construction
   a. End fittings
   b. Side plates
   c. Bezel
   d. Elastomers
9. Fluid
10. Fluid specific gravity
11. Fluid viscosity
12. Unusual system conditions (For ranges and pressure drops other than those listed, consult factory).
13. Optional equipment
    a. Valve type and location
    b. Flow controller and type

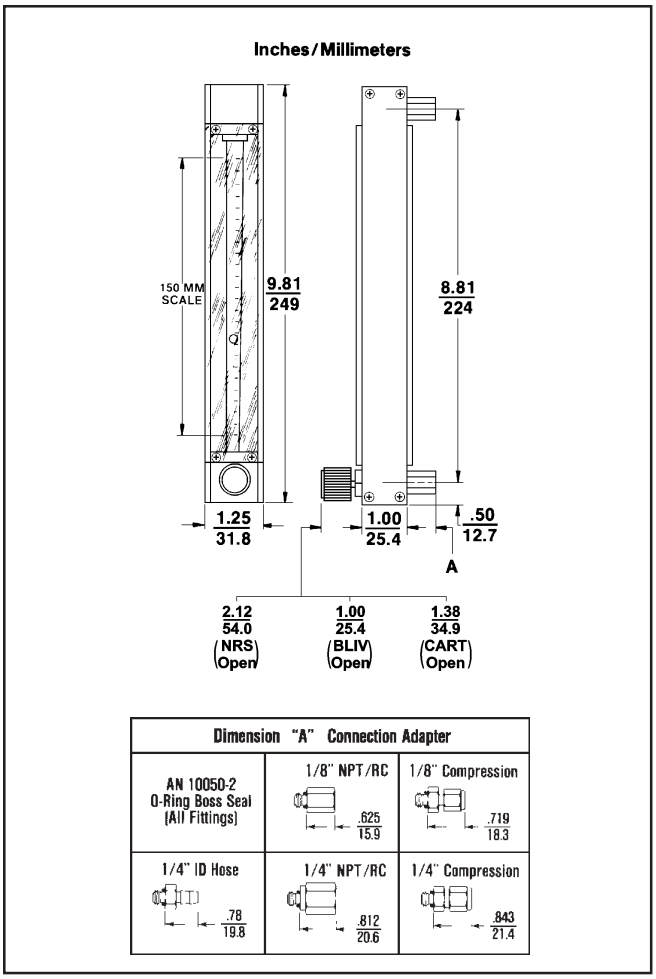
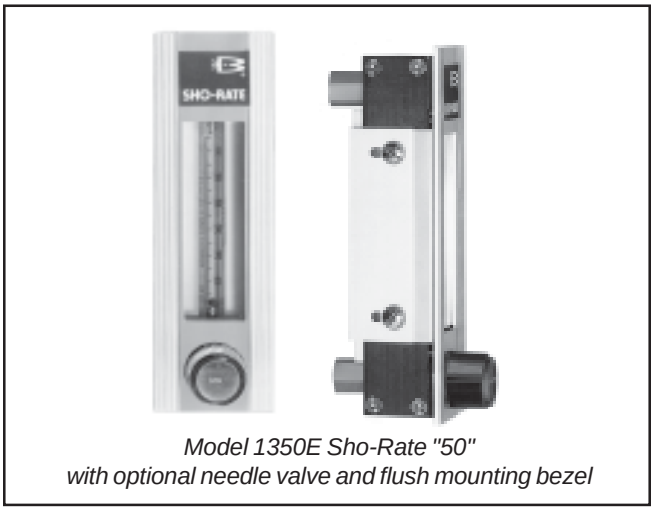


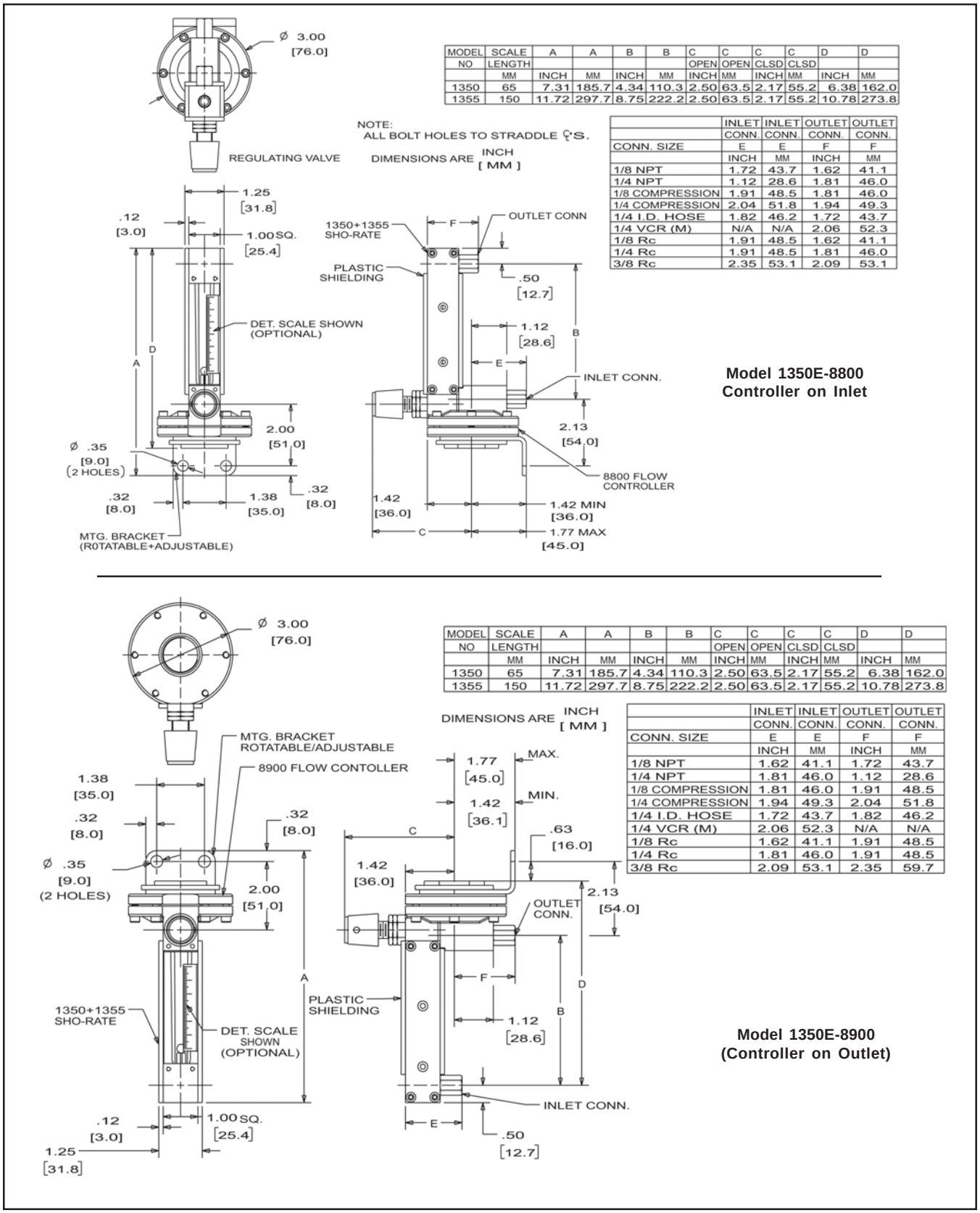

*Figure 2 Dimensions - Sho-Rate 1355E*




*Model 1350E Sho-Rate "50"*
*with optional needle valve and flush mounting bezel*

*Figure 3 Optional Equipment*

# Models 1350E and 1355E




| MODEL NO | SCALE LENGTH | A | A | B | B | C | C | C | C | D | D |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | OPEN | OPEN | CLSD | CLSD | | |
| | MM | INCH | MM | INCH | MM | INCH | MM | INCH | MM | INCH | MM |
| 1350 | 65 | 7.31 | 185.7 | 4.34 | 110.3 | 2.50 | 63.5 | 2.17 | 55.2 | 6.38 | 162.0 |
| 1355 | 150 | 11.72 | 297.7 | 8.75 | 222.2 | 2.50 | 63.5 | 2.17 | 55.2 | 10.78 | 273.8 |

| CONN. SIZE | INLET CONN. E | INLET CONN. E | OUTLET CONN. F | OUTLET CONN. F |
|---|---|---|---|---|
| | INCH | MM | INCH | MM |
| 1/8 NPT | 1.72 | 43.7 | 1.62 | 41.1 |
| 1/4 NPT | 1.12 | 28.6 | 1.81 | 46.0 |
| 1/8 COMPRESSION | 1.91 | 48.5 | 1.81 | 46.0 |
| 1/4 COMPRESSION | 2.04 | 51.8 | 1.94 | 49.3 |
| 1/4 I.D. HOSE | 1.82 | 46.2 | 1.72 | 43.7 |
| 1/4 VCR (M) | N/A | N/A | 2.06 | 52.3 |
| 1/8 Rc | 1.91 | 48.5 | 1.62 | 41.1 |
| 1/4 Rc | 1.91 | 48.5 | 1.81 | 46.0 |
| 3/8 Rc | 2.35 | 53.1 | 2.09 | 53.1 |

| MODEL NO | SCALE LENGTH | A | A | B | B | C | C | C | C | D | D |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | OPEN | OPEN | CLSD | CLSD | | |
| | MM | INCH | MM | INCH | MM | INCH | MM | INCH | MM | INCH | MM |
| 1350 | 65 | 7.31 | 185.7 | 4.34 | 110.3 | 2.50 | 63.5 | 2.17 | 55.2 | 6.38 | 162.0 |
| 1355 | 150 | 11.72 | 297.7 | 8.75 | 222.2 | 2.50 | 63.5 | 2.17 | 55.2 | 10.78 | 273.8 |

| CONN. SIZE | INLET CONN. E | INLET CONN. E | OUTLET CONN. F | OUTLET CONN. F |
|---|---|---|---|---|
| | INCH | MM | INCH | MM |
| 1/8 NPT | 1.62 | 41.1 | 1.72 | 43.7 |
| 1/4 NPT | 1.81 | 46.0 | 1.12 | 28.6 |
| 1/8 COMPRESSION | 1.81 | 46.0 | 1.91 | 48.5 |
| 1/4 COMPRESSION | 1.94 | 49.3 | 2.04 | 51.8 |
| 1/4 I.D. HOSE | 1.72 | 43.7 | 1.82 | 46.2 |
| 1/4 VCR (M) | 2.06 | 52.3 | N/A | N/A |
| 1/8 Rc | 1.62 | 41.1 | 1.91 | 48.5 |
| 1/4 Rc | 1.81 | 46.0 | 1.91 | 48.5 |
| 3/8 Rc | 2.09 | 53.1 | 2.35 | 59.7 |

*Figure 4 Dimensions - Sho-Rate 1350E & 1355E with Integral Flow Controller*

*Table 1 Capacities for Sho-Rate Model 1350E Rib Guided Tubes, Spherical Floats*

| | RIBBED TUBES, SPHERICAL FLOATS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| METER SIZE | TUBE NO. | FLOAT MATERIAL | MAXIMUM FLOW RATE | | | | | | | | |
| | | | WATER | | | | | AIR* | | | |
| | | | GPH | CODE | LPH | CODE | | SCFH | CODE | NLPH | CODE |
| 2 | R-2-65-A | GLASS | 0.011 | JB6 | 0.042 | JB9 | | 0.13 | JB7 | 3.4 | JB8 |
| | | SAPPHIRE | 0.022 | JC4 | 0.085 | JC2 | | 0.18 | JC3 | 5.0 | JC1 |
| | | STN. STL. | 0.046 | JC8 | 0.18 | JC5 | | 0.34 | JC7 | 9.0 | JC6 |
| | | CARBOLOY | 0.10 | JB4 | 0.38 | JB5 | | 0.65 | JB2 | 17.0 | JB3 |
| | | TANTALUM | 0.11 | JD2 | 0.42 | JC9 | | 0.70 | JD1 | 19.0 | JD3 |
| | R-2-65-B | GLASS | 0.013 | KB8 | 0.048 | KB2 | | 0.15 | KB7 | 4.0 | KB9 |
| | | SAPPHIRE | 0.026 | KC1 | 0.10 | KD3 | | 0.22 | KC2 | 5.5 | KC3 |
| | | STN. STL. | 0.06 | KC5 | 0.22 | KC6 | | 0.42 | KC7 | 11.0 | KC8 |
| | | CARBOLOY | 0.12 | KB4 | 0.48 | KB5 | | 0.80 | KB3 | 22.0 | KB6 |
| | | TANTALUM | 0.13 | KD2 | 0.50 | KD5 | | 0.85 | KD4 | 22.0 | KD1 |
| | R-2-65-C | GLASS | 0.11 | LB9 | 0.42 | LB7 | | 0.95 | LB6 | 24.0 | LB8 |
| | | SAPPHIRE | 0.15 | LC1 | 0.6 | LC2 | | 1.3 | LC3 | 34.0 | LC4 |
| | | STN. STL. | 0.38 | LC7 | 1.4 | LC8 | | 2.0 | LC9 | 50.0 | LC6 |
| | | CARBOLOY | 0.65 | LB3 | 2.4 | LB2 | | 3.0 | LB4 | 80.0 | LB5 |
| | | TANTALUM | 0.65 | LD1 | 2.6 | LD2 | | 3.2 | LD3 | 85.0 | LD4 |
| | R-2-65-D | GLASS | 0.65 | MB9 | 2.4 | MB7 | | 3.8 | MB8 | 100 | MC1 |
| | | SAPPHIRE | 0.95 | MC2 | 3.6 | MC3 | | 5.0 | MC4 | 130 | MC5 |
| | | STN. STL. | 1.60 | MC7 | 6.0 | MD1 | | 7.5 | MC6 | 200 | MC8 |
| | | CARBOLOY | 2.40 | MB5 | 9.0 | MB2 | | 11.0 | MB3 | 280 | MB4 |
| | | TANTALUM | 2.60 | MD5 | 10.0 | MD6 | | 12.0 | MD2 | 300 | MD4 |
| 6 | R-6-65-A | GLASS | 2.40 | NB8 | 8.5 | NB7 | | 13.0 | NC1 | 340 | NB9 |
| | | SAPPHIRE | 3.40 | NC4 | 13.0 | NC3 | | 17.0 | NC6 | 460 | NC5 |
| | | STN. STL. | 5.50 | ND1 | 20.0 | ND3 | | 26.0 | NC9 | 650 | ND2 |
| | | CARBOLOY | 8.50 | NB2 | 32.0 | NB3 | | 36.0 | NB5 | 950 | NB6 |
| | | TANTALUM | 9.0 | ND6 | 34.0 | ND5 | | 38.0 | ND7 | 1000 | ND4 |
| | R-6-65-B | GLASS | 8.0 | PB9 | 30.0 | PB8 | | 44.0 | PC1 | 1100 | PB7 |
| | | SAPPHIRE | 12.0 | PC5 | 44.0 | PC3 | | 60.0 | PC4 | 1500 | PC2 |
| | | STN. STL. | 19.0 | PD1 | 70.0 | PC9 | | 85.0 | PC8 | 2200 | PC6 |
| | | CARBOLOY | 28.0 | PB3 | 100 | PB2 | | 130 | PB6 | 3400 | PB4 |
| | | TANTALUM | 30.0 | PD7 | 110 | PD6 | | 140 | PD5 | 3600 | PD4 |

*** FLOW RATES GIVEN ARE MAXIMUM VALUES. AIR FLOWS ARE AT 14.7 PSIA AND 70 DEGREES F.**

*Table 2 Tube and Float Code, Detachable Scale Option, 1st Digit*

| FIRST DIGIT FOR DETACHABLE SCALE CONFIGURATION | | |
|---|---|---|
| CODE | MODEL 1350 TUBE | MODEL 1355 TUBE |
| A | | R-2-15-A |
| B | | R-2-15-AA |
| C | | |
| D | | R-2-15-B |
| E | | R-2-15-C |
| F | | R-2-15-D |
| G | | R-6-15-A |
| H | | R-6-15-B |
| J | R-2-65-A | R-2-15-AAAA |
| K | R-2-65-B | |
| L | R-2-65-C | |
| M | R-2-65-D | |
| N | R-6-65-A | |
| P | R-6-65-B | |
| Y | NO TUBE | NO TUBE |

*Table 3 Tube and Float Code, Detachable Scale Option, 2nd & 3rd Digits*

| SECOND AND THIRD DIGITS FOR DETACHABLE SCALE CONFIGURATION | | | |
|---|---|---|---|
| | | DETACHABLE SCALE INSCRIPTION | |
| METER ACCURACY | FLOAT MATERIAL | SPECIAL SINGLE SCALE | SPECIAL DUAL SCALE |
| STANDARD (1350-10%) (1355- 5%) | GLASS | 2A | 2N |
| | STN. STL. | 2B | 2P |
| | SAPPHIRE | 2C | 2Q |
| | CARBOLOY | 2D | 2R |
| | TANTALUM | 2E | 2S |
| CALIBRATED (1350-5%) (1355-2%) | GLASS | 2G | 2U |
| | STN. STL. | 2H | 2V |
| | SAPPHIRE | 2J | 2W |
| | CARBOLOY | 2K | 2X |
| | TANTALUM | 2L | 2Y |

*Table 4 Capacities for Sho-Rate Model 1355E Rib Guided Tubes, Spherical Floats*

| CAPACITIES (RIB GUIDE TUBES, SPHERICAL FLOATS) - FOR USE WITH 1355 SERIES ONLY | | | | | | |
|---|---|---|---|---|---|---|
| | | | MAXIMUM FLOW RATE * | | MODEL CODE - SCALE ON TUBE | |
| METER SIZE | TUBE NO. | FLOAT MATERIAL | WATER (CC/MIN.) | AIR | 0-150 MM | 0-100 LINEAR |
| 2 | R-2-15-AAAA | GLASS | 0.59 | 50 SCC/M | JA6 | JA1 |
| | | SAPPHIRE | 1.1 | 79 SCC/M | JA8 | JA3 |
| | | STN. STL. | 2.6 | 150 SCC/M | JA7 | JA2 |
| | | CARBOLOY | 5.2 | 280 SCC/M | JA9 | JA4 |
| | | TANTALUM | 5.8 | 310 SCC/M | JB1 | JA5 |
| | R-2-15-AA | GLASS | 1.11 | 88 SCC/M | BA6 | BA1 |
| | | SAPPHIRE | 2.15 | 136 SCC/M | BA8 | BA3 |
| | | STN. STL. | 4.93 | 258 SCC/M | BA7 | BA2 |
| | | CARBOLOY | 9.33 | 439 SCC/M | BA9 | BA4 |
| | | TANTALUM | 10.4 | 478 SCC/M | BB1 | BA5 |
| | R-2-15-D | GLASS | 5.75 | 380 SCC/M | FA6 | FA1 |
| | | SAPPHIRE | 10.5 | 518 SCC/M | FA8 | FA3 |
| | | STN. STL. | 20.6 | 832 SCC/M | FA7 | FA2 |
| | | CARBOLOY | 33.2 | 1240 SCC/M | FA9 | FA4 |
| | | TANTALUM | 35.9 | 1320 SCC/M | FB1 | FA5 |
| | R-2-15-A | GLASS | 16.6 | .83 SLPM | AA6 | AA1 |
| | | SAPPHIRE | 26.3 | 1.1 SLPM | AA8 | AA3 |
| | | STN. STL. | 46.2 | 1.69 SLPM | AA7 | AA2 |
| | | CARBOLOY | 70.8 | 2.44 SLPM | AA9 | AA4 |
| | | TANTALUM | 75.9 | 2.6 SLPM | AB1 | AA5 |
| | R-2-15-B | GLASS | 52.8 | 2.37 SLPM | DA6 | DA1 |
| | | SAPPHIRE | 79.7 | 3.08 SLPM | DA8 | DA3 |
| | | STN. STL. | 133 | 4.7 SLPM | DA7 | DA2 |
| | | CARBOLOY | 199 | 6.7 SLPM | DA9 | DA4 |
| | | TANTALUM | 212 | 7.1 SLPM | DB1 | DA5 |
| | R-2-15-C | GLASS | 84.6 | 3.9 SLPM | EA6 | EA1 |
| | | SAPPHIRE | 129 | 5.1 SLPM | EA8 | EA3 |
| | | STN. STL. | 218 | 7.6 SLPM | EA7 | EA2 |
| | | CARBOLOY | 326 | 10.6 SLPM | EA9 | EA4 |
| | | TANTALUM | 349 | 11.3 SLPM | EB1 | EA5 |
| 6 | R-6-15-A | GLASS | 200 | 8.7 SLPM | GA6 | GA1 |
| | | SAPPHIRE | 297 | 11.2 SLPM | GA8 | GA3 |
| | | STN. STL. | 493 | 16.6 SLPM | GA7 | GA2 |
| | | CARBOLOY | 726 | 23.2 SLPM | GA9 | GA4 |
| | | TANTALUM | 772 | 24.6 SLPM | GB1 | GA5 |
| | R-6-15-B | GLASS | 573 | 23.9 SLPM | HA6 | HA1 |
| | | SAPPHIRE | 851 | 30.2 SLPM | HA8 | HA3 |
| | | STN. STL. | 1350 | 43.8 SLPM | HA7 | HA2 |
| | | CARBOLOY | 1950 | 61.2 SLPM | HA9 | HA4 |
| | | TANTALUM | 2060 | 64.7 SLPM | HB1 | HA5 |

NOTE: ALL AIR FLOWS ARE AT 14.7 PSIA AND 70 DEGREES F.

*FLOW RATES SHOWN ARE MAXIMUM CAPACITIES. DIRECT READ SCALES MAY END AT SLIGHTLY DIFFERENT MAXIMUM FLOWS.

*Table 5 Ordering Information and Model Code*

| MODEL | PURGE FLOWMETER |
|---|---|
| 1350E | 65 MM TUBE, SIZES 2-6 |
| 1355E | 150 MM TUBE, SIZES 2-6 |

| CODE | TUBE, SCALE AND FLOAT |
|---|---|
| ___ | MODEL 1350 OR 1355 DETACHABLE SCALE - SEE TABLES 2 & 3 |
| ___ | MODEL 1350 - SEE TABLE 1 |
| ___ | MODEL 1355 - SEE TABLE 4 |

| CODE | TUBE PACKING | O-RING MATERIAL (METER/VALVE ASSEMBLY) |
|---|---|---|
| A | BUNA -N | BUNA-N (STD FOR ALUMINUM AND BRASS METERS) |
| B | VITON | BUNA-N |
| C | VITON | VITON (STD FOR STN. STL. METERS) |
| D | VITON | TEFLON/KALREZ (KALREZ O-RINGS IN VALVE OR CONTROLLER) |
| E | VITON | EPM |
| F | VITON | KALREZ |
| G | TEFLON | BUNA-N |
| H | TEFLON | VITON |
| J | TEFLON | TEFLON/KALREZ (KALREZ O-RINGS IN VALVE OR CONTROLLER) |
| K | TEFLON | EPM |
| L | TEFLON | KALREZ |
| M | EPM | EPM |
| N | BUTYL | BUTYL |
| P | NO PACKING | BUNA-N |
| Q | NO PACKING | VITON |
| R | NO PACKING | TEFLON/KALREZ (KALREZ O-RINGS IN VALVE OR CONTROLLER) |
| S | NO PACKING | EPM |
| T | NO PACKING | KALREZ |
| U | NO PACKING | BUTYL |

| CODE | FITTING AND ADAPTER MATERIAL/PROCESS CONNECTION SIZE AND TYPE |
|---|---|
| A | BRASS/ 1/8" NPT |
| D | BRASS/ THD 1/8" NPT WITH LOCKNUTS (STANDARD) |
| G | BRASS/ 1/4" NPT (STD WITH FLOW CONTROLLER) |
| L | BRASS/ THD 1/4" NPT WITH LOCKNUTS |
| P | BRASS/ 1/8" COMPRESSION |
| S | BRASS/ THD 1/8" COMPRESSION WITH LOCKNUTS |
| V | BRASS/ 1/4" COMPRESSION |
| Y | BRASS/ THD 1/4" COMPRESSION WITH LOCKNUTS |
| 2 | BRASS/ 1/4" I.D. HOSE |
| 5 | BRASS/ NO ADAPTOR-INTEGRAL 5/16-24 THD |
| E | ALUMINUM/ THD 1/8" NPT WITH LOCKNUTS (STANDARD) |
| H | ALUMINUM/ 1/4" NPT (STD WITH FLOW CONTROLLER) |
| 6 | ALUMINUM/ NO ADAPTOR-INTEGRAL 5/16-24 THD |
| C | 316 STAINLESS STEEL/ 1/8" NPT |
| F | 316 STAINLESS STEEL/ THD 1/8" NPT WITH LOCKNUTS (STANDARD) |
| J | 316 STAINLESS STEEL/ 1/4" NPT (STD WITH FLOW CONTROLLER) |
| N | 316 STAINLESS STEEL/ THD 1/4" NPT WITH LOCKNUTS |
| R | 316 STAINLESS STEEL/ 1/8" COMPRESSION |
| U | 316 STAINLESS STEEL/ THD 1/8 COMPRESSION WITH LOCKNUTS |
| X | 316 STAINLESS STEEL/ 1/4" COMPRESSION |
| 1 | 316 STAINLESS STEEL/ THD 1/4" COMPRESSION WITH LOCKNUTS |
| 4 | 316 STAINLESS STEEL/ 1/4" I.D. HOSE |
| 7 | 316 STAINLESS STEEL/ NO ADAPTER INTEGRAL 5/16-24 THD |
| 8 | 316 STAINLESS STEEL/ 1/4" VCR |
| T | 316 STAINLESS STEEL/ THD 1/8" Rc WITH LOCKNUTS |
| W | 316 STAINLESS STEEL/ THD 1/4" Rc WITH LOCKNUTS |
| 3 | 316 STAINLESS STEEL/ THD 3/8" Rc WITH LOCKNUTS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1350E | LC7 | C | F | A | 1 | A | TYPICAL MODEL CODE |

# Models 1350E and 1355E

*Table 5 Ordering Information and Model Code Continued*

| CODE | VALVE TYPE |
|---|---|
| A | VALVE PLUG |
| B | STANDARD VALVE - BRASS - LOW FLOW |
| C | STANDARD VALVE - BRASS - MEDIUM FLOW |
| D | STANDARD VALVE - BRASS - HIGH FLOW |
| E | STANDARD VALVE - 316 STAINLESS STEEL - LOW FLOW |
| F | STANDARD VALVE - 316 STAINLESS STEEL - MEDIUM FLOW |
| G | STANDARD VALVE - 316 STAINLESS STEEL - HIGH FLOW |
| H | NRS-BRASS #1 |
| J | NRS-BRASS #2 |
| K | NRS-BRASS #3 |
| L | NRS-BRASS #4 |
| M | NRS-BRASS #5 |
| N | NRS-BRASS #6 |
| P | NRS - 316 STAINLESS STEEL #1 |
| Q | NRS - 316 STAINLESS STEEL #2 |
| R | NRS - 316 STAINLESS STEEL #3 |
| S | NRS - 316 STAINLESS STEEL #4 |
| T | NRS - 316 STAINLESS STEEL #5 |
| U | NRS - 316 STAINLESS STEEL #6 |
| V | TO INTEGRALLY MOUNTED FLOW CONTROLLER (NOTE 1 & NOTE 2) |
| W | STANDARD VALVE CAVITY - NO VALVE ASSEMBLY OR PLUG |
| X | NO VALVE CAVITY (Must use Code 9 below for Valve Cavity Location) KYNAR ONLY |
| 1 | C-VALVE - 316 STAINLESS STEEL - LOW FLOW - SPECIAL |
| 2 | C-VALVE - 316 STAINLESS STEEL - MEDIUM FLOW - SPECIAL |
| 3 | C-VALVE - 316 STAINLESS STEEL - HIGH FLOW - SPECIAL |

| CODE | VALVE CAVITY LOCATION | CONNECTION ORIENTATION | |
|---|---|---|---|
| 1 | INLET | IN-BACK, | OUT-BACK (STD) |
| 5 | OUTLET | IN-BACK, | OUT-BACK (STD) |
| 9 | NONE | IN-BACK, | OUT-BACK |

| CODE | ACCESSORIES - 1,2, OR 3 DIGIT FIELD |
|---|---|
| A | NONE |
| B | ALUMINUM FLUSH MOUNTING BEZEL |
| J | DEGREASE FOR OXYGEN SERVICE |
| L | STAINLESS STEEL SIDE PLATES |
| M | STAINLESS STEEL SPRING FLOAT STOPS |
| N | CALIBRATE FOR NIST TRACEABILITY (10%, 1350; 5%, 1355) |
| Q | NO BROOKS IDENTIFICATION |
| R | CRN CERTIFICATION |

| 1350E | LC7 | C | F | A | 1 | A | TYPICAL MODEL CODE |
|---|---|---|---|---|---|---|---|

NOTES:
1 FLOW CONTROLLERS TO HAVE SEPARATE MODEL CODE AND BE A SECOND LINE ITEM ON ORDER
2 FLOW CONTROLLERS NOT AVAILABLE WITH THREADED ADAPTERS AND LOCKNUTS

ISO 9001 QUALITY SYSTEM

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