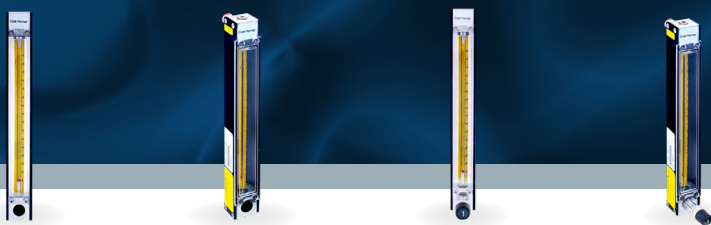


# Cole-Parmer® Variable Area 150-mm Flowmeters

Cole-Parmer®



These single-flow tube, variable-area flowmeters are designed for precise low-flow rate measurements of air and water in mL/minute at a given set of pressure and temperature parameters. The Optigrad™ 150-mm universal scale minimizes parallax and eye fatigue. The flowmeters include 1/8" NPT(F) standard mounting fittings, side plates, thick protective magnifying front shield and back plate, and stable flow tubes for accurate readings.

Flowmeters with built-in 316 stainless steel high-resolution control valves offer high-sensitivity control and resolution.



**Scan the QR code for more information  
on flowmeters.**

## APPLICATIONS

- Perfect for metering gases in chromatography, controlling gases in manufacturing processes, and liquid and gas measurement in laboratories or pilot plants
- Ideal for general-purpose, laboratory, and industrial applications

## FEATURES/BENEFITS

- Flowmeters are constructed with a white acrylic back plate, aluminum side panels, borosilicate glass flow tube, Viton® O-ring, and 316 stainless steel fittings
- Easy installation and exchange of flow tubes
- Non-rotating adapter prevents tubes from turning
- Panel mounting with hex nuts makes installation simple and secure
- Max operating temperature range of 121 °C (250 °F)
- Max pressure of 200 psi (13.8 bar)

|        |                 |
|--------|-----------------|
| USA    | +1.800.323.4340 |
|        | +1.847.549.7600 |
| Canada | +1.800.363.5900 |
| China  | 86.21.5109.9909 |
| India  | +1.800.266.1244 |

|            |                      |
|------------|----------------------|
| UK         | +44 (0) 1480.272279  |
|            | +33 (0) 1.87.170142* |
|            | +49 (0) 937.792030*  |
| Italy      | +39.02.84349215      |
| All others | +1.847.549.7600      |

**Cole-Parmer®**  
coleparmer.com

\*Inquiries from Germany and France are now handled in our St. Neots office by native-speaking experts.

## Specification and Ordering Table

| Max Flow Rate (mL/min) |       | Accuracy                  | Float     | Item Number –<br>No Valve | Item Number –<br>High-Resolution Valve |
|------------------------|-------|---------------------------|-----------|---------------------------|--|
| Water                  | Air   |                           |           |                           |  |
| —                      | 18    | ±5% of full-scale reading | Sapphire  | <a href="#">15309-40</a>  | <a href="#">15309-56</a>               |
| 0.5                    | 46    | ±5% of full-scale reading | Glass     | <a href="#">15309-41</a>  | <a href="#">15309-57</a>               |
| 1.1                    | 91    | ±2% of full-scale reading | Glass     | <a href="#">15309-42</a>  | <a href="#">15309-58</a>               |
| 2.3                    | 138   | ±5% of full-scale reading | Stainless | <a href="#">15309-43</a>  | <a href="#">15309-59</a>               |
| 4.9                    | 262   | ±2% of full-scale reading | Stainless | <a href="#">15309-44</a>  | <a href="#">15309-60</a>               |
| 5.7                    | 370   | ±2% of full-scale reading | Glass     | <a href="#">15309-45</a>  | <a href="#">15309-61</a>               |
| 19                     | 816   | ±2% of full-scale reading | Stainless | <a href="#">15309-46</a>  | <a href="#">15309-62</a>               |
| 44                     | 1665  | ±2% of full-scale reading | Stainless | <a href="#">15309-47</a>  | <a href="#">15309-63</a>               |
| 49                     | 2214  | ±2% of full-scale reading | Glass     | <a href="#">15309-48</a>  | <a href="#">15309-64</a>               |
| 89                     | 3780  | ±2% of full-scale reading | Glass     | <a href="#">15309-49</a>  | <a href="#">15309-65</a>               |
| 132                    | 4494  | ±2% of full-scale reading | Stainless | <a href="#">15309-50</a>  | <a href="#">15309-66</a>               |
| 200                    | 8555  | ±2% of full-scale reading | Glass     | <a href="#">15309-51</a>  | <a href="#">15309-67</a>               |
| 498                    | 16493 | ±2% of full-scale reading | Stainless | <a href="#">15309-52</a>  | <a href="#">15309-68</a>               |
| 579                    | 23105 | ±2% of full-scale reading | Glass     | <a href="#">15309-53</a>  | <a href="#">15309-69</a>               |
| 1339                   | 42860 | ±2% of full-scale reading | Stainless | <a href="#">15309-54</a>  | <a href="#">15309-70</a>               |
| 1972                   | 60212 | ±2% of full-scale reading | Carboloy  | <a href="#">15309-55</a>  | <a href="#">15309-71</a>               |