

# MODEL 2600

## EXCESS FLOW VALVE



The Model 2600 Excess Flow Valve is designed as a safety valve to stop the flow when a hose or pipeline is severed downstream. Various sizes are used in small laboratories to large refineries, chemical processing plants, semiconductor industry, pharmaceutical, biotech and food plants. Unique features include an in-field externally adjustable setting or resetting of the trip point. This allows avoidance of nuisance trips when fluid properties change, the design flow changes, varying flow rates and seasonal fluctuations. A sliding poppet is within a chamber with an orifice at one end wherein the closing flow rate settings can be adjusted. Precise adjustments can be made externally by turning a threaded member extending through the valve which causes a retainer to move laterally within the chamber. Turning the threaded member enables the maximum travel distance of the poppet and therefore the threshold flow rate of the valve can be precisely set.

| FLANGE | 150#  |       |       | 300#  |       |       | 600#  |       |       |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SIZE   | A     | B     | C     | A     | B     | C     | A     | B     | C     |
| 1"     | 5.00" | 4.25" | 0.50" | 8.00" | 4.88" | 0.62" | 8.50" | 4.88" | 0.69" |
| 1.5    | 6.50  | 5.00  | 0.62  | 9.00  | 6.12  | 0.75  | 9.50  | 6.12  | 0.88  |
| 2      | 8.00  | 6.00  | 0.69  | 10.50 | 6.50  | 0.81  | 11.50 | 6.50  | 1.00  |
| 3      | 9.50  | 7.50  | 0.88  | 12.50 | 8.25  | 1.06  | 14.00 | 8.25  | 1.25  |
| 4      | 11.50 | 9.00  | 0.88  | 14.00 | 10.00 | 1.19  | 17.00 | 10.75 | 1.50  |
| 6      | 16.00 | 11.00 | 0.94  | 17.50 | 12.50 | 1.38  | 22.00 | 14.00 | 1.88  |
| 8      | 19.50 | 13.50 | 1.06  | 22.00 | 15.00 | 1.56  | 26.00 | 16.50 | 2.19  |
| 10     | 24.50 | 16.00 | 1.12  | 24.50 | 17.50 | 1.81  | 31.00 | 20.00 | 2.50  |
| 12     | 27.50 | 19.00 | 1.19  | 28.00 | 20.50 | 1.94  | 33.00 | 22.00 | 2.62  |
| 14     | 31.00 | 21.00 | 1.31  | 33.00 | 23.00 | 2.06  | 35.00 | 23.75 | 2.75  |

These dimensions are for standard designs as reference only.  
Valves can be custom-engineered as needed.

Typical dimensions are listed. Data contained herein can be altered to accommodate design changes and changes to increase performance.  
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