

GST Excess Flow Valve

APPLICATIONS



GST Excess Flow Valves will instantly block gas flow in the pipeline whenever the closure flow rate is exceeded if gas tightness downstream is adversely affected due to an emergency. The bypass orifice ensures an automatic reset after the system has been repaired and re-pressurised.

TECHNICAL SPECIFICATIONS

- Complies with the AS/NZS5601.1-2022 (Clause 5.2.11)
- Operating pressure range 1.5–10.0 kPa
- Can operate at a minimum pressure of 0.9kPa
- The pressure drop across the valve is \leq 0.5 mbar
- Closure factor between 1.3 to 1.45 the nominal flow rate (1.25 to 1.45 for 0.9kPa)
- Vertical up and horizontal flow direction or Vertical down
- Threaded connections from DN15 to DN50
- Nominal flows rate from 1.6 m³/h to 16 m³/h (natural gas)
- Fully protected spring (patented) so it does not come into contact with the gas which could alter its operation over time.
- Durable labels to protect the text on the label from the outdoor weather conditions.
- Damps any gas flow peaks to avoid nuisance shut offs



PART NUMBERS

CODE	DN	Flow capacity m ³ /h	Mounting position	Connection
TC-GST20VH2.5FM	20	2.5	Vertical Up and horizontal 	F/M
TC-GST20VH4FM	20	4		
TC-GST25VH4FM	25	4		
TC-GST25VH6FM	25	6		
TC-GST32VH10FM	32	10		
TC-GST40VH16FM	40	16		
TC-GST50VH16FM	50	16		
TC-GST25VD2.5MF	25	2.5	Vertical Down 	M/F
TC-GST25VD4MF	25	4		
TC-GST25VD6MF	25	6		
<i>Coming soon</i>	32	10		

For other sizes and capacities, please contact our sales team.