

10.13 Quick exhaust valve

Quick exhaust valve for filtered, oiled or oil-free compressed air. Enables air to be exhausted quickly from reservoirs and cylinders and allows higher cylinder speeds to be achieved.


For Example:	Thompson Valves Ltd QEV 1/4" - 1/2" AUTO
	Features: <ul style="list-style-type: none"> ■ Automatic operation ■ Model QEV 1/4" - 1/2" AUTO ■ High flow capability ■ Quick Exhaust Valve ■ Inlet pressure 0.5 - 12 bar (7.2 - 174 psi) ■ Instrument Air, Benign Gases, Inert Gas and Sweet Gases ■ ATEX Classification: Ex11 2GD Exc: Complies with EN 13463 for Non-Electrical Equipment
A convenient stainless steel exhaust valve for systems handling a variety of gases Reliable and long life, ideal for a one time installation	
Available Sizes:	1/4" - 1/2" Process Connections
Inlet pressure:	10.5 - 12 bar (7.2 - 174 psi)
Media	Instrument air, benign gases, inert gas and sweet gases, Media must be clean and dry with a dew point of less than -50 °C
Flow Rates QEV 1/4"	Inlet to outlet: $C_V = 1.6$ US gpm for 1 psi Δp $K_V = 23$ l/min for 1 bar Δp
	Outlet to Exhaust: $C_V = 2.1$ US gpm for 1 psi Δp $K_V = 30$ l/min for 1 bar Δp
Flow Rates QEV 1/2"	Inlet to outlet: $C_V = 6.4$ US gpm for 1 psi Δp $K_V = 92$ l/min for 1 bar Δp
	Outlet to Exhaust: $C_V = 5.5$ US gpm for 1 psi Δp $K_V = 80$ l/min for 1 bar Δp
Media Temperature Rating QEV 1/4" and 1/2"	Media and Ambient: -50 to +90 °C

Figure 10.13.-1: Technical data of Quick exhaust valve
Thompson Valves Ltd, QEV 1/4" - 1/2", AUTO