

# ELECTRIC QUICK EXHAUST VALVES

(For Pneumatic Application Only)

## Functional Description

The Electric Quick Exhaust Valve is a three-way, NC, 3/2 valve with extra large exhaust orifice in order to provide extra fast movement of the cylinder rod, or to exhaust systems rapidly. When the solenoid is energized, the outlet port is connected to the inlet port and the exhaust port is closed. When the solenoid is de-energized, the inlet port is closed and the outlet port is connected to the exhaust port, providing rapid evacuation of the system.

## Construction

Body: 316 Stainless Steel: (Conforms to NACE standard MR-01-75)  
 Solenoid Operator: 304, 430F & 302 Stainless Steel (wetted parts)  
 Seals: FKM (Fluorocarbon) O ring seals;  
 CR (Neoprene) coated nylon flapper.  
 Screws: Stainless Steel



Function	Size				Pressure	E5QE			E4QE			EQE		
						General purpose, NEMA 1 (none) General purpose, NEMA 4/4X (-PC) UL/CSA, flying lead 1/2" conduit hub (-XX) ATEX, flying leads M20 conduit hub (-XN) FM/CSA, Intrinsic Safe, DIN (-XIS*)			CSA/ATEX, junction box (-XDB*1)			ATEX, (m) junction box (-XMA*) ATEX, (i) junction box (-XIF*)		
3-Way 3/2 Normally Closed	Basic	Ports			Part Number	Flow		Part Number	Flow		Part Number	Flow		
		Inlet	Outlet	Exhaust		Inlet	Exhaust		Inlet	Exhaust		Inlet	Exhaust	
	1/4	1/4	1/4	3/8	5-150	E5QE-30304-316-*	0.06	3.3	E4QE-30304-316-*	0.06	3.3			
					5-100	E5QE-30404-316-*	0.106	3.3	E4QE-30404-316-* (125 psi)	0.106	3.3			
					5-150	E5QE-50304-316-*	0.06	8.8	E4QE-50304-316-*	0.06	8.8	EQE-50203-316-*	0.022	8.8
					5-100	E5QE-50404-316-*	0.106	8.8	E4QE-50404-316-* (125 psi)	0.106	8.8	EQE-50304-316-*	0.06	8.8

\* Specify Suffix Options from chart below. \*\*Specify Voltage.

SUFFIX CHART (for additional specifications Description contact factory)	Suffix		
General Purpose	E5QE	E4QE	EQE
NEMA 1, 1/2" Conduit, 24" wire leads (standard no suffix required)	None	NA	NA
NEMA 4, 4X 1/2" Conduit, 24" wire leads	-PC		
<b>Hazardous Location</b>			
UL/CSA Explosion Proof, 1/2" Conduit, 24" wire leads. Other available options: -LB Low watt -PC Potted Coil -ST Stainless housing	-XX		
ATEX/IEC Flame Proof (d), M20 Conduit, 24" wire leads. Other available options: -LB Low watt -PC Potted Coil -ST Stainless housing	-XN		
FM/CSA Intrinsic Safe, Spade terminals. Other available options: -HC DIN Connector, Pg9 cord grip -HCC DIN Connector, 1/2" conduit Note: Part number changes to E5QE-30202-316 and E5QE-50202-316. Pressure is 5-115 psi (0.3-7.9 bar) and Inlet Flow is 0.02 Cv (.32 Kv)	-XISC (FM/CSA) -XISX6 (ATEX)		
ATEX/IECEX/CSA Flame Proof (d), Increased Safety(e), Enclosure/Dust (td) Class I, Div I, Grp B,C,D - Class I, Div II, Grp E,F,G- Class I, Div III, integral junction box		-XDBS1 (M20) -XDBT1 (1/2")	
ATEX/IECEX Encapsulated (mb), Increased Safety (e) Enclosure/Dust (td) integral junction box	NA	NA	-XMAA (M20) -XMAF (1/2")
Intrinsic Safe (ia), integral junction box			-XIFA (M20) -XIFF (1/2")