

EF FEATURES

- Fugitive Emission-Free Valve
- Encapsulated cylindrical stem design
- On/off-service, one-piece cylindrical valve with 2-way pattern
- Stainless steel construction
- Allows bi-directional flow in 2-way straight pattern
- One-piece cylindrical stem ensures alignment of stem and orifice
- Max working pressure 2500 psi (206 bar)
- Max working temperature 140°F (60°C)
- · Variety of end connection and sizes available

EF GENERAL

Fugitive emissions are emissions of gases or vapors from pressurized equipment due to leaks and other unintended or irregular release of gases.

Fugitive emissions from industrial activities impact our environment, our communities, and the costs of monitoring and compliance.

UCT Fluid Solutions' solution prevents fugitive emissions from valves, which account for almost 60% of total fugitive emissions, by eliminating possible leaks from the valve stem.

Ergonomically aluminum-

formed handle

MATERIALS OF CONSTRUCTION

No.	Description	Qty.	Material						
1	Handle	1	AL-6061						
2	Set Screw	1	SST 304						
3	External Rotor	1	Neodymium magnet						
4	Internal Rotor	1	Neodymium magnet						
5	Body Cap	1	SST 316L						
6	Stem*	1	SST 316L						
7	Body*	1	SST 316L						
8	Seat.disc*	2	SST 304						
9	Seat*	1	PTFE						
10	Seat Ring*	2	SST 304						
	Lubricants	Silicone based and PTFE based							

* Wetted parts

Unique encapsulated design over the stem, gives no leak path to the atmosphere.

- Eliminates environment pollution fines
- Maximizes safety
- Eliminates material loss to atmosphere
- Reduce cost of inspection and maintenance
- Eliminates hazardous releases
- Ideal for process and instrumentation lines where releases must be minimized to protect health, safety and the environment

Permanent magnetic couplings transmit torque between the internal and external rotors

Based on the H-800KL design-features low operating torque and enables minimal thermal affect



ISO FE AH CO3 SSA0 t(RT, 60 °C)-(2500PSI)

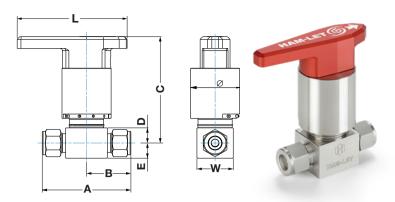
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EMISSION FREE SHUT-OFF VALVE EF SERIES

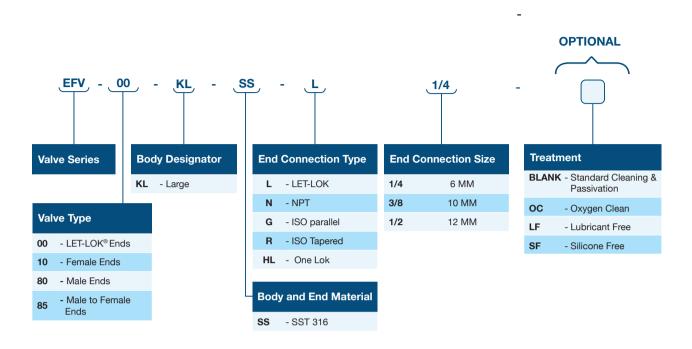


STANDARD CONFIGURATION DIMENSIONS

End Connection		ze	Orifice		CV straight	DIMENSIONS															
Type	Size	Body Size Designator	mm inch			A		В		С		D		E		L		W		Ø	
						mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
Let-Lok∘ Imperial	3/8	KL	7.1		6	77.5	3.05	38.60	1.52	100	3.94	14.2	0.56	14.2	0.56	103	4.06	34.0	1.34	46.0	1.81
	1/2			0.279	6	83.12	3.27	41.56	1.63	100	3.94	14.2	0.56	14.2	0.56	103	4.06	34.0	1.34	46.0	1.81
Let-Lok∘ Metric	10mm	KL			6	78.0	3.07	38.90	1.53	100	3.94	14.2	0.56	14.2	0.56	103	4.06	34.0	1.34	46.0	1.81
	12mm		7.1	0.279	6	83.12	3.27	41.56	1.63	100	3.94	14.2	0.56	14.2	0.56	103	4.06	34.0	1.34	46.0	1.81
E NDT	1/4			0.279	3	63.5	2.50	31.75	1.25	100	3.94	14.2	0.56	14.2	0.56	103	4.06	34.0	1.34	46.0	1.81
F-NPT	3/8	KL	7.1		2.6	63.5	2.50	31.75	1.25	100	3.94	14.2	0.56	14.2	0.56	103	4.06	28.4	1.34	46.0	1.81
Female ISO 7/1 Tapered	3/8	KL	7.1	0.279	2.6	63.5	2.50	31.75	1.25	100	3.94	14.2	0.56	14.2	0.56	103	4.06	34.0	1.34	46.0	1.81
Face Seal Male	1/2	KL	7.1	0.279	6	73.2	2.88	36.60	1.44	100	3.94	14.2	0.56	14.2	0.56	103	4.06	34.0	1.34	46.0	1.81

Dimensions are for reference only and are subject to change.

FUGITIVE EMISSIONS FREE ORDERING INFORMATION



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