

Description

Electric valve actuator is used for impulse control (three points control) valve series TV, PV, TVP, PVP and flow controller with integrated control valve series KV and KVP.

Types

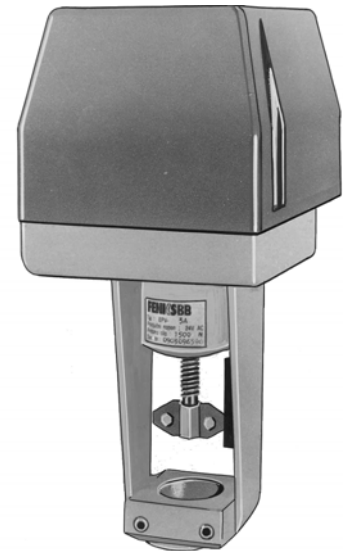
Maximal force	Maximal stroke	Running time	Type of actuator
1500 N	25 mm	60 s	EPV 3A
1500 N	40 mm	100 s	EPV 3B
2500 N	45 mm	115 s	EPV 3C
5000 N	45 mm	85 s	EPV 3D
5000 N	65 mm	120 s	EPV 3E

Options:

Actuator with:

- *Auxiliary end point switches:
- *Feedback signal 1k Ω (0-10V)
- *Spring return

EPV 3../SS
EPV 3../P
EPV 3../S



Technical data

- * Power supply: 24VAC/50 Hz (EPV 3)
220VAC/50Hz (EPV 32)
- * Power consumption : 50 W
- * Degree of protection : IP 54
- * Bracket material : AISI12

Table for selection electric valve actuator (EPV3, EPV32) depending on nominal valve diameter and maximal acceptable pressure difference (bar).

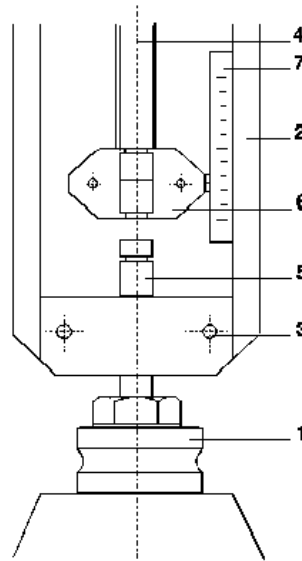
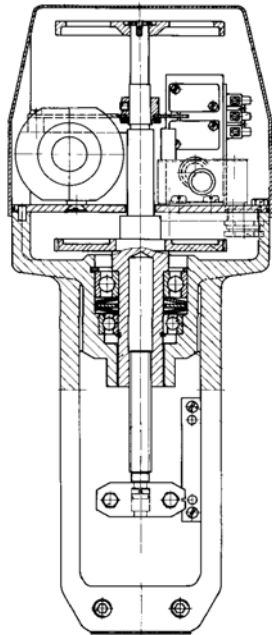
DN	Kvs(m ³ /h)	EPV 3A	EPV 3B	EPV 3C	EPV 3D	EPV 3E
15	1	16				
15	1,6	16				
15	2,5	16				
15	4	16				
25	6,3	16				
25	10	16				
32	16	16				
40	25	12				
50	40		7,5	12,7	16	
65	63		4,5	7,5	15	
80	100			4,9	10	
100	160			3,1	6,4	
125	250					4,1
150	330					2,8

Mounting instructions

- Disassembly joint plates (6) from the spindle (4) (see figure)
- Set actuator on valve connector (1) and fixed with Allen screws (3), by Allen wrench # 5.
- Activate manual actuator mode with drive clutch screw for performing rotation with hand wheel until spindle

reaches valve stem (5).

- Put joint plates (6) on valve stem (5) and spindle (4), so that joint plates matches. Fix joints with two screws M5. Pay attention that joint plates come over indicating plate.
- Reactivate automatic actuator mode with drive clutch screw.



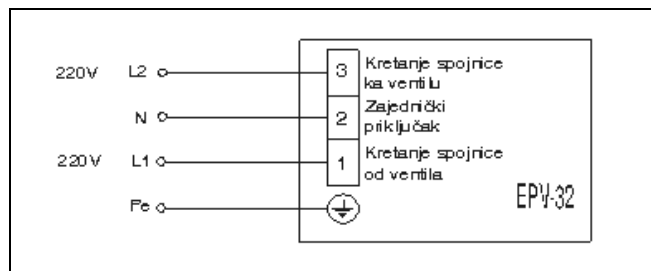
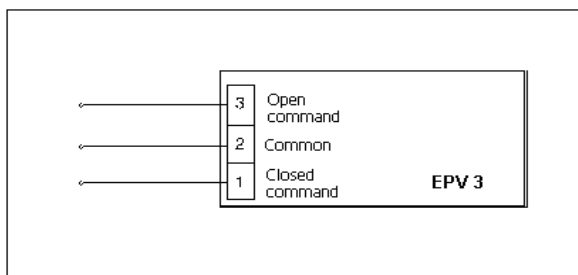
1. Valve connector
2. Actuator bracket
3. Allen screw
4. Spindle
5. Valve stem
6. Joint plates
7. Indicating plate

Notes :

- To avoid overheating of actuator it is recommended to install valve in horizontal position. Installation of actuator in position under the valve is not allowed.
- During exploitation at least ones a year spindle (4) must be greased with appropriate molybdenum disulfide (MoS₂) grease for temperature conditions T≥130°C.

Wiring diagram

- Connection according to wiring diagram. Recommended cable for EPV 3 and EPV 32 is PPY 3x0,75mm².



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