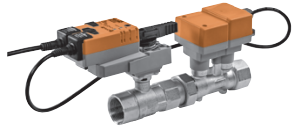




















**Pressure-independent Valves.**  
**EPIV Control Valves – internal thread**



							<b>EP.</b>					
												
							<b>Actuator is a component of the valve.</b>					
		<b>Running times</b>		<b>(Control) Operating range</b>								
modulating		<b>AC/DC 24 V</b>		90 s			DC (0) 0.5...10 V variable					
communication		<b>AC/DC 24 V</b>		90 s			MP-Bus / Modbus RTU, DC (0) 0.5...10 V variable					
<b>Internal thread Rp ISO 7/1</b>		<b>PN 16</b> $T_{max}=120^{\circ}\text{C}$					<b>Range of use</b> closed circuits (pH > 7)					
<b>2-way</b>		<b>DN</b> [mm]	<b>DN</b> [Zoll]	<b>V<sub>nom</sub></b> [l/s]	<b>V<sub>nom</sub></b> [l/min]	<b>k<sub>vs</sub><sup>-1</sup></b> [m <sup>3</sup> /h]	<b>Δps</b> [kPa]	<b>Δpmax</b> [kPa]	<b>Δps</b> [kPa]	<b>Δpmax</b> [kPa]	<b>Δps</b> [kPa]	<b>Δpmax</b> [kPa]
EP015R+MP		15	½"	0.35	21	2.9	1400	350				
EP020R+MP		20	¾"	0.65	39	4.9	↑	↓				
EP025R+MP		25	1"	1.15	69	8.6	1400	350				
EP032R+MP		32	1¼"	1.8	108	14.2			1400	350		
EP040R+MP		40	1½"	2.5	150	21.3			1400	350		
EP050R+MP		50	2"	4.8	288	32.0					1400	350
<b>Internal thread Rp ISO 7/1</b>		<b>PN 16</b> $T_{max}=120^{\circ}\text{C}$					<b>Range of use</b> closed circuits (pH > 7)					
<b>2-way emergency control function</b>		<b>DN</b> [mm]	<b>DN</b> [Zoll]	<b>V<sub>nom</sub></b> [l/s]	<b>V<sub>nom</sub></b> [l/min]	<b>k<sub>vs</sub><sup>-1</sup></b> [m <sup>3</sup> /h]	<b>Δps</b> [kPa]	<b>Δpmax</b> [kPa]	<b>Δps</b> [kPa]	<b>Δpmax</b> [kPa]	<b>Δps</b> [kPa]	<b>Δpmax</b> [kPa]
EP015R+KMP		15	½"	0.35	21	2.9	1400	350				
EP020R+KMP		20	¾"	0.65	39	4.9	↑	↓				
EP025R+KMP		25	1"	1.15	69	8.6	1400	350				
EP032R+KMP		32	1¼"	1.8	108	14.2			1400	350		
EP040R+KMP		40	1½"	2.5	150	21.3			1400	350		
EP050R+KMP		50	2"	4.8	288	32.0					1400	350
<b>Internal thread Rp ISO 7/1</b>		<b>PN 16</b> $T_{max}=120^{\circ}\text{C}$					<b>Range of use</b> closed circuits (pH > 7)					
<b>2-way Modbus RTU actuator</b>		<b>DN</b> [mm]	<b>DN</b> [Zoll]	<b>V<sub>nom</sub></b> [l/s]	<b>V<sub>nom</sub></b> [l/min]	<b>k<sub>vs</sub><sup>-1</sup></b> [m <sup>3</sup> /h]	<b>Δps</b> [kPa]	<b>Δpmax</b> [kPa]	<b>Δps</b> [kPa]	<b>Δpmax</b> [kPa]	<b>Δps</b> [kPa]	<b>Δpmax</b> [kPa]
EP015R+MOD		15	½"	0.35	21	2.9	1400	350				
EP020R+MOD		20	¾"	0.65	39	4.9	↑	↓				
EP025R+MOD		25	1"	1.15	69	8.6	1400	350				
EP032R+MOD		32	1¼"	1.8	108	14.2			1400	350		
EP040R+MOD		40	1½"	2.5	150	21.3			1400	350		
EP050R+MOD		50	2"	4.8	288	32.0					1400	350

1) Theoretical  $k_{vs}$  value for pressure drop calculation.

Control, operating range, position feedback, running time and further functions are parameterisable with PC-Tool or ZTH EU.