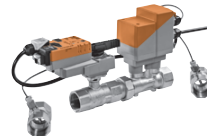




















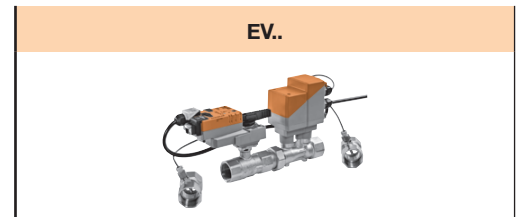
Pressure-independent Valves.
Belimo Energy Valve™ – internal thread









							EV..					
												
							Actuator is a component of the valve.					
		Running times		(Control) Operating range								
modulating		AC/DC 24 V		90 s			DC (0) 0.5...10 V variable					
communication		AC/DC 24 V		90 s			MP-Bus, BACnet IP, MACnet MS/TP DC (0) 0.5...10 V variable					
Internal thread Rp ISO 7/1		PN 16 $T_{max}=120^{\circ}\text{C}$					Range of use closed circuits (pH > 7)					
2-way		DN [mm]	DN [Zoll]	V_{nom} [l/s]	V_{nom} [l/min]	k_{vs}¹⁾ [m ³ /h]	Δps [kPa]	Δpmax [kPa]	Δps [kPa]	Δpmax [kPa]	Δps [kPa]	Δpmax [kPa]
EV015R+BAC 		15	½"	0.35	21	2.3	1400	350				
EV020R+BAC 		20	¾"	0.65	39	4	↑	↓				
EV025R+BAC 		25	1"	1.15	69	6.7	1400	350				
EV032R+BAC 		32	1¼"	1.8	108	10.7			1400	350		
EV040R+BAC 		40	1½"	2.5	150	15.6			1400	350		
EV050R+BAC 		50	2"	4.8	288	26.8					1400	350
Internal thread Rp ISO 7/1		PN 16 $T_{max}=120^{\circ}\text{C}$					Range of use closed circuits (pH > 7)					
2-way, emergency control function (SuperCap)		DN [mm]	DN [Zoll]	V_{nom} [l/s]	V_{nom} [l/min]	k_{vs}¹⁾ [m ³ /h]	Δps [kPa]	Δpmax [kPa]	Δps [kPa]	Δpmax [kPa]	Δps [kPa]	Δpmax [kPa]
EV015R+KBAC 		15	½"	0.35	21	2.9	1400	350				
EV020R+KBAC 		20	¾"	0.65	39	4.9	↑	↓				
EV025R+KBAC 		25	1"	1.15	69	8.6	1400	350				
EV032R+KBAC 		32	1¼"	1.8	108	14.2			1400	350		
EV040R+KBAC 		40	1½"	2.5	150	21.3			1400	350		
EV050R+KBAC 		50	2"	4.8	288	32.0					1400	350
Internal thread Rp ISO 7/1		PN 16 $T_{max}=120^{\circ}\text{C}$					Range of use closed circuits (pH > 7)					
2-way Glycol monitoring		DN [mm]	DN [Zoll]	V_{nom} [l/s]	V_{nom} [l/min]	k_{vs}¹⁾ [m ³ /h]	Δps [kPa]	Δpmax [kPa]	Δps [kPa]	Δpmax [kPa]	Δps [kPa]	Δpmax [kPa]
EV015R+BAC1 		15	½"	0.35	21	2.9	1400	350				
EV020R+BAC1 		20	¾"	0.65	39	4.9	↑	↓				
EV025R+BAC1 		25	1"	1.15	69	8.6	1400	350				
EV032R+BAC1 		32	1¼"	1.8	108	14.2			1400	350		
EV040R+BAC1 		40	1½"	2.5	150	21.3			1400	350		
EV050R+BAC1 		50	2"	4.8	288	32.0					1400	350

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

Completely parameterisable by means of integrated Web server or ZTH EU.



Internal thread Rp ISO 7/1	PN 16 $T_{max} = 120^{\circ}\text{C}$					Range of use closed circuits (pH > 7)					
	DN [mm]	DN [Zoll]	V_{nom} [l/s]	V_{nom} [l/min]	k_{vs}^{-1} [m ³ /h]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]
EV015R+KBAC1 	15	1/2"	0.35	21	2.9	1400	350				
EV020R+KBAC1 	20	3/4"	0.65	39	4.9	↕	↕				
EV025R+KBAC1 	25	1"	1.15	69	8.6	1400	350				
EV032R+KBAC1 	32	1 1/4"	1.8	108	14.2			1400	350		
EV040R+KBAC1 	40	1 1/2"	2.5	150	21.3			1400	350		
EV050R+KBAC1 	50	2"	4.8	288	32.0					1400	350

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

Completely parameterisable by means of integrated Web server or ZTH EU.