

Shut-off valves

		Emergency control function					
		KR	TR / TRF / TRY	LR / LRQ / LRF	NR / NRQ / NRF	SR / SRF / SRQ	SR..P
							IP66/67
Open-close	Running times	Control	80°C	120°C ⁴⁾	120°C	120°C	120°C
AC/DC 24 V	9 s	1-wire			LRQ24A	NRQ24A	SRQ24A
	35 s	1-wire/2-wire		TRY24			
	75 s	1-wire/2-wire	KR24				
	90 s	1-wire/2-wire		TR24	LR24A(-S)	NR24A(-S)	SR24A(-S)
	Ⓜ : 75 s / Ⓢ : 75 s	1-wire		TRF24(-S)(-O)			SR24P
	Ⓜ : <75 s / Ⓢ : <20 s	1-wire			LRF24(-S)(-O) ⁴⁾	NRF24A(-S2)(-O)	SRF24A(-S2)(-O)
AC 230 V	35 s	1-wire/2-wire		TRY230			
	75 s	1-wire/2-wire	KR230				
	90 s	1-wire/2-wire			LR230A(-S)	NR230A(-S)	SR230A(-S)
	Ⓜ : 75 s / Ⓢ : 75 s	1-wire		TRF230(-S)(-O)			SR230P
	Ⓜ : <75 s / Ⓢ : <20 s	1-wire			LRF230(-S)(-O) ⁴⁾	NRF230A(-S2)(-O)	SRF230A(-S2)(-O)

Internal thread Rp (ISO 7/1)				p _s = 1600 kPa		Range of use ⁵⁾											
2-way		3-way		T _{max} = 120°C		Closed / open circuits (pH > 7)											
				DN	DN	Δp _s	Δp _{max}	Δp _s	Δp _{max}	Δp _s	Δp _{max}	Δp _s	Δp _{max}	Δp _s	Δp _{max}	Δp _s	Δp _{max}
k _{vs}	k _{vs}	k _{vs} ¹⁾	k _{vs} ¹⁾	[mm]	[mm]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]
R2015-S1	15	R3015-S1	15	15	15	1400	1000 ²⁾	1400	1000 ²⁾	1400	1000 ²⁾	1400	1000 ²⁾	1400	1000 ²⁾	1400	1000 ²⁾
R2020-S2	32	R3020-S2	32	20	20												
R2025-S2	26	R3025-S2	26	25	25					1400	1000 ²⁾						
R2032-S3	32	R3032-S3	32	32	32												
R2040-S3	31	R3040-S3	31	40	40							1400	1000 ²⁾				
R2050-S4	49	R3050-S4	49	50	50									1400	1000 ²⁾	1400	1000 ²⁾

1) k_{vs} = A - AB, k_{vs} (B - AB) = 50% x k_{vs}
 2) Low-noise operation Δp_{max} = 200 kPa
 3) Medium temperature -10...+5°C with spindle heating
 4) If medium temperature ≥100°C, then pipe and valve must be insulated
 5) R3.., R7...: not suitable for open circuits
 6) Valve can not be motorised with NRQ.. actuators