

## CONTROL VALVES

2-way valves with different sizes and with different Kvs values for HVAC applications are available. Valves can be used for controlling heating and cooling. A VA 80 adapter is needed for connecting a NV valve with a thermal actuator.



TYPE	ART NO.	
NV2D10	1230100	valve 3/8" fixed Kvs 1,20
NV2D10V	1230101	valve 3/8" adjustable Kvs 0,10...0,80
NV2D10F	1230102	valve 3/8" adjustable Kvs 0,05...0,35
NV2D15	1230150	valve 1/2" fixed Kvs 1,20
NV2D15V	1230151	valve 1/2" adjustable Kvs 0,10...0,80
NV2D15F	1230152	valve 1/2" adjustable Kvs 0,05...0,35
NV2D20	1230200	valve 3/4" fixed Kvs 1,50
NV2D20V	1230201	valve 3/4" adjustable Kvs 0,10...0,80

## THERMAL ACTUATORS

Valve actuators are available for 24 Vac and for 230 Vac supply with a NC or NO function. Control signal may be a PWM or a 0...10 Vdc signal. Connection cables may be fixed (length 1 m) or removable. Different lengths of removable cables are available. An adapter between the valve and the actuator is always needed.



TYPE	ART NO.	
A4004.XX.01	1210010	thermal actuator 24 V NC, fixed cable 1 m
A4104.XX.01	1210020	thermal actuator 24 V NO, fixed cable 1 m
AA2004	1210030	thermal actuator 230 V NC, removable cable (sold separately)
AA4004	1210040	thermal actuator 24 V NC, removable cable (sold separately)
AA4104	1210045	thermal actuator 24 V NO, removable cable (sold separately)
AA5014	1210050	thermal actuator 0...10 V, removable cable (sold separately)
VA 80	1220010	adapter, for e.g. all above mentioned NV valves

Different adapters are available for most common valves in the market. Please check the adapter type for each valve model.

## SOLENOID VALVES

*MV solenoid valves are designed for building automation needs of the water control, for example in heating and cooling systems. Solenoid valves work in zero pressure difference and the valves are either normally closed (NC) or normally open (NO).*



TYPE	ART NO.	
<b>MV1/2NC230</b>	1260010	1/2" solenoid valve (NC)
<b>MV3/4NC230</b>	1260020	3/4" solenoid valve (NC)
<b>MV1NC230</b>	1260030	1" solenoid valve (NC)
<b>MV11/4NC230</b>	1260040	1 1/4" solenoid valve (NC)
<b>MV11/2NC230</b>	1260050	1 1/2" solenoid valve (NC)
<b>MV2NC230</b>	1260060	2" solenoid valve (NC)
<b>MV1/2NO230</b>	1260100	1/2" solenoid valve (NO)
<b>MV3/4NO230</b>	1260110	3/4" solenoid valve (NO)
<b>MV1NO230</b>	1260120	1" solenoid valve (NO)
<b>MV-VK24VAC</b>	1260200	changeable coil 24 Vac for the solenoid valves
<b>MV-VK24VDC</b>	1260210	changeable coil 24 Vdc for the solenoid valves