

## Nicab Maxi®

Secondary refrigerant valve, 2/3-ways for controlling the temperature in display cabins and cold rooms etc.

- Built in relay
- 2 LED's for indication
- Potential free contacts
- 3 O-rings in EPDM rubber
- Backwards compatible
- DN50-DN65



**NICAB Maxi: Motorised ballvalve HT -15 °C**  
**Dimensions: DN 50 – DN 65**

Nicab Maxi is a motorised ballvalve for control of secondary refrigerant systems down to -15 °C. The valve function is ON/OFF and it is compatible with most secondary refrigerants including Glycol, Freezium, Hy-Cool, and Temper. The actuator is equipped with two LEDs that indicate cooling or defrosting and two potential free contacts for extern signal or feedback.



Art. No	Description	DN	Kvs m3/h	Supply	Weight (kg)	Max permissible diff. pressure
422HT050	2-way motorised ballvalve	50	191	230V (24V)	5	3,0 bar
422HT065	2-way motorised ballvalve	65	340	230V (24V)	8	2,5 bar
423HT050	3-way motorised ballvalve	50	71	230V (24V)	6	3,0 bar
423HT065	3-way motorised ballvalve	65	105	230V (24V)	9	2,5 bar

**Technical information, actuator**

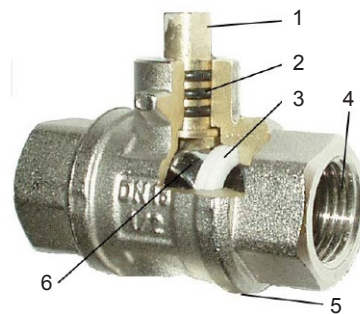
Power supply	230V~, 50...60 Hz (standard)	Permissible ambient temp	-25...70 °C
	24V~, 50...60 Hz (option)	Permissible ambient humidity	< 90 %rh without condensation
Power consumption	Running	Torque	24 Nm (23 Nm for 24V)
	Idle	Turning angle	90° clockwise
Condense protection (internal)	Heater 33K, 5W	Running time	ca 120 sec
		Protection	IP 65 acc. to EN 60529
		Noise while running	< 50 dB(A)

**Technical information, valvebody**

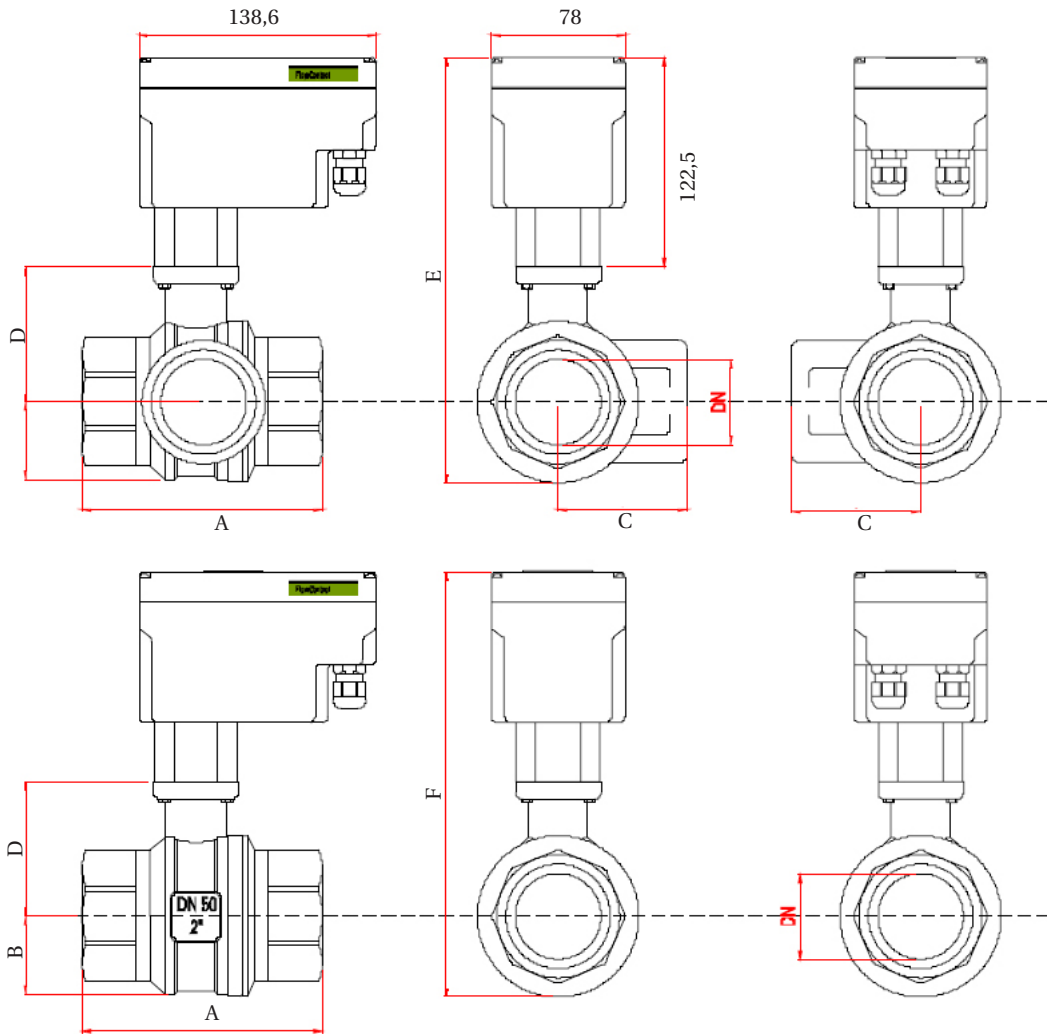
Nominal pressure	PN16
Max operating pressure	10 bar
Max differential pressure	2,5 - 3,0 bar
Sec. Ref. temp.	-15...95 °C
Turning angle	90°

**Construction**

1. Axle in chrome plated brass
2. 3 O-rings in EPDM rubber
3. Disk PTFE
4. Female thread BSP, standard (Male optional)
5. Body in low zinc plated brass
6. Ball in chrome plated brass



## Drawing



### 2-way valve

DN	A	B	C	D	E	F	Kv	Art. No	Rsk. No.
50	138	47,5	71,5	132	254,5	254,5	191	422HT050	5363165
65	164	60	89	152	274,5	274,5	340	422HT065	5363166

### 3-way valve

DN	A	B	C	D	E	F	Kv	Art. No	Rsk. No.
50	138	47,5	71,5	132	254,5	254,5	71	423HT050	5363167
65	164	60	89	152	274,5	274,5	105	423HT065	5363168

### Installation notes 230V & 24V

- 1 = Neutral (N)
- 2 = Phase (L1)
- 3 = Thermostat
- 4 = Ground

Neutral and Phase must always be connected. When you connect the Thermostat the valve will open. You can never install the valve with the actuator below the horizontal line. (i.e upside down). Please see the electrical scheme for further instructions.

### Potential free contacts

CC is used to get a signal in closed position.  
OO is used to get a signal in open position.

