

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

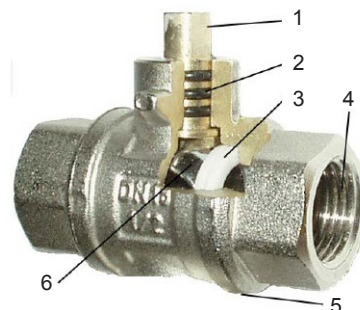
| | | | |
|--------------------------------|------------------------------|------------------------------|-------------------------------|
| Power supply | 230V~, 50...60 Hz (standard) | Permissible ambient temp | -25...70 °C |
| | 24V~, 50...60 Hz (option) | Permissible ambient humidity | < 90 %rh without 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

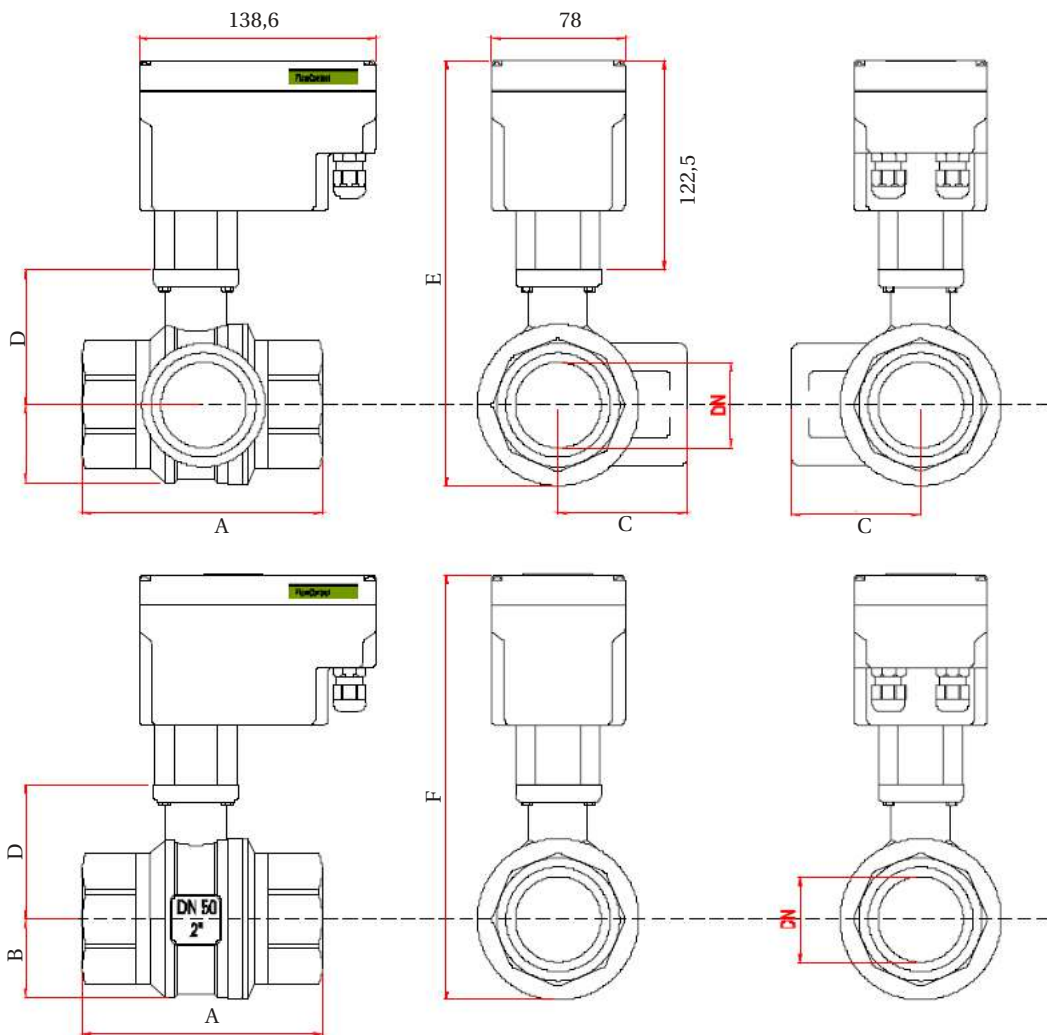
| | |
|---------------------------|---------------|
| Nominal pressure | PN16 |
| Max operating pressure | 10 bar |
| Max differential pressure | 2,5 - 3,0 bar |
| Sec. Ref. temp. | -15...95 °C |
| Turning angle | 90° |

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.

