

Nicab Compact®

Secondary refrigerant valves 2 or 3 way intended to be built in with display cabins and so on, small construction measures with 3 O-rings in EPDM rubber to minimize the risk of leakage. DN 15-DN 20.



| Properties | Benefits | User Advantages | | |
|-----------------------------|---|---|--|--|
| 1 LED for position control. | Easy to see if the valve is in open or close position. | Easy to check if the valve is intalled properly. | | |
| Internal heating. | Prevents condensation. | Minimizes the risk of short circuit on the circuit board. | | |
| 3 O-rings in EPDM rubber. | Handles low temperatures. Compatible with different types of secondary refrigerants. Stabelizes the spindle. | Minimizes the risk of leakage. Suitable for all systems. | | |
| Internal relay. | The actuator can be controlled with an on/off switch. | No need for an extra relay, which reduces the cost. | | |
| 90° turning angle. | Only one type of actuator needed as spare part. | Reduced cost. | | |

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Motorised ballvalve for sec. refrigerant systems **NICAB Compact:**

HT -15 °C / LT -35 °C Dimensions DN 15 - DN 20

The COMPACT range of 2 and 3 port motorised ball valves are designed for use in secondary refrigerant systems (both HT and LT temperature i.e. -15° C to -35° C). The ball in the 3-way diverting valve is specifically designed to ensure constant flow when the valve changes position i.e. when defrosting. The motorised actuator has a LED fitted that indicates the valve position. The valve is compatible with most secondary refrigerants including Glycol, Freezium, Hy-Cool, Temper and Tyfoxit.

The valve must be fitted in an upright or horizontal position position, **never** fitted with the actuator facing downwards.

actuator facing downwards.

The internal heater is always connected by internal wired scheme, to avoid condensation on the printed circuit board.

| Туре | Dimension DN | kVS value m ³ /h 2-Väg / 3-Väg | Weight in kg 2-Väg / 3-Väg | | |
|---------------|-----------------|--|-------------------------------|--|--|
| Compact DN 15 | 15 | 16,2 3,9 | 1 kg 1,1 kg | | |
| Compact DN 20 | 20 | 26,5 7,9 | 1,2 kg 1,2 kg | | |





Technical Data

Dimension: DN15 - DN 20 Voltage: 230V (24V) Torque: 6 Nm Internal heating: 5 W

Room temperature: -20 °C - +70°C

Valve body: Low zinc plated brass

Microswitch: 10(2)A

Blue led = open/cooling Led's:

Red led = close/defrost

Frequency: 50/60 Hz

90° about 100 Sec. Running time:

IP 55 Protection:

HT -15°C / +95 °C Sec. Refrigerant temp:

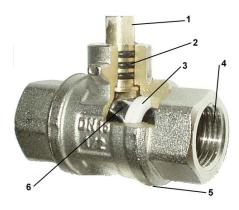
(LT -35°C)

Operational pressure: 10 bar Differential pressure: 6 bar 10(2)A Relay contacts:

Internal protection: Heater 33 K, 5W. Protective

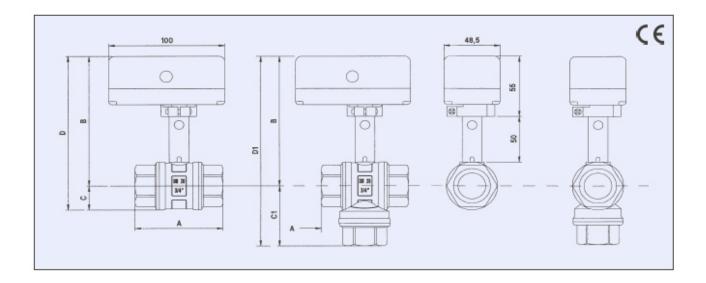
spray film on circuit.

Construction



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

FlowControl



Measures 2-way valve

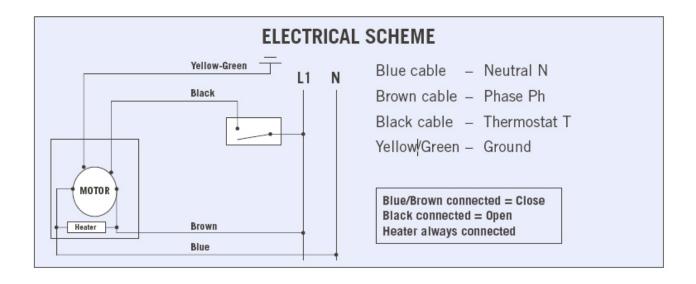
| Dn | Α | В | С | D | Kg | Kv | Art. Nr | Rsk Nr. |
|----|----|-------|------|-------|-----|------|----------|---------|
| 15 | 66 | 123,5 | 17 | 140,5 | 0,9 | 16,2 | 422HT215 | 5363185 |
| 20 | 76 | 128 | 21,5 | 149,5 | 1,0 | 26,5 | 422HT020 | 5363186 |

Measures 3-way valve

| Dn | Α | В | C1 | D1 | Kg | Kv | Art. Nr | Rsk Nr. |
|----|----|-------|------|-------|-----|-----|----------|---------|
| 15 | 66 | 123,5 | 44 | 167,5 | 1,0 | 3,9 | 423HT315 | 5363187 |
| 20 | 76 | 128 | 54,5 | 182,5 | 1,1 | 7,9 | 423HT320 | 5363188 |

Pressure Loss

FlowControl



ACCESSORIES

Insulation boxes



Brass connections



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