

de pala
Italian OEM Technology

DE PALA "FRIGO" MOTORISED BALL VALVES

2 / 3 WAYS 1/2" ÷ 1" 1/2 IP65 - USE IN REFRIGERATION

The valves are made of nickel-plated brass and are especially designed for use in refrigeration. The full flow ball shutter guarantees minimum pressure drop and no leakage even after long periods of use. The threaded connections can be chosen female or with unions. The 3-way valves have different flow configurations, adapting to a variety of system situations.

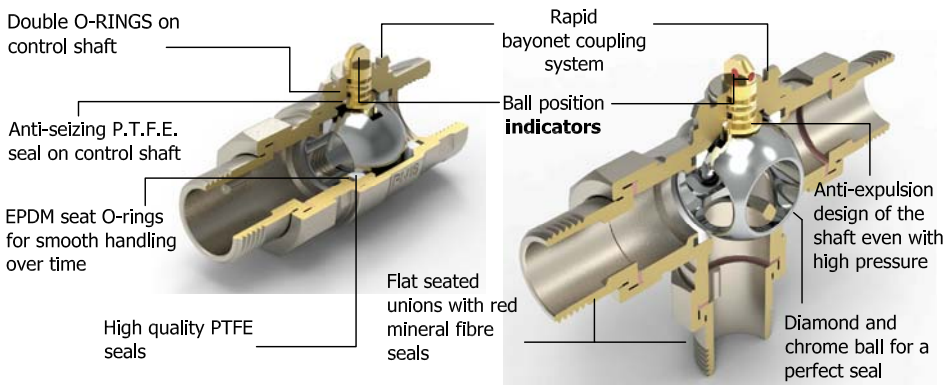
The practical preformed cross-linked polyethylene insulation shells and spacers for the actuators allow quick installation, facilitating insulation operations.

The actuators are hermetically sealed and have IP65. The electrical connection is made without opening the casing, by connecting the pre-wired cable or the optional IP68 plug-socket connector. De Pala actuators only absorb current during operation, unlike spring return actuators for example, and have precise and repeatable positioning.



TOTAL FLOW

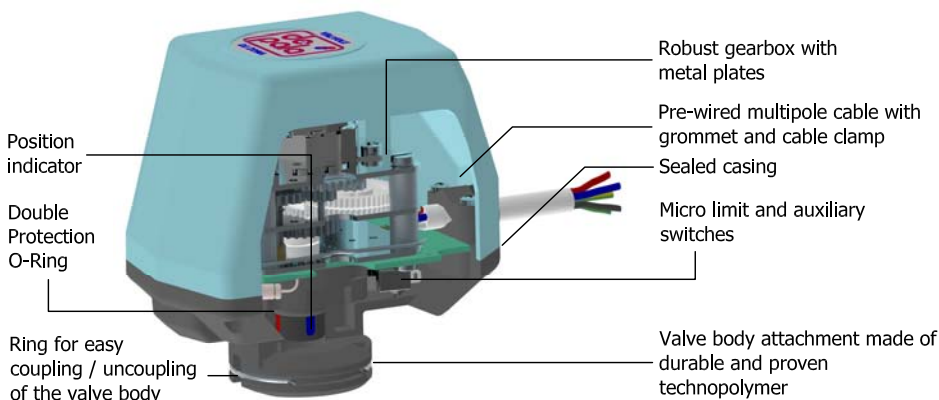
CONSTRUCTIONAL CHARACTERISTICS OF VALVE BODIES



NICKEL-PLATED VALVE BODY

Valve body : BRASS CW617N (UNI 12165)
Chromed brass ball CW617N
CW614N brass turned shaft
Maximum working pressure: 16 bar
Maximum differential pressure: 6 bar
Fluid temperature limits: -15 ÷ 110 °C
Usable liquids: water and liquids compatible with EPDM and PTFE
Glycol max. 50%
Consult De Pala if in doubt about material compatibility

CONSTRUCTIONAL CHARACTERISTICS OF ACTUATORS



Power supply: 230 or 24 Vac 12 or 24 Vdc according to the models
Power consumption: approx. 4 VA only during operation
Uni or bi-directional rotation
Type of control: 2 or 3 wires
Starting torque: up to 12 Nm
Working times: from 8 to 120 sec.
Working environment temperature: 0÷65 °C
Electrical protection grade: IP65
Cable length: 1 meter
Clean auxiliary contact
Auxiliary contact rating: 6 (2) A for 230 Vac 0.3 (0.1) A for 24 Vac or direct current
Special models, e.g. with heating element