



# Model 1111A/1112A



Doc: CH-1111A/02

June 2007

## Air operated 2 way brass ball valve

Full bore 2 way nickel plated brass ball valve, designed for automation with integrally cast ISO5211 actuator mounting platform, fitted via stainless steel mounting kit with CH-air 'A' type pneumatic actuator. Supplied assembled and dry bench function tested. Minimum of 80 psi (5.5 bar) air supply pressure to the actuator is required.

1111A With double acting actuator

1112A With spring return actuator

Size range from 1/2" to 2". Valves are WRAS approved for use on potable water.

### Applications:

Water, oil and most non-corrosive media, subject to compatibility with wetted parts in contact with media. Actuators sized on a maximum differential pressure of 10 bar wet service, if the intended duty is above this differential, or dry (air or gas) call to check actuator sizing as a larger output actuator may be required.

Maximum working temperature of assembly is +130C. If the intended duty is at a higher temperature than this, select a stainless steel valve - contact us for information.

### Valve Specifications:

Body	Nickel plated brass
Ball	Nickel plated brass
Seats	PTFE
Pressure rating	40 bar
Valve temp limits	-20 to +150°C
Actuator temp limits	-20 to + 70°C

### Accessories:

Solenoid control:

This provides electrical control of the valve. The air is constantly supplied to the solenoid which in turn controls the air to and from the actuator. The solenoid direct mounts to the actuator using the actuator's Namur connection.

Position Confirmation:

Remote end of travel confirmation can be provided by adding a top mounted limit switch box. A variety of switch options and housings are available. See our LSB range for details.

Position control:

The standard on/ off function can be converted to modulating function, using either a 3-15psi or 4-20mA control signal, by adding a pneumatic or electro-pneumatic positioner. See our YT range for details.



### Quick guide to the CH-air A Type actuator standard features :

*Robust rack and pinion construction*

*High accuracy machining of components*

*ATEX Ex II 2 GD approved for use in hazardous areas*

*CE Approved*

*Guaranteed for 1,000,000 cycles*

*Balanced air & spring strokes in spring return version*

*Safe to dismantle for routine maintenance*

*Compliant with all actuator standards*

*Accessories are easy to mount*

*Hard anodised aluminium body*

*ENP coated option (Extra cost)*

*Teflon® coated option (Extra cost)*

*Stainless steel version (Extra cost)*