324 SERIES



CHECK VALVE TYPE EA WITH BUILT-IN SHUT-OFF VALVE



Plumbing Protecting the system to protect your water



PATENT PENDING

FUNCTIONS AND FEATURES

Ball valve complete with check valve type EA, controllable and replaceable.
 Made of LOW LEAD material with very low lead content and resistant to dezincification.
 Thanks to the special patented design, all checks or replacement operations can be carried out using just one shut-off valve.
 Certified to standard EN 13959 and EN 13828.
 Specific for backflow prevention in domestic water systems.
 Complete with double pressure port for working control and system verification.

PRODUCT RANGE

Pb

Pb



OPERATING PRINCIPLE

The anti-pollution check valve with built-in shut-off valve is comprised of a valve body (1), a check valve (2), two test ports (3) – one downstream for operation checks and one downstream for system pressure testing – a shut-off ball valve (4) with control lever (5).

The check valve (2) delimits two distinct zones: one upstream or at the inlet (A), and one downstream or at the outlet (B).



Three possible operating conditions can be obtained according to the position of the control lever:

- 1. lever longitudinal to the valve: normal operating conditions;
- lever perpendicular to the valve, rotated clockwise through 90° relative to the longitudinal position: EA check valve operation check;
- ever perpendicular to the valve, rotated anti-clockwise through 90° relative to the longitudinal position: operation access to EA check valve for maintenance or replacement.

REFERENCE DOCUMENTATION

324 series

- Technical brochure 01341

WE RESERVE THE RIGHT TO MAKE CHANGES AND IMPROVEMENTS TO THE PRODUCTS AND RELATED DATA IN THIS PUBLICATION, AT ANY TIME AND WITHOUT PRIOR NOTICE.

TECHNICAL SPECIFICATIONS

Body material	"LOW LEAD" dezincification resistant alloy CW724R
Max. working pressure	10 bar
Check valve minimum opening pressure	(Δp) 0,5 kPa
Max. working temperature	65°C
Medium	water

OPERATING CHECK

Close the built-in shut-off valve by turning it through 90° with respect to its longitudinal position. Use the downstream test port to check that the pressure is above 0,5 bar. Open the check valve test port. The flow should stop after the small amount of medium contained in the valve body between the shut-off and pressure test port has drained off.





REPLACING THE CHECK VALVE

Thanks to the special patented design, all operation check or replacement operations can be carried out using just one shut-off valve:

- position the lever perpendicular to the valve body by raising it slightly and rotating it anti-clockwise through 90° relative to the longitudinal position;
- open the side cap and remove the snap ring and O-Ring;
- use pliers to remove the snap ring, taking care not to damage it. Carry
 out the maintenance operations, position the original or replacement
 check valve in its seat and refit by reversing the removal procedure.









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