



# ELECTRIC ACTUATORS AND ZONE BALL VALVES

## 986 4-way zone ball valve

### INSTRUCTIONS

#### ACTUATOR INSTALLATION:

- 1) Line up the manoeuvre stem in the position of the servo-control manoeuvre joint.
- 2) insert the servo-control pushing it in the indicating direction.
- 3) insert the split pin in the hole.
- 4) make sure that the servo-control is correctly assembled.

The servo-control must be installed with the valves completely open.

The servo-controls are supplied in the "open" position and can be installed on all the series of ITAP zone valves.

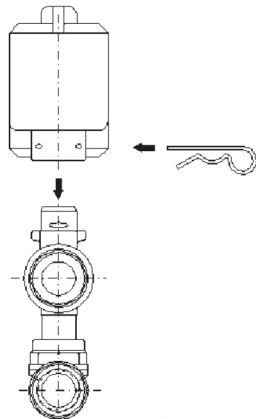


FIG. 2.1



FIG. 2.2

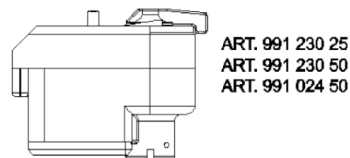


FIG. 2.3

#### 4-way zone Valve with bypass.

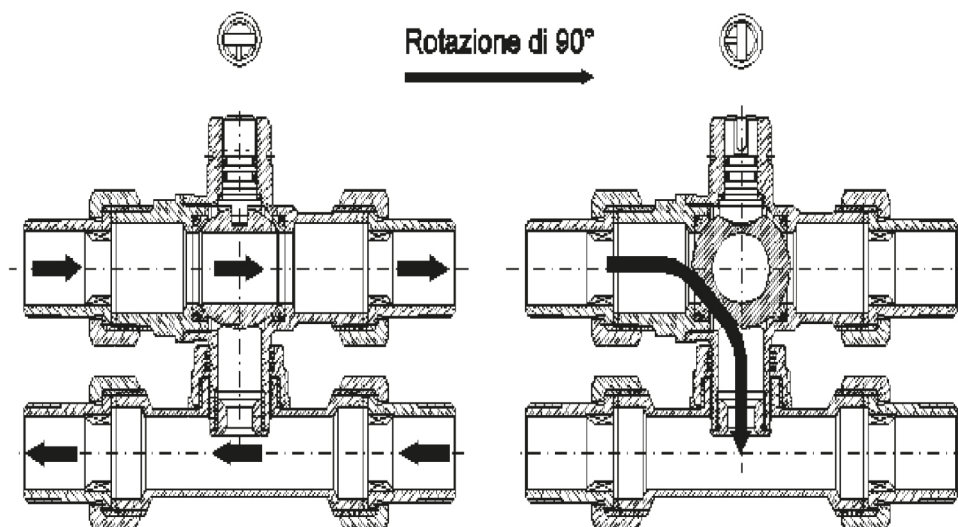
The 986 zone valve is ideal for systems where one wishes to avoid installing differential bypass valves to maintain the project pressure. This is possible thanks to the presence of a nozzle, calibrated to maintain the same loss in flow capacity that occurs when the valve is open.

The screwdriver cut corresponds to the open position of the valve whilst the notch indicates the bypass position.

The 4-way version, with the varying centre distance between the valve unit and the T, from 49mm to 63mm for  $\frac{3}{4}$ " valves and from 55mm to 63mm for 1" valves, can be connected to most coplanar manifolds.

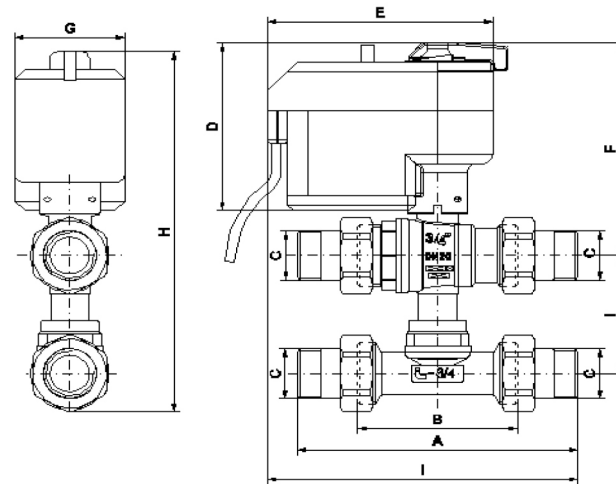
FIG. 5.1

FIG. 5.2





# ELECTRIC ACTUATORS AND ZONE BALL VALVES



	A	B	C	D	E	F	G	H	I	L	PRESSURE kg/cm <sup>2</sup> - bar	LBS WORKING PRESSURE
3/4"	140	80	3/4"	92	120	114	55	197.5	49-63	155	16	230
1"	163	94	1"	92	120	118	55	206	55-63	166.5	16	230

## WARNING:

The servo control must never be mounted facing downwards.

When installing in metal boxes it is necessary to leave enough space above the servo control for the unblocking device manoeuvres and for eventual maintenances or replacements.

To limit the overall dimensions, position the interception valves as illustrated in fig. 7.2,7.3

To install art 986 in boxes it is necessary to correctly line up the pipes with the coplanar manifold to avoid excessive stress between the servo motor and the valve unit.

FIG. 7.1

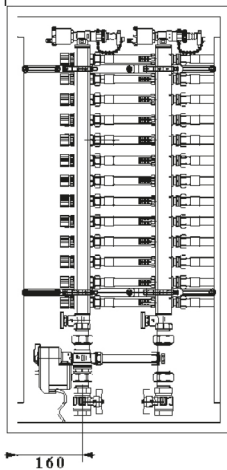


FIG. 7.2

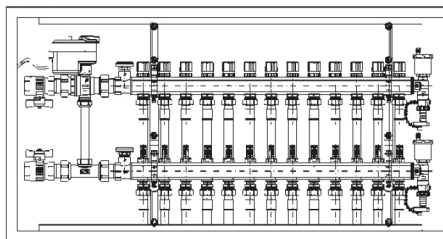


FIG. 7.3

