Proportional Pneumatic Joystick Controls
PNEUMATIC JOYSTICKS 866000 Series
• Single Axis

The 866000 Series controller is a single axis, pneumatic proportional, pilot control valve which gives an output pressure that is proportionate to handle movement. Two pressure regulated work ports control the position of pneumatic actuators on mobile directional valves. Each 866000 joystick will control one bi-directional valve section and may be stacked together to allow multi-section control from one assembly.

NOTE: units in mm

*Maximum supply pressure = 150 psi
PNEUMATIC JOYSTICKS  866000 Series

• Dual Axis

The 866800 Series controller is a dual axis, pneumatic proportional, pilot control valve. It is identical in operation to the 866000 Series but with four pressure regulated work ports for controlling two bi-directional valve sections. These joysticks are available with several handle configurations and many switch options.

Options:

• Side or bottom work ports at 1/8” npt - 866 000/800
• Detent pos. A, pos. B, center or combination
• Many handle styles/switch options - 866 000/800

For other available options consult factory.

The Manufacturer reserves the right to make changes without notice.

866800 - Mounting Plate Dimensions
PNEUMATIC JOYSTICKS  866000 Series

• Technical data

Connections: 1/8 NPT.

Max supply pressure: 10 bar (145psi).

Max control pressure: 8 bar (116psi)

Flow capacity: 7 NI/s (14.8 cfm free flow).

Hysteresis: Max 1 Bar (14.5 psi).

Lever force: 3.1Nm, (2.29lbf-ft), (actuated).

Weight: 0.8kg/section (7.76lb).

Min ambient temperature: -30°C (86°F)
(Assuming dry air or use of agent to reduce freezing point).

Max ambient temperature: +70°C (158°F).

Filtration: max 20um or better.
Air quality determines service life of the valve.

Material:

Valves brass.
Plunche bearing Nylon.
Plunch Stainless steel.
Sealings NBR, 70 shore.
Top plate Zink die cast.
Body Plastic injection molded.
Body lower part Zinc die cast.
Screws, nuts steel, galvanized.
Hex head plugs Aluminium, anodized.