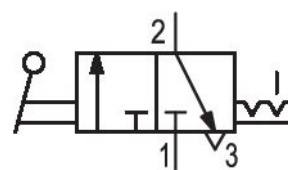


3/2-directional valve, Series A-Pilotair®

R431004998

General series information
AVENTICS Series A-Pilotair Directional valves

- manually operated



Technical data

Industry	Industrial
Type	2-HA-1L
Activation	Manual
Nominal flow Q _n	1308.72 l/min
Compressed air connection output	Ø 1/4"
Working pressure min.	0 bar
Working pressure max.	13.7 bar
Sealing principle	Soft Seal
Type	Poppet valve
Type	With latch
Version	2-HA-1L
Control pressure min.	0 bar
Control pressure max.	17.3 bar
Min. ambient temperature	-40 °C
Max. ambient temperature	71 °C

Min. medium temperature	-40 °C
Max. medium temperature	71 °C
Medium	Compressed air
Oil content of compressed air min.	0 mg/m ³
Oil content of compressed air max.	1 mg/m ³
Max. particle size	50 µm
Compressed air connection input	Ø 1/4"
Weight	0.68 kg
Housing material	Die-cast aluminum
Surface housing	black painted
Part No.	R431004998

Technical information

The model 2-HA-1 valve is a panel mounted, handle operated 3-way valve with 1/4" NPT inlet and outlet ports. It contains a spring opposed detent cam to hold the handle in either of its two extreme positions.

The 2-HA-1L model is with an additional external handle latch which requires manual release to insure against unintentional operation.

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in <https://www.emerson.com/en-us/support>).

Technical drawing of the 1000 Series Ball Valve, showing front and top views with dimensions.

Front View Dimensions:

- Overall Width: $3 \frac{11}{32}$
- Top Flange Width: $1 \frac{7}{8}$
- Top Flange Height: $6 \frac{17}{32}^*$
- Body Height: $2 \frac{9}{32}$
- Bottom Flange Height: $2 \frac{9}{32}$

Top View Dimensions:

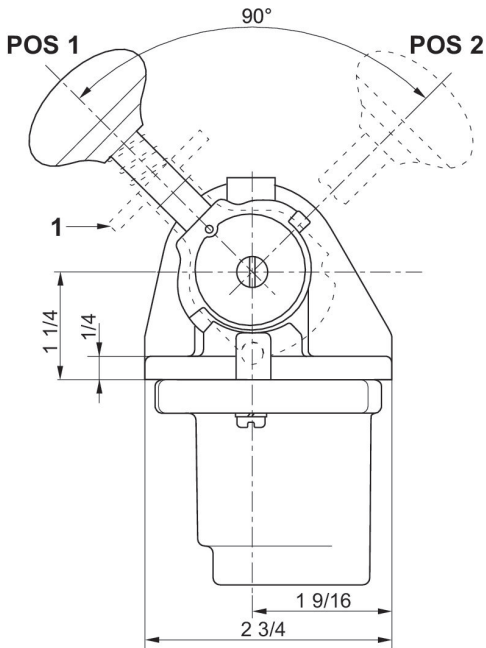
- Overall Width: $2 \frac{3}{16}$
- Distance from Center to Top Flange: $1''$
- Distance from Center to Bottom Flange: $2 \frac{3}{16}$
- Distance from Center to Side Flange: $2 \frac{3}{16}$
- Distance from Center to Top Flange (Inner): $1''$
- Distance from Center to Bottom Flange (Inner): $2 \frac{3}{16}$
- Distance from Center to Side Flange (Inner): $2 \frac{3}{16}$
- Distance from Center to Top Flange (Outer): $1''$
- Distance from Center to Bottom Flange (Outer): $2 \frac{3}{16}$
- Distance from Center to Side Flange (Outer): $2 \frac{3}{16}$
- Distance from Center to Top Flange (Inner): $1''$
- Distance from Center to Bottom Flange (Inner): $2 \frac{3}{16}$
- Distance from Center to Side Flange (Inner): $2 \frac{3}{16}$
- Distance from Center to Top Flange (Outer): $1''$
- Distance from Center to Bottom Flange (Outer): $2 \frac{3}{16}$
- Distance from Center to Side Flange (Outer): $2 \frac{3}{16}$

Notes:

- *Dimension is for standard handle. Other handle options available.

*Also available with handle 2" longer

Handle position



1) Optional Handle Latch

Handle position

Handle position	1	2
Out Port Supplied		X

X denotes port supplied in that position. Empty block denotes port exhausted in that position.