

Series H-Controlair®



Technical data

Industry
Type

Industrial
Version H-2
OUT port – delivers increasing pressure in direct proportion to clockwise lever travel from minimum pressure position (facing lever side of valve).

Type
Actuating element
Type
Compressed air connection input
Compressed air connection output
Compressed air connection type output
Min. working pressure
Max. working pressure
Min. regulation range
Max. regulation range
Min. ambient temperature
Max. ambient temperature
Min. medium temperature
Max. medium temperature

Poppet valve
Lever
H-2-LX
1/4 NPT
1/4 NPT
Internal thread
0.1 bar
14 bar
0.1 bar
8.6 bar
-40 °C
70 °C
-40 °C
70 °C

Medium	Compressed air
Nominal flow Qn	900 l/min
Hysteresis	< 0,07 bar
Weight	2.5 kg
Housing material	Die-cast aluminum
Seal material	Acrylonitrile butadiene rubber
Material pedal	Die-cast aluminum
Part No.	R431007326

Technical information

IN port = pressure supply

OUT port – delivers increasing pressure in direct proportion to clockwise lever travel from minimum pressure position (facing lever side of valve).

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>).

Overview drawing

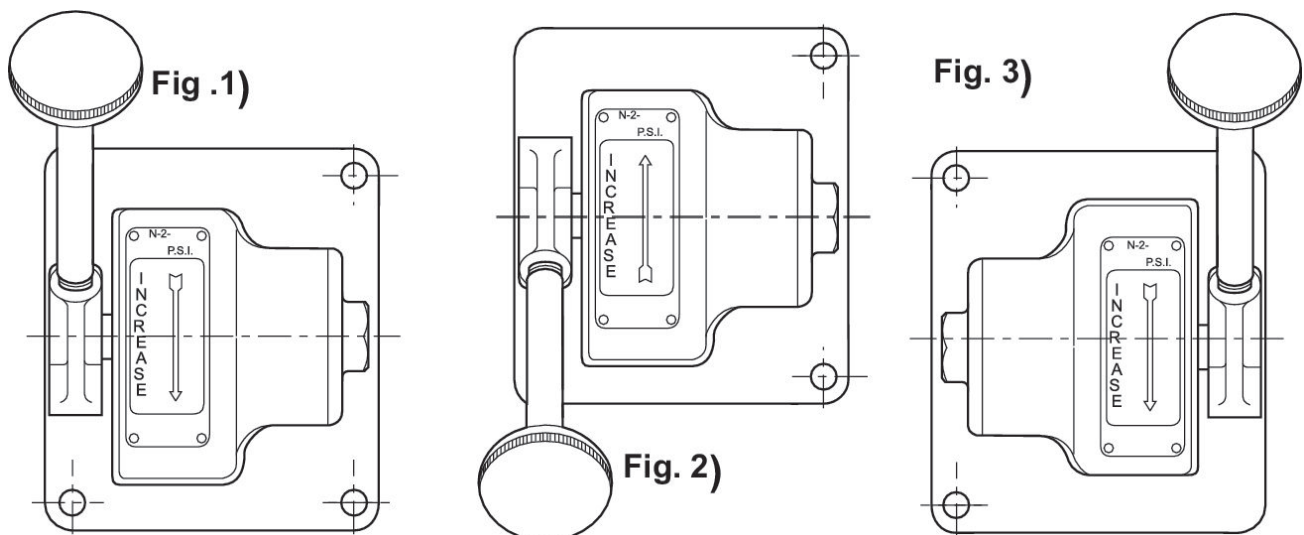


Fig. 1 Reverse name plate, standard cam

Fig. 2 Standard name plate, reverse cam

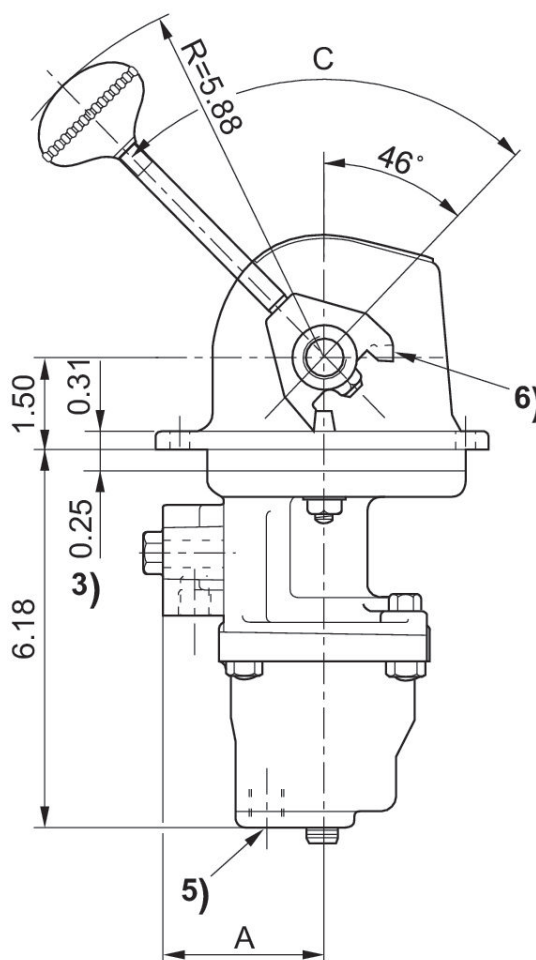
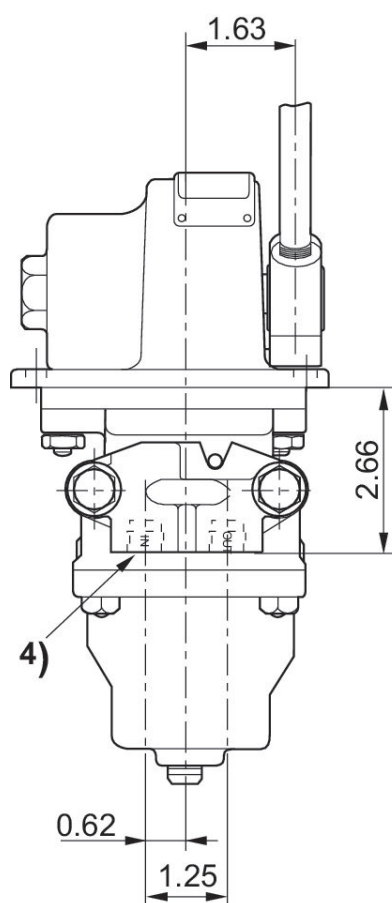
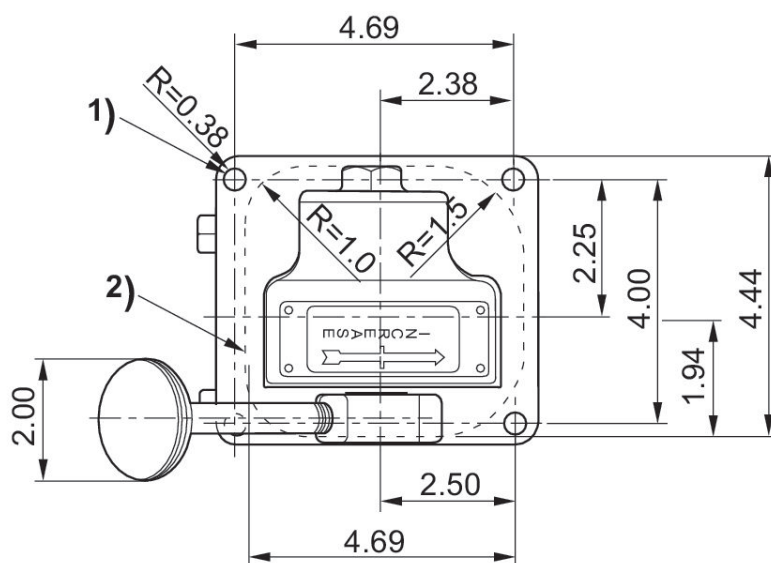
Fig. 3 Reverse name plate, reverse cam

R431007326

H-
Controlair®

2024-04-02

Dimensions in inches

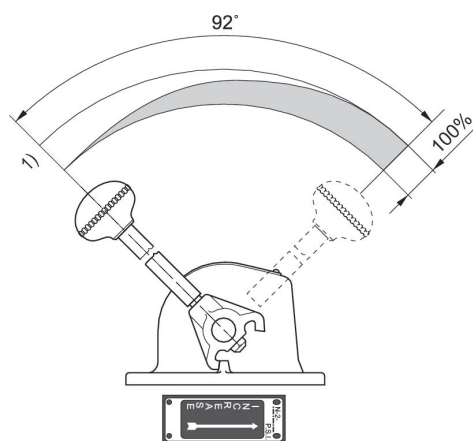


- 1) Mounting hole Ø34
- 2) panel mounting hole
- 3) Mounting plate max. 25 mm thick
- 4) 1/4 NPT

5) exhaust open

6) 92° lever travel shown, reverse handle yoke for 78° lever travel version

Function



1) OUT port