

Series H-Controlair®

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

- Qn = 900 l/min

- Actuating element Lever

- Internal thread

- Poppet valve

- H-2-X H-2-FX H-2-LX



Type	Poppet valve
Working pressure min./max.	0.1 ... 14 bar
Adjustment range min./max.	See table below
Ambient temperature min./max.	-40 ... 70 °C
Medium temperature min./max.	-40 ... 70 °C
Medium	Compressed air
Nominal flow Qn	900 l/min
Hysteresis	0.07 bar
Weight	2.5 kg

Technical data

Part No.	Type	Compressed air connection Input	Compressed air connection Output
R431002638	H-2-X	1/4 NPT	1/4 NPT
R431002639	H-2-X	1/4 NPT	1/4 NPT
R431002640	H-2-X	1/4 NPT	1/4 NPT
R431002641	H-2-X	1/4 NPT	1/4 NPT
R431002642	H-2-X	1/4 NPT	1/4 NPT
R431007252	H-2-X	1/4 NPT	1/4 NPT
R431007323	H-2-X	1/4 NPT	1/4 NPT
R431007234	H-2-X	1/4 NPT	1/4 NPT
R431002643	H-2-FX	1/4 NPT	1/4 NPT
R431002644	H-2-FX	1/4 NPT	1/4 NPT
R431002645	H-2-FX	1/4 NPT	1/4 NPT
R431002646	H-2-FX	1/4 NPT	1/4 NPT
R431002647	H-2-FX	1/4 NPT	1/4 NPT
R431002648	H-2-FX	1/4 NPT	1/4 NPT
R431002649	H-2-FX	1/4 NPT	1/4 NPT
R431002650	H-2-FX	1/4 NPT	1/4 NPT
R431002651	H-2-FX	1/4 NPT	1/4 NPT
R431007308	H-2-FX	1/4 NPT	1/4 NPT
R431007328	H-2-FX	1/4 NPT	1/4 NPT
R431007329	H-2-FX	1/4 NPT	1/4 NPT
R431002652	H-2-LX	1/4 NPT	1/4 NPT
R431002653	H-2-LX	1/4 NPT	1/4 NPT
R431002654	H-2-LX	1/4 NPT	1/4 NPT

Part No.	Type	Compressed air connection Input	Compressed air connection Output
R431002655	H-2-LX	1/4 NPT	1/4 NPT
R431007326	H-2-LX	1/4 NPT	1/4 NPT
R431007325	H-2-LX	1/4 NPT	1/4 NPT
R431007327	H-2-LX	1/4 NPT	1/4 NPT

Part No.	Compressed air connection type Output	Adjustment range min./max.	Fig.
R431002638	Internal thread	0.1 ... 4.5 bar	-
R431002639	Internal thread	0.1 ... 6.9 bar	-
R431002640	Internal thread	0.1 ... 8.6 bar	-
R431002641	Internal thread	0.1 ... 10.4 bar	-
R431002642	Internal thread	0.1 ... 2 bar	-
R431007252	Internal thread	0.1 ... 8.6 bar	Fig. 1
R431007323	Internal thread	0.1 ... 8.6 bar	Fig. 2
R431007234	Internal thread	0.1 ... 8.6 bar	Fig. 3
R431002643	Internal thread	0.1 ... 4.5 bar	-
R431002644	Internal thread	0.1 ... 6.9 bar	-
R431002645	Internal thread	0.1 ... 8.6 bar	-
R431002646	Internal thread	0.1 ... 10.4 bar	-
R431002647	Internal thread	0.1 ... 12 bar	-
R431002648	Internal thread	0.1 ... 5.5 bar	-
R431002649	Internal thread	0.1 ... 4.5 bar	-
R431002650	Internal thread	0.1 ... 6.2 bar	-
R431002651	Internal thread	0.1 ... 12 bar	-
R431007308	Internal thread	0.1 ... 6.9 bar	Fig. 1
R431007328	Internal thread	0.1 ... 8.6 bar	Fig. 2
R431007329	Internal thread	0.1 ... 8.6 bar	Fig. 3
R431002652	Internal thread	0.1 ... 4.5 bar	-
R431002653	Internal thread	0.1 ... 6.9 bar	-
R431002654	Internal thread	0.1 ... 8.6 bar	-
R431002655	Internal thread	0.1 ... 10.4 bar	-
R431007326	Internal thread	0.1 ... 8.6 bar	Fig. 1
R431007325	Internal thread	0.1 ... 8.6 bar	Fig. 2
R431007327	Internal thread	0.1 ... 8.6 bar	Fig. 3

H-2-X - Lever returns to minimum pressure position when released., H-2-FX - Lever remains in the position when released., H-2-LX - Lever returns to minimum pressure position when released from any position except maximum pressure position.

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).

Technical information

Material	
Housing	Die-cast aluminum
Pedal	Die-cast aluminum
Seals	Acrylonitrile butadiene rubber

Dimensions

Overview drawing

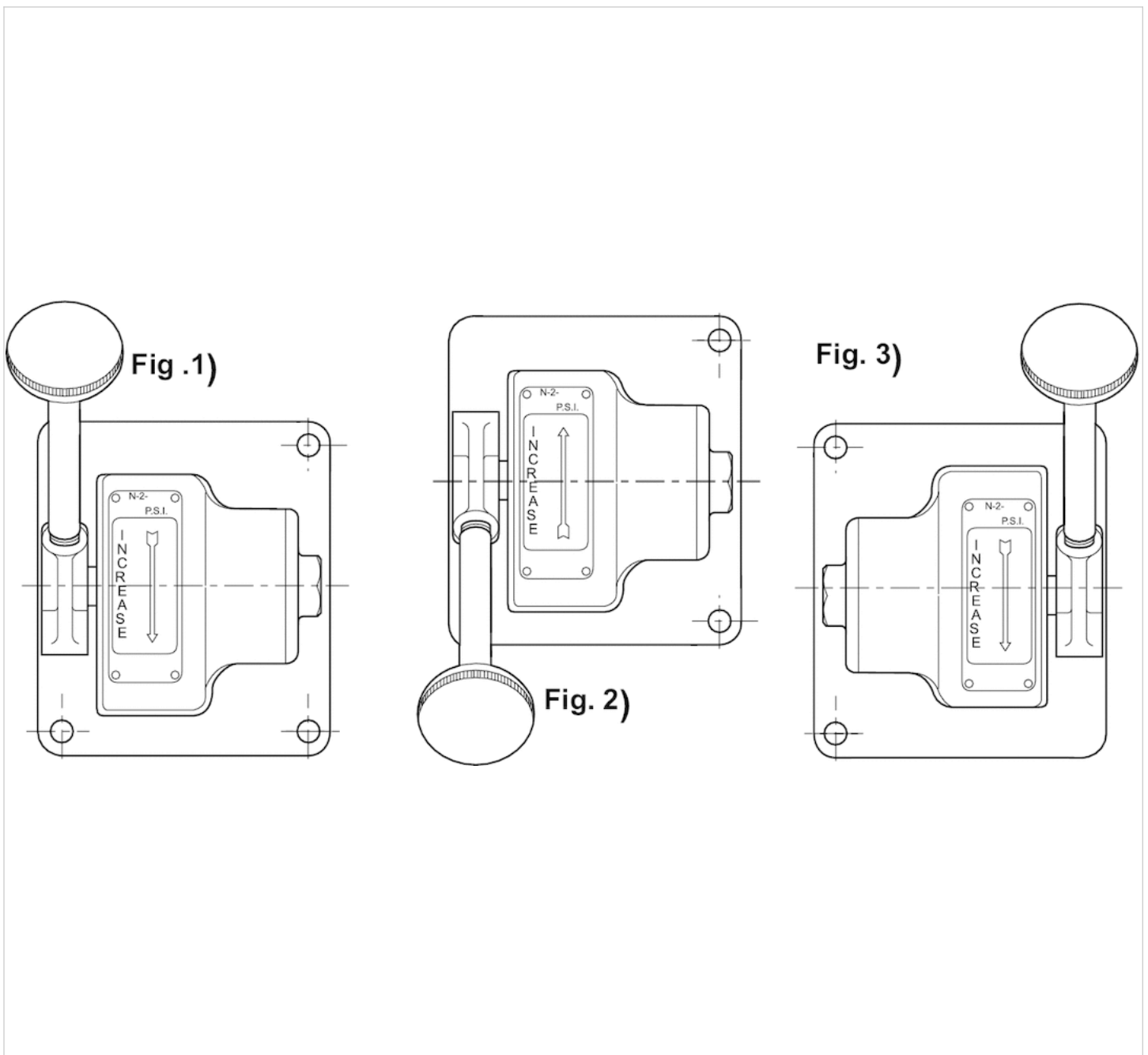
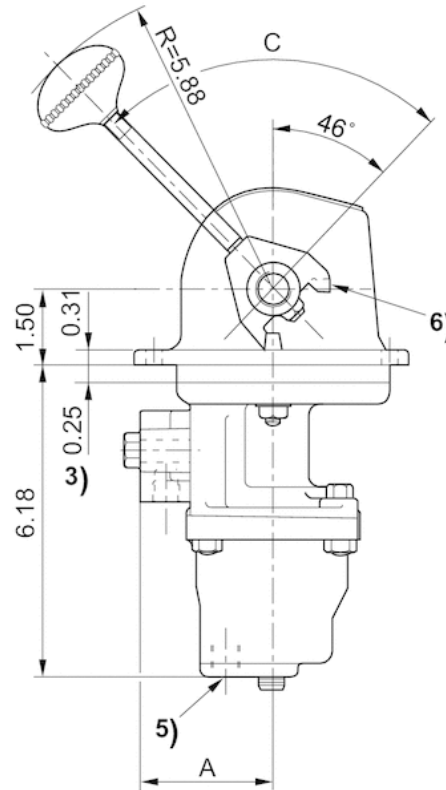
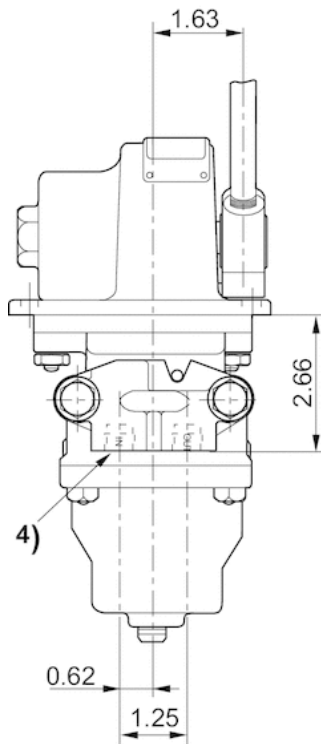
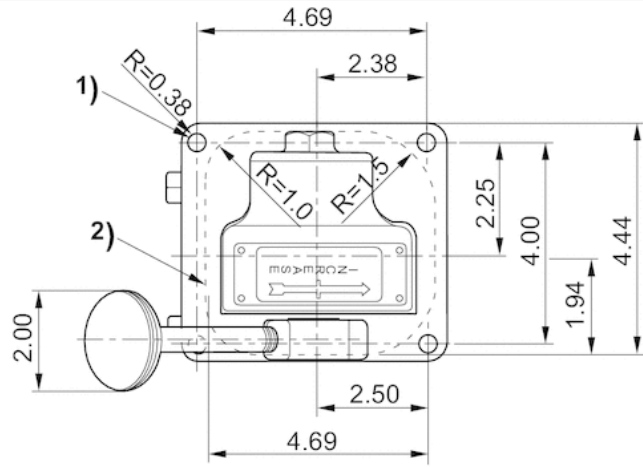


Fig. 1 Reverse name plate, standard cam

Fig. 2 Standard name plate, reverse cam

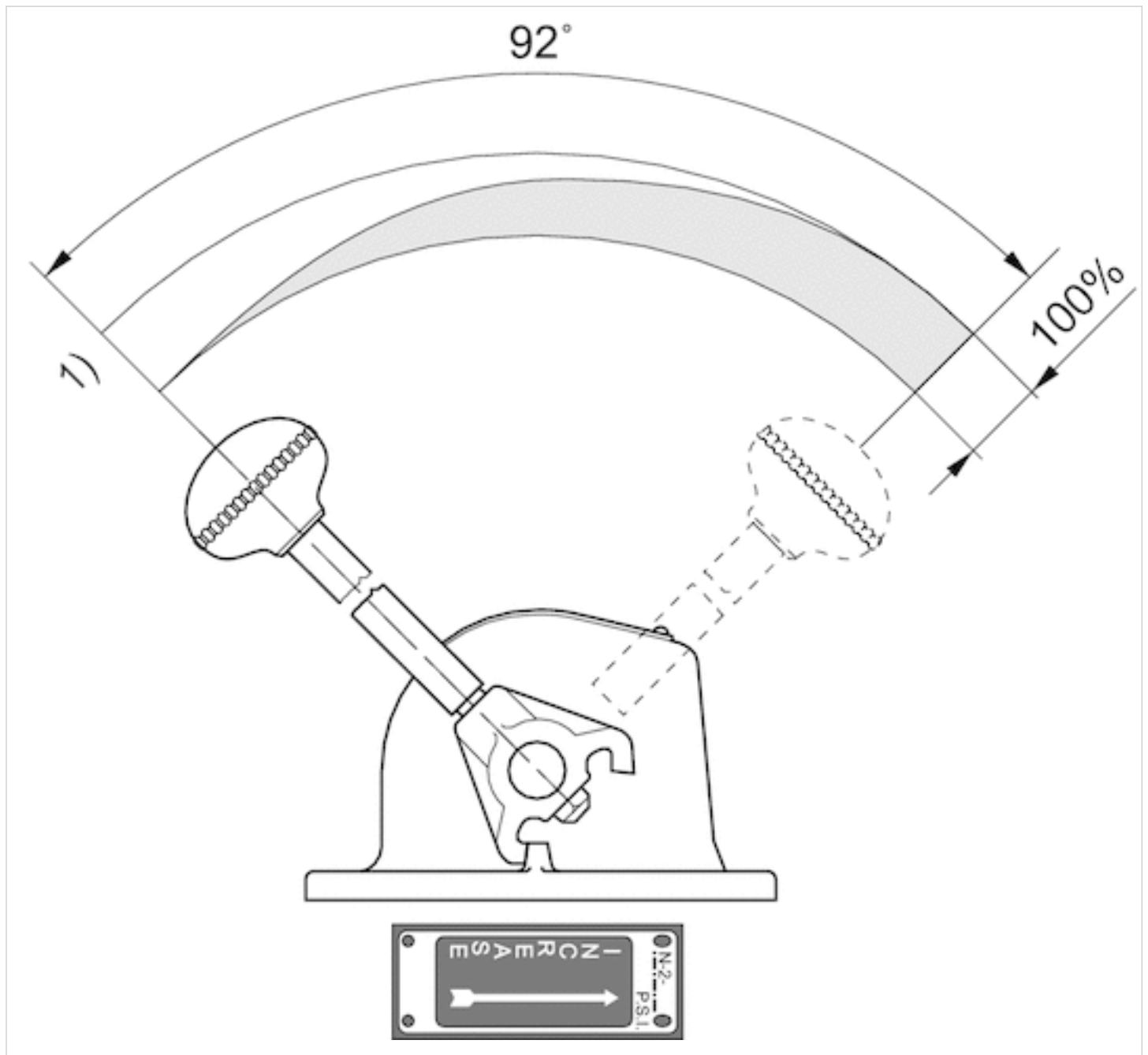
Fig. 3 Reverse name plate, reverse cam

Dimensions in inches



- 1) Mounting hole $\varnothing 34$
- 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) Pressure vs. lever travel

Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



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