

Series H-Controlair®

- Version HD-2, OUT port – delivers increasing pressure when lever is moved in either direction from “Neutral” (facing lever side of valve).
- $Q_n = 900 \text{ l/min}$
- Actuating element Lever
- Internal thread
- Poppet valve
- HD-2-X HD-2-FX HD-2-LX HD-2-XS



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 Q_n	900 l/min
Hysteresis	0.1 bar
Weight	2.3 kg

Technical data

Part No.	Type	Compressed air connection Input	Compressed air connection Output
R431002831	HD-2-X	1/4 NPT	1/4 NPT
R431002832	HD-2-X	1/4 NPT	1/4 NPT
R431002833	HD-2-X	1/4 NPT	1/4 NPT
R431002834	HD-2-X	1/4 NPT	1/4 NPT
R431002823	HD-2-FX	1/4 NPT	1/4 NPT
R431002824	HD-2-FX	1/4 NPT	1/4 NPT
R431002825	HD-2-FX	1/4 NPT	1/4 NPT
R431002826	HD-2-FX	1/4 NPT	1/4 NPT
R431002827	HD-2-LX	1/4 NPT	1/4 NPT
R431002828	HD-2-LX	1/4 NPT	1/4 NPT
R431002829	HD-2-LX	1/4 NPT	1/4 NPT
R431002830	HD-2-LX	1/4 NPT	1/4 NPT
R431009025	HD-2-XS	1/4 NPT	1/4 NPT

Part No.	Compressed air connection type Output	Adjustment range min./max.
R431002831	Internal thread	0.1 ... 4.5 bar
R431002832	Internal thread	0.1 ... 6.9 bar
R431002833	Internal thread	0.1 ... 8.6 bar
R431002834	Internal thread	0.1 ... 10.4 bar
R431002823	Internal thread	0.1 ... 4.5 bar
R431002824	Internal thread	0.1 ... 6.9 bar
R431002825	Internal thread	0.1 ... 8.6 bar
R431002826	Internal thread	0.1 ... 10.4 bar

Part No.	Compressed air connection type Output	Adjustment range min./max.
R431002827	Internal thread	0.1 ... 4.5 bar
R431002828	Internal thread	0.1 ... 6.9 bar
R431002829	Internal thread	0.1 ... 8.6 bar
R431002830	Internal thread	0.1 ... 10.4 bar
R431009025	Internal thread	0.1 ... 4.5 bar

HD-2-x - The lever returns from the extreme position to the valve's "Neutral" or "Off" position when the operating force is removed., HD-2-FX - Lever remains in the position when released., HD-2-LX - The lever returns from the extreme position to the valve's "Neutral" or "Off" position when the operating force is removed. No graduate pressure delivery from Port 8 when handle is moved away from pipe bracket., HD-2-XS - The lever returns from the extreme position to the valve's "Neutral" or "Off" position when the operating force is removed. No graduate pressure delivery from Port 8 when handle is moved away from pipe bracket.

Technical information

IN port = pressure supply

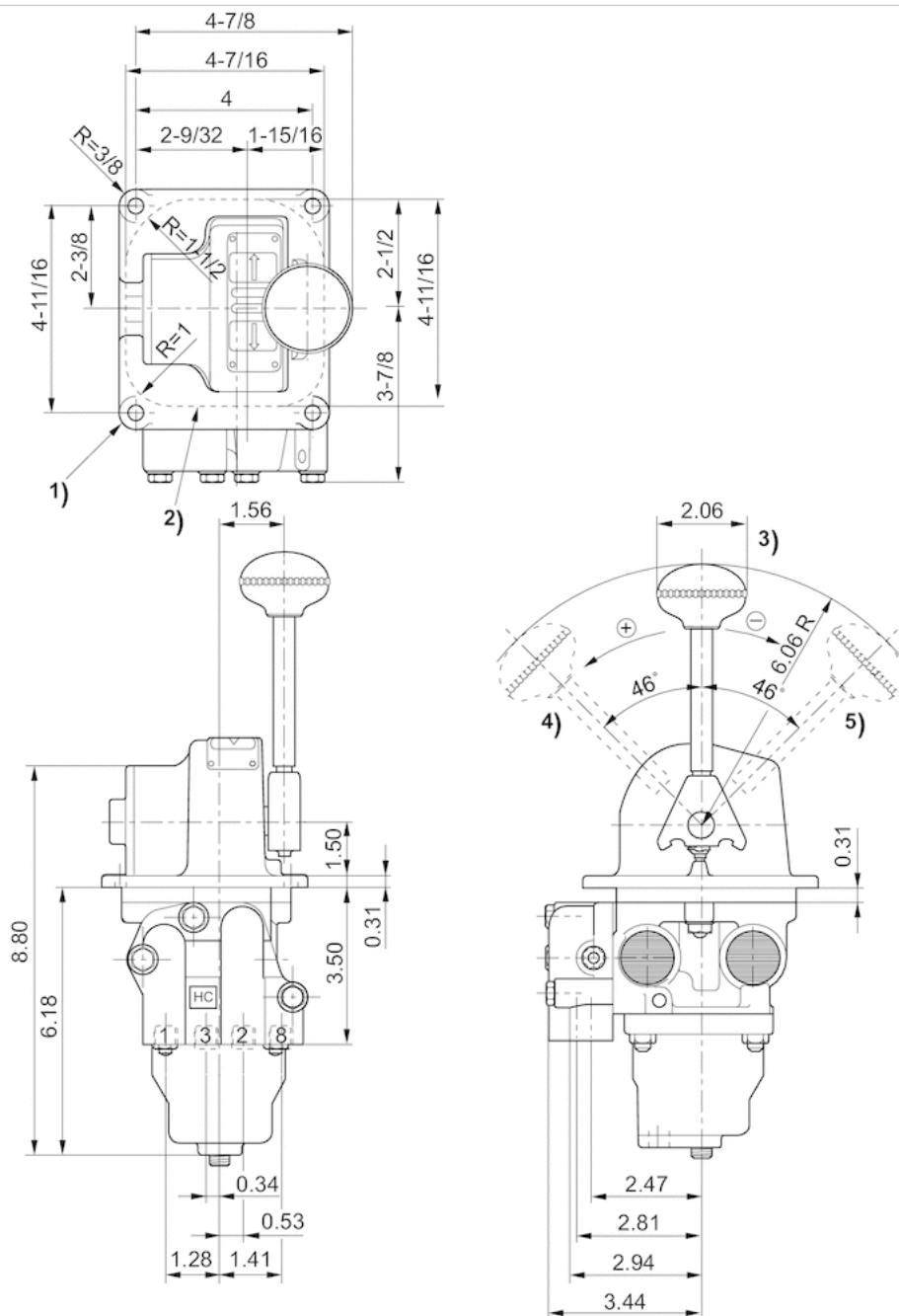
OUT port – delivers increasing pressure when lever is moved in either direction from "Neutral" (facing lever side of valve).

Technical information

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

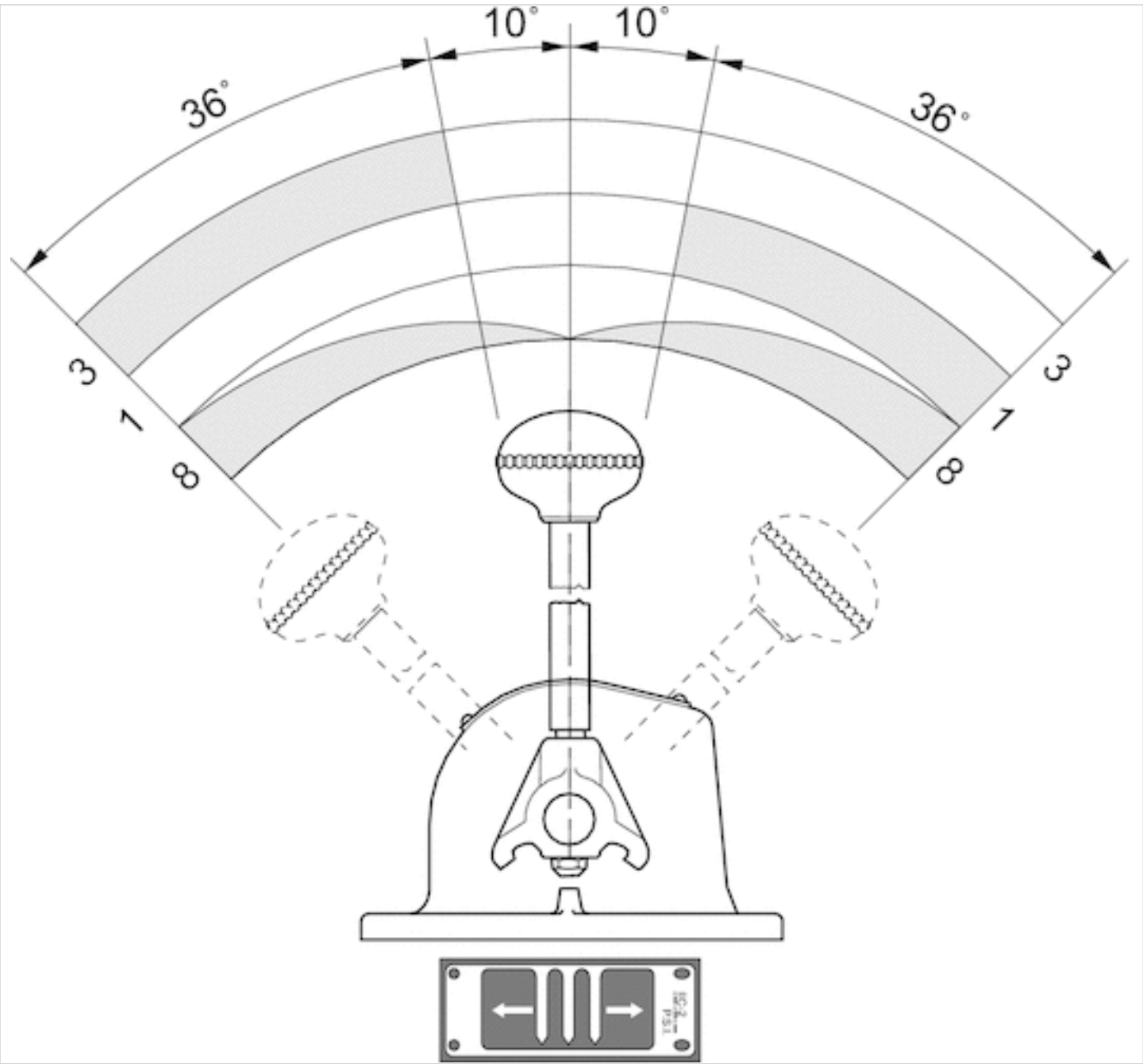
Dimensions

Dimensions in inches



- 1) Mounting hole Ø11/32
- 2) panel mounting hole
- 3) Handle position 2
- 4) Handle position 3
- 5) Handle position 1

Function



Pressure vs. lever travel

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



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