AUTOMATIC CONDENSATE DRAIN – HAD20B



DESCRIPTION

HAD20B has been developed for fully automatic discharging of condensate or any other non-aggressive fluid from compressed air(1) system. The unit can be installed as external drain on any application specified below. Condensate accumulates in the aluminium reservoir and when the level is high enough condensate is being discharged from the system without any air losses. Direct acting valve is operated by precise level controlled floater which assures reliable and efficient operation. Thanks to robust aluminium housing HAD20B is suitable for heavy duty applications. HAD20B is also equipped with separate manual drain for venting.

APPLICATIONS (2)

- Air Compressor (piston or screw)
- After-cooler
- Cyclone condensate separator
- Pressure vessel/Air tank
- Air dryer
- Air filter

(1) For any other technical gas please contact us or your local dealer
(2) HAD20B can be used in variety of applications. For applications not listed please contact us or your local dealer.

TECHNICAL SPECIFICATION

Operating temperature	1,5 - 65 °C	35 - 149 °F
Operating pressure	0 - 20 bar(g)	0 - 290 psi
Minimum operating pressure	1,5bar (g)	21,8 psi
Operating media	Condensate (air, water, oil); Non-aggressive	
Nominal discharge capacity	167 l/h (at 7barg)	252 l/h(at 16barg)
Discharge orifice cross connection	1,8mm	0,0708 inch
Inlet connection	G ½"	
Outlet connection	G ½"	
Reserved volume	0,4 l	
Weight	0,6 kg	
Valve type	Direct acting, Normally closed	

MATERIALS

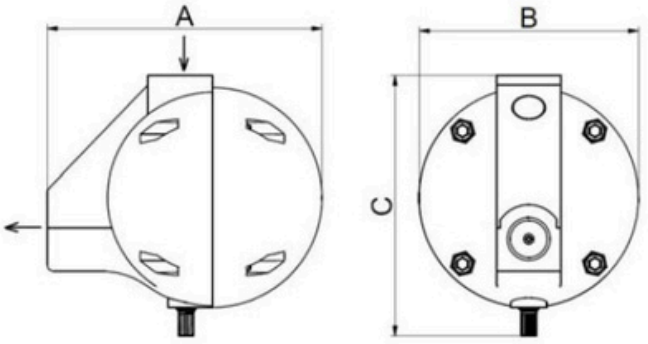
Housing material	Aluminium (EN-AC-46000)
Fittings, Screws	Brass, Brass-zinc plated, Steel
Floater	Stainless steel 1.4301
Sealing	NBR
Cover	PA 6

DIMENSIONS

Type	A	B	C
HAD20B	135	110	130

PRESSURE EQUIPMENT DIRECTIVE PED 97/23/CE (Fluid group 2)

Product type	Category, module
HAD20B	Not required

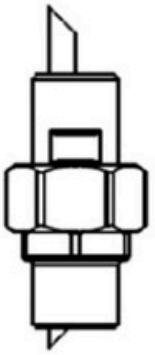


MAINTENANCE

Once per year make a visual check of the drain and make sure there is no visual damage or leakage. Clean interior of the reservoir regularly. Intervals of cleaning depend on contamination of condensate. Replace the sealing if necessary.

RECCOMENDATIONS

- We recommend the use of ball valve between pressure vessel and inlet connection.
- We recommend the use of strainer element between pressure vessel and inlet connection.
- We recommend the use of nipple with venting tube to avoid generation of air bubbles. Nipple is screwed in inlet connection.



CALCULATION OF CAPACITY

For rough calculation of discharge capacity at certain pressure use following equation:

$Q = 63\sqrt{\Delta p}$ *Example: if operating at 7barg;* $Q = 63\sqrt{7} = 166{,}7$

Condensate discharged from compressed air system contains significant amounts of lubricant oil. We strongly recommend connecting HAD20B to oil water separator. In most countries content of oil in waste water is regulated by law.

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