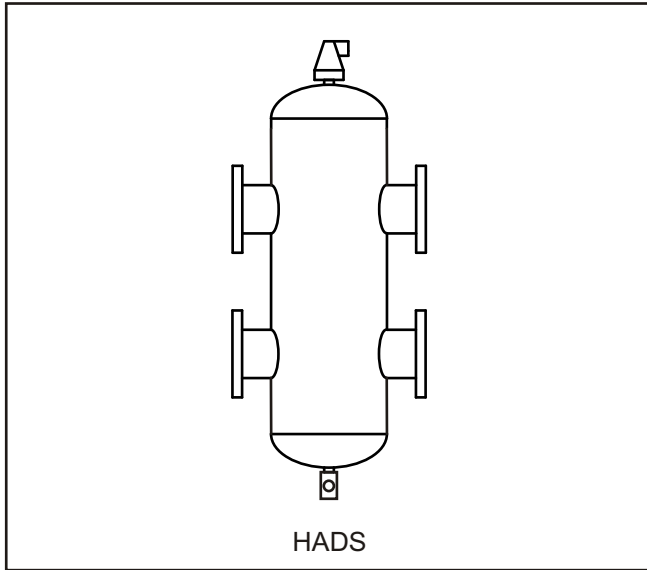


HEADER AND AIR & DIRT SEPARATOR Model HADS



APPLICATIONS

Combined low loss header and micro-bubble air and dirt separators are designed to correct hydraulic imbalance, whilst removing air and dirt from heating and cooling systems.

This model includes two dynamic concentrators which merge bubbles and micro-bubbles using the principles of adhesion, which then float to the top from where they are vented to the outside.

Simultaneously, dirt particles heavier than water sink to the bottom of the chamber, where they can be drained off periodically through the bottom drain valve.

A perforated sheet encourages effective hydraulic balancing.

They can be used accordingly for the following applications:-

- Low Temperature Heating (LTHW)
- Chilled Water (CHW)
- Condenser Water (Cond.W)

Nominal Size DN (mm)	Installation Length (mm)	Overall Height (mm)	System Capacity (kW)	Maximum Flow Rate (m ³ /hr)	Product Code (MODEL-SIZE-ENDS)
50	350	950	100-200	5-15	HADS-050-PN16
65	350	950	180-330	10-17	HADS-065-PN16
80	470	1265	300-450	15-30	HADS-080-PN16
100	470	1265	400-770	25-55	HADS-100-PN16
125	635	1767	700-1200	35-80	HADS-125-PN16
150	774	2175	1000-1700	55-120	HADS-150-PN16
200	1000	2895	1500-2800	90-200	HADS-200-PN16
250	1220	3646	2500-4500	110-350	HADS-250-PN16
300	1220	3646	4200-6400	150-500	HADS-300-PN16
350	1580	4525	6000-7700	200-600	HADS-350-PN16
400	1870	5115	7000-10000	250-800	HADS-400-PN16

The data above is for non PED and SEP applications only.

SPECIFICATION

HADS (PN16) - Steel chamber with steel flanged connections to BS4504 / EN1092 PN16. With top mounted brass automatic air vent and bottom mounted drain valve.

Tested by TNO Institute of Environmental and Energy Technology and Delft University of Technology.

Nominal size DN150 and larger are fitted with feet as standard.

Also available with WELD ends.

Conforms with PED* 97/23/EC. *Pressure Equipment Directive.

OPERATING PARAMETERS

Flanged and Weld End models

- Working Temperature = 120 °C.
- Working Pressure = 10 Barg.
- Cold Test Pressure = 15 Barg.