Mullaghboy
Industrial Park
Navan Co Meath

NEGATIVE PRESSURE AUTODRAIN

PRODUCT SPECIFICATION SHEET PS - 8905-03E

Introduction:

The Ntron Negative Pressure Autodrain is a pre-conditioning component used in addition to a standard Ntron Sample Conditioning Package to assure analyser reliability. The Autodrain provides continuous, maintenance-free draining of liquids accumulated in the sample train by Ntron Sample Conditioning components including: the Ntron Spray Scrubber, Coalescing Prefilter or Liquid Trap.

Operation:

The Ntron Autodrain is a barometric leg, vacuum-lock that allows accumulated liquid to be removed from the sample train without allowing ambient air contamination. Accumulated liquid is held in the vertical cylinder until its level reaches the overflow port. From the overflow port the liquid is piped to a suitable drain, or returned to the process vessel. A sight tube on its side shows the liquid level inside the Autodrain.

Features:

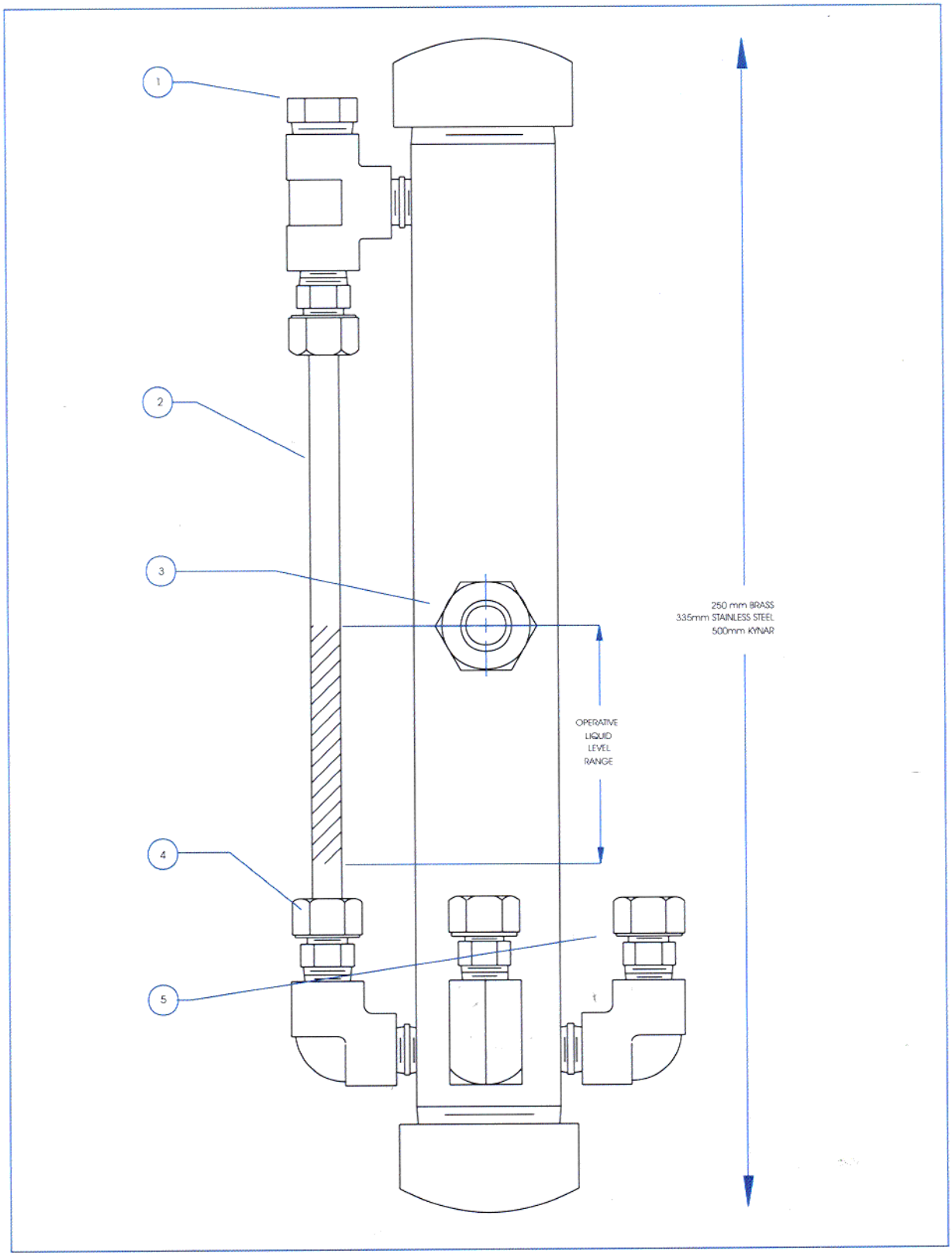
- Eliminates maintenance by continuously draining liquids from sampling components.
- Available in Corrosion resistant materials
- Prevents ambient air from contaminating sample
- Easy installation

Installation:

Before using, the Autodrain must be filled to the overflow port with water. To prevent accumulated liquid from being drawn into the sample line by the sample vacuum, the Autodrain must be mounted 1.5 metres below the point of entry into the sample train. This distance is based on the 140 mBar vacuum created by the Ntron aspirator. The Ntron Autodrain can drain up to two liquid sources on a sample train, minimising additional equipment cost.

SPECIFICATIONS	
Materials of Construction:	Stainless Steel Kynar
Process Connections:	Entry Ports; 3/8" Tube Connnections Outlet Port; 3/8" NPT
Drainage Capacity:	2 lpm

NEGATIVE PRESSURE AUTODRAIN



NEGATIVE PRESSURE AUTODRAIN - SCHEMATIC

1. Fill Plug 1/2" NPT Port
2. Teflon Sight Tube
3. Drainage Port (Brass - 3/8" NPT, Stainless Steel - 3.8" NPT, Kynar - 1/2" NPT)
4. Entry Port 2 - 3/8" OD Tube Compression Fitting (Plugged for single Brass)
5. Primary Entry Port - 3/8" Tube Compression Fitting