

**THE MODULE**

The 7 Way InoVane® Water Vertical Multi Vane louvre, which is the heart of the system, is a compact mechanical separator which can be used independently or in combination with secondary filter elements in a variety of air filtration systems.

It is designed to conquer tough water contaminants, providing clean, smooth air flow in a range of applications and conditions. The self-draining feature makes it ideal for locations where heavy contaminant of water loading is a problem for conventional air-intake filtration.

The strong corrosion resistant construction means the Modules may be installed in hostile environments. In addition, (based upon the choice of materials) gives a wide ambient temperature variations – maintaining stability and operational integrity from - 55°C to + 200°C.

**REDUCING WATER**

By greatly reducing water from secondary filter elements in a system, the InoVane® modules provides long-term economies by lowering the pressure drop of an air-intake system. Used alone, it removes 100% of water droplets 12 microns and larger from an air stream.

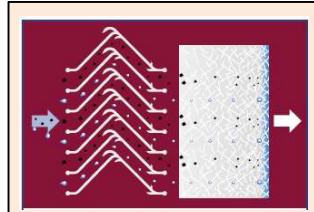
**Material**

**Unit enclosure / Casing:**

- Galvanized steel
- Stainless steel
- Marine aluminium.

**InoVane® Water profiles:**

- High Density PP
- Stainless steel
- Marine Aluminium



The great combination of Inertial and mechanical filtration makes the IFS to an excellent choice.

# Integrated Filter System

**InoVane IFS** two stage filter system is based upon experiences from a large number of installations on board all types of ships.

IFS principle:

- InoVane Inertial droplet separator
- Coalescer filter

Fine droplets not caught by InoVane are efficiently separated in the Coalescer filter as well as large amounts of dust.

Service from downstream side

IFS size	Capacity m³/h	W x H mm
11	3 500	775x833
12	7 000	775x1448
13	10 500	775x2063
22	14 000	1350x1448
23	21 000	1350x2063
24	28 000	1350x2678
33	31 500	1966x2063
34	42 000	1966x2678
43	42 000	2581x2063
44	56 000	2581x2678

**Capacity**

InoVane IFS design removes 100% of water droplets and handles big water loads up to 18l/min based upon 1m² area of your face opening.

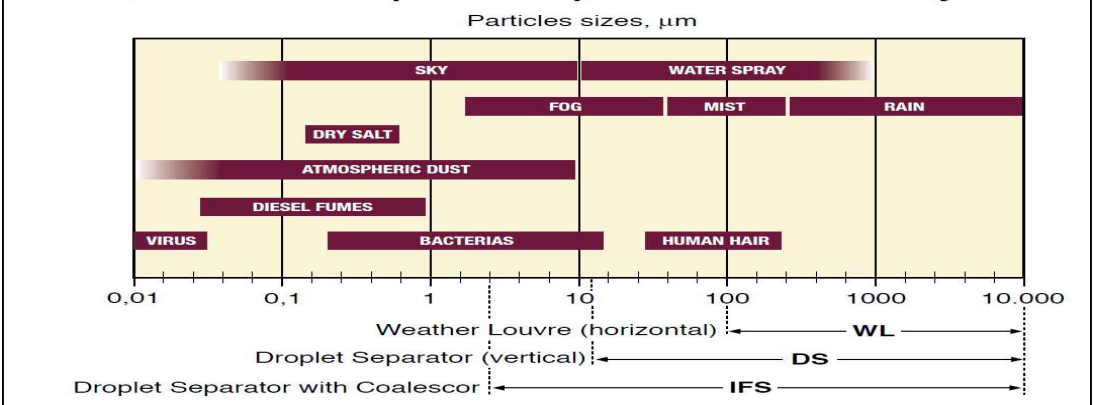
**Design**

The InoVane IFS is easy to install and comes as one complete "all included" product. The housing may be produced in stainless steel alternative Marine grade aluminium

**Service** - The Coalescer filter may be serviced from:

- 1). Clean Air side, the filters are to be removed from downstream inside the boat.
- 2). Raw Air side, the vane modules are possible to open as doors.
- 3). In-line, the filters are accessed from a side mounted service door.

**Particle sizes and separation options of air intake systems**



for all types of ships and vessels as well as offshore platforms

