SFDA400

Strainer air separator

Data sheet: *DS/FD/0002/EN Ed. 05-2022*

Isoil compact strainer air separator SFDA400 protect meters from damage due to foreign particles and at the same time they also eliminate air/gas in the fluid thus granting high accuracy in measurement.

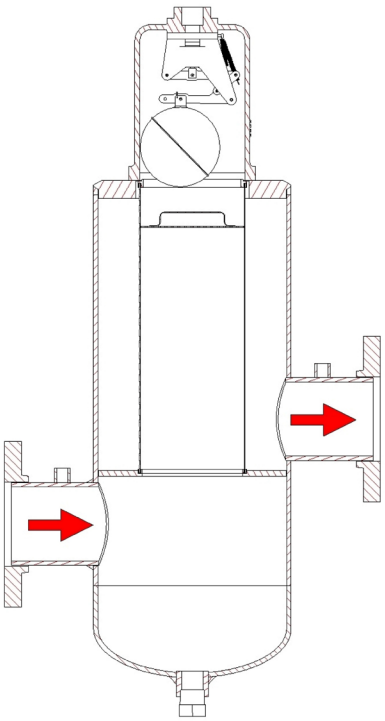
Working principle

When entering the air separator, the fluid flows through a basket which is made of a filtering mesh. In this way foreign particles in the fluid are held by the strainer and dropped on the bottom so that they can then be removed through the lower drain plug.

Since the designing and assembling of measuring instruments must guarantee a high-level metrological standard, the strainer has been designed to convey eventual air into the gas-separator.

The more air in the system, the more the floating-sphere sinks thus opening the air vent valve.

When all the air has been vented out, the rising level of fluid makes the sphere rise up again and the mechanism closes the air-strainer.



Features

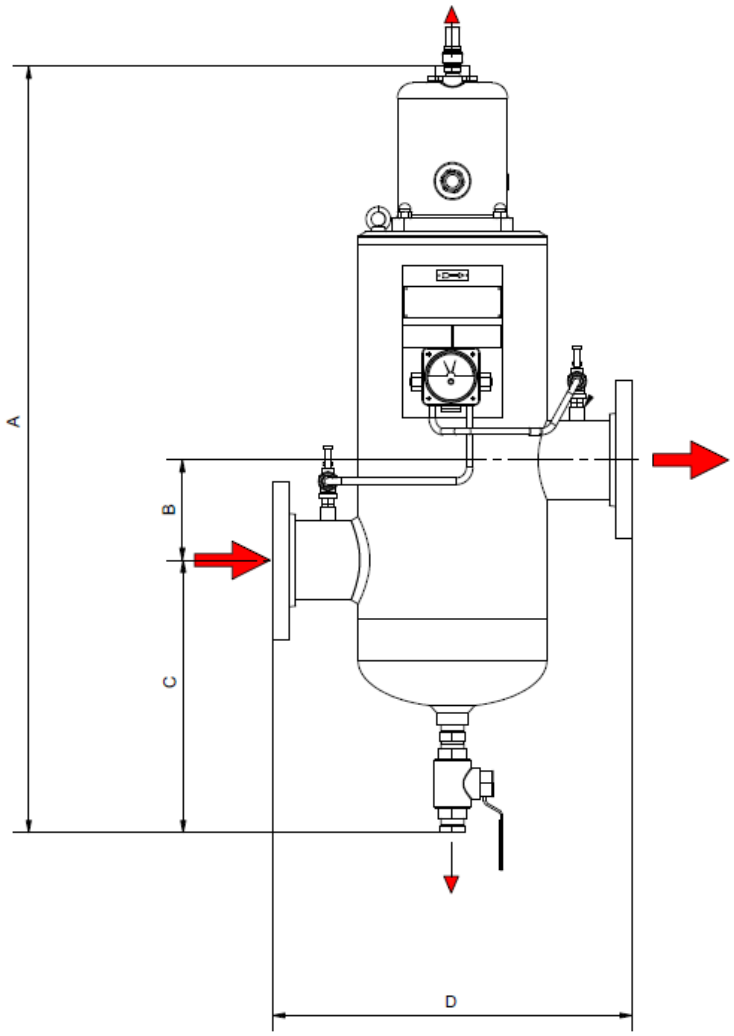
In order to choose the right filtering mesh, consider fluid type.

For ISOIL P.D.meters we suggest 100 mesh for gasoline, 60 mesh for diesel oil and 40 mesh for fuel oils.

ISOIL IMPIANTI S.p. A
24061 Albano S. Alessandro (BG) – Italy
Tel. +39 02 91988 5 - Fax. +39 02 66012457
sales@isoil-impianti.it
www.isolmeter.com

Dimensions

Indicative dimensions in mm



VERSION	A	B	C	D	FLANGES
SFDA 400	1108	145	394	520	4" ANSI 150 RF

Accessories (upon request)

* Differential pressure gauge with local indicator
* Pressure gauge
* Ball valve for drainage 1"NPT-F

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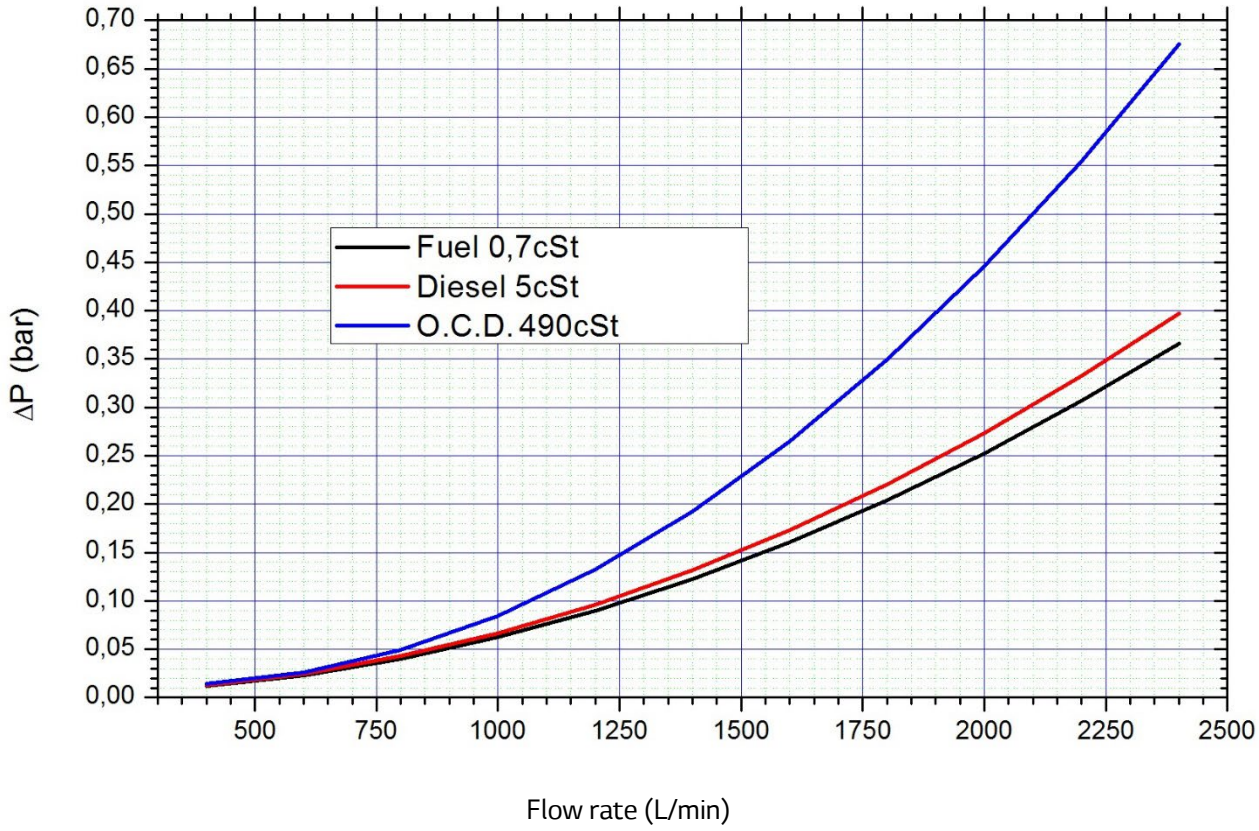
Pressure Drop with clean basket



Technical data

Maximum operating pressure:	*1,000 kPa*
Maximum differential pressure with dirty strainer:	*150 kPa*
Standard working temperature:	*-10° ÷50 °C* *(non-standard temperatures upon request)*

Construction

Flanges:	*ANSI 150 RF (other flanges upon request)*
Strainer body:	*Carbon steel (stainless steel upon request)*
Strainer basket:	*Stainless steel*
Cap:	*Aluminum*
Air vent valve:	*Aluminum body* *Anodized aluminum piston (stainless steel upon request)* *Stainless steel sphere*

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