

HUMIDITY SEPARATORS

S16 PN 16

DESCRIPTION

The S16 series centrifugal separators remove moisture from steam and compressed air pipelines. Steam and compressed air pass through the separator and, as a result of centrifugal forces, impacts and swirling effects, the particles with a heavier specific gravity, such as water and oil droplets, moisture in suspension, dirt and scale are separated from the fluid.

The condensate collected at the bottom of the separator must be automatically drained by a suitable steam or compressed air trap.

MAIN FEATURES

Several possibilities of installation.
 No moving parts.

OPTIONS: Zinc plated carbon steel (compressed air).
 Flanged condensate connection.

USE: Steam, compressed air and other gases
 (Group 2).

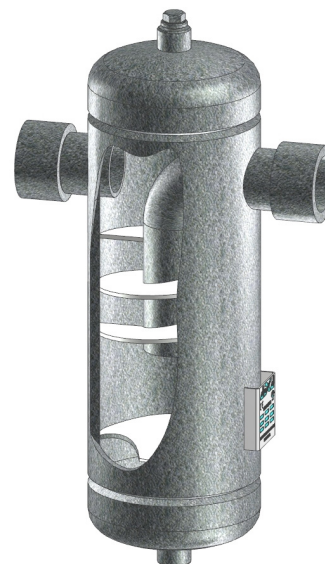
AVAILABLE MODELS:

S16S – carbon steel.
 S16SS – stainless steel.

SIZES: 1/2" to 2".

CONNECTIONS: Female threaded ISO 7 Rp or NPT.

INSTALLATION: Always with the condensate discharge pointing downwards.
 See IMI – Installation and maintenance instructions.



CE MARKING – GROUP 2 (PED – European Directive)

PN 16	Category
1/2" to 1"	SEP
1 1/4" to 2"	1 (CE marked)

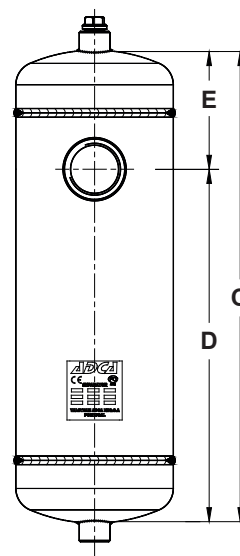
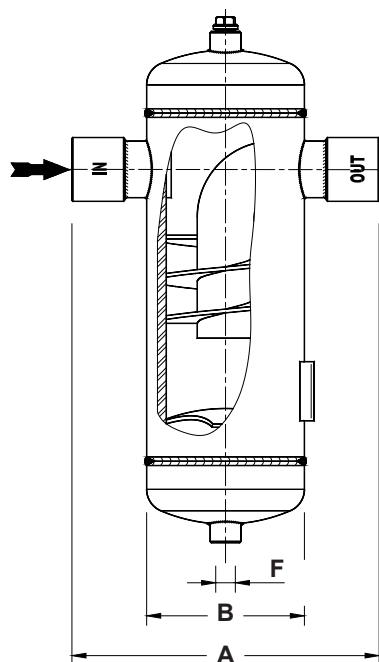
BODY LIMITING CONDITIONS *			
S16S		S16SS	
ALLOWABLE PRESSURE	RELATED TEMPERATURE	ALLOWABLE PRESSURE	RELATED TEMPERATURE
16 bar	50 °C	16 bar	50 °C
14 bar	100 °C	15,1 bar	100 °C
13 bar **	195 °C	12,7 bar	200 °C
12 bar	250 °C	12 bar **	250 °C

* Rating according to EN 1092-1:2018.

** PMO – Max. operating pressure for saturated steam.

Minimum operating temperature: -10 °C.

Design code: AD-Merkblatt.



APPROXIMATE DIMENSIONS (mm) *

SIZE	A	B	C	D	E	F **	VOLUME (L)	WEIGHT (kg)
1/2"	210	114	260	185	75	1/2"	2,2	3,2
3/4"	210	114	260	185	75	1/2"	2,3	3,6
1"	210	114	300	200	100	1/2"	2,7	4,2
1 1/4"	245	141	395	285	110	1/2"	5,5	7,4
1 1/2"	260	141	435	320	115	1/2"	6,1	8,6
2"	300	168	505	385	120	1/2"	10,9	11,7

* For certified values, consult manufacturer.

** As standard, in separators manufactured with ISO 7 Rp threads, the drain connection is also female threaded ISO 7 Rp. In versions with NPT threads, this connection is also female threaded NPT. Alternatively, EN 1092-1 or ASME B16.5 flanged drain connection can be supplied (ASME in the same class as main connections).

Remarks: The top of the separator is supplied with a threaded connection which size does not exceed the size of the drain connection. This connection is always supplied with a threaded socket. It can be used for air venting or balance pipe connection.

MATERIALS

DESIGNATION	S16S	S16SS
Body	P235GH / 1.0325	AISI 316L / 1.4404
Heads	P265GH / 1.0425	AISI 316L / 1.4404; AISI 316Ti / 1.4571
Inlet / outlet pipes	P235GH / 1.0325	AISI 316L / 1.4404
Inlet / outlet sockets	ASTMA105 / 1.0432	AISI 316L / 1.4404
Sockets	ASTMA105 / 1.0432	AISI 316L / 1.4404
Internals	S235JR / 1.0038	AISI 316L / 1.4404