

## HUMIDITY SEPARATORS

### Clean Steam Centrifugal Separator

#### S-11

#### ( Inline connections )

#### DESCRIPTION

When wet steam is used in sterilization, moisture in suspension reduces the heat transfer efficiency and the validity of the sterilization process can be compromised.

S-11 series centrifugal separators remove moisture from steam pipelines. Steam passing through the separator and as a result of centrifugal forces, impact and swirling effects, separate the particles with a heavier specific gravity, such as water droplets and moisture in suspension.

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

#### MAIN FEATURES

316L stainless steel construction.

No moving parts.

Self draining design

#### STANDARD SURFACE FINISH

Internal parts: 0,5 microns Ra

External : Satin bead blast finish – 1,6 microns Ra

Mechanical polished as option

#### OPTIONS:

Vent connection

Different kind of connections and dimensions

#### USE:

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

#### AVAILABLE MODELS:

S11

S11A – with air vent connection

#### SIZES:

DN1/2", 3/4", 1", 1 1/2" and 2"

#### PIPE CONNECTIONS:

Clamped ends ASME BPE

Other sanitary clamp or tube weld connections available on request.

#### INSTALLATION:

Always with the condensate discharge pointing downwards.

#### HOW TO SELECT:

Generally, in an existing plant it is advisable to fit a separator with the same size of the pipe line. Pressure drop is normally negligible. For approximate pressure drop calculation please consult.

CE MARKING - GROUP 2 GASES CAT.		
RATING	SIZE	CAT.
PN10	DN1/2" to DN2"	SEP

#### CE Marking

This product has been designed for use on water, steam, air and other gases which are in Group 2 of the PED- European Pressure Equipment Directive 97/23/EC and it complies with those requirements.

The product carries the CE mark when falling in category 1 and above.



LIMITING CONDITIONS		
Rating	Press. bar	Temp. °C
PN10	10	50
	8 *	175
	7,4	200

\*PMO-Max.operating pressure for saturated steam.

Minimum operating temp.: -10°C.

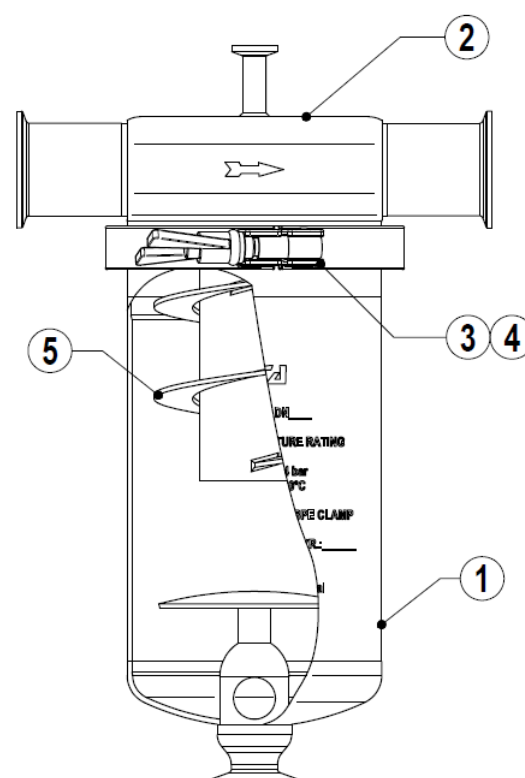
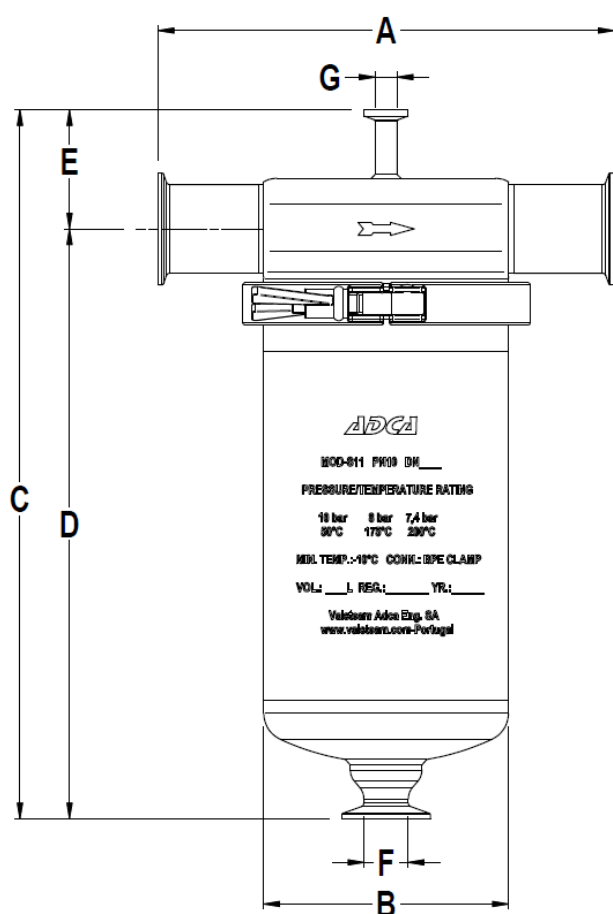
Design code: AD-Merkblatt

**APPROXIMATE DIMENSIONS (mm)**

SIZE DN	A	B	C	D	E	F	G *	VOL. dm3	WGT Kg
1/2"	215	114	340	283	56	1"	1/2"	2,43	2,61
3/4"	215	114	340	283	56	1"	1/2"	2,44	2,61
1"	215	114	340	283	56	1"	1/2"	2,45	2,73
1 1/2"	235	141	405	338	68	1"	1/2"	4,48	5,64
2"	260	141	405	338	68	1"	1/2"	5,54	5,76

Consult factory for certified dimensions. Dimensions subject to change without notice.

\* Vent connection as optional.


**MATERIALS**

POS.	DESIGNATION	MATERIAL
1	Body	AISI 316L / 1.4404
2	Cover	AISI 316L / 1.4404
3	*Clamp	AISI 316L / 1.4404
4	*Seal	VITON
5	Internals	AISI 316L / 1.4404

\* Available spare parts.

EN10204 3.1 certificate available if requested along with the order.

Remarks: FDA/USP Class VI seals certificate on request.

All separators have a serial number. In case of non-standard separator this number must be supplied if spare parts are ordered.