

## 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 passes 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 wetted parts:  $\leq 0,51$  micron Ra – SF1.

External: Satin bead blast finish – 1,6 micron Ra.

Other surface conditions see IS PV20.00-Technical information.

### OPTIONS:

Vent connection.

Different kinds of connections and dimensions.

### USE:

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

### AVAILABLE MODELS:

S11.

S11A – with air vent connection.

### SIZES:

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

### PIPE CONNECTIONS:

Clamped ends ASME BPE.

Other sanitary clamp or tube weld connections available on request.

### PACKAGING:

Assembling and packaging in a clean room certified according to ISO 14644-1.

The product is end capped and vacuum sealed with recyclable plastic film to avoid contamination.

### INSTALLATION:

Always with the condensate discharge pointing downwards. See IMI, installation and maintenance instructions.

### 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 (PED - European Directive)	
PN 10	Category
1/2" to 2"	SEP

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.

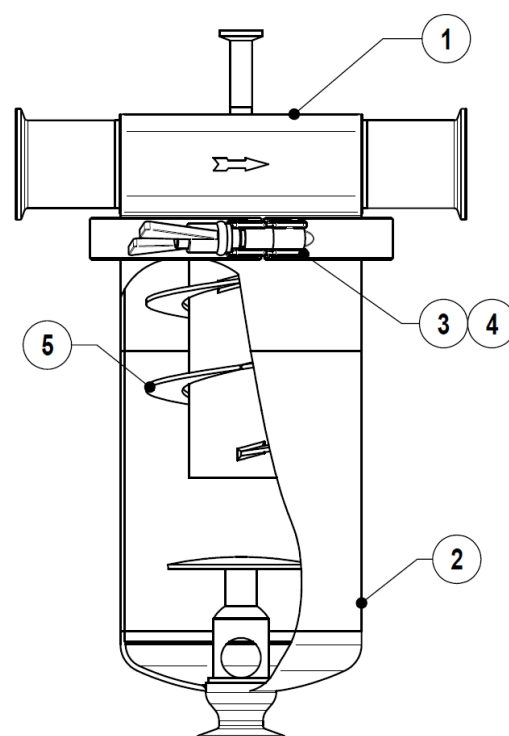
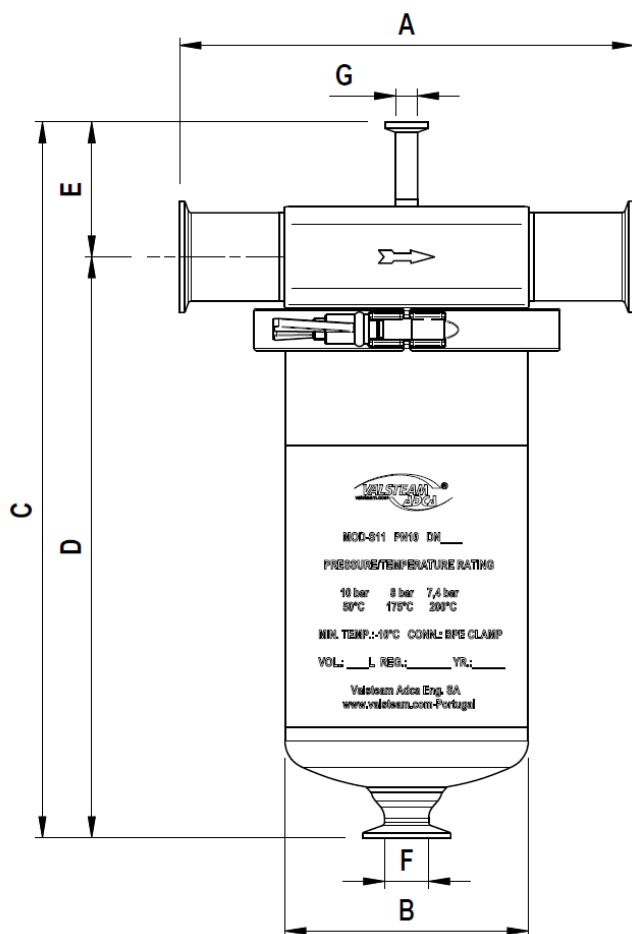
Design code: AD-Merkblatt

**APPROXIMATE DIMENSIONS (mm)**

SIZE	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.