

HUMIDITY SEPARATORS

S16/S
PN 16

DESCRIPTION

S-16 series centrifugal separators remove moisture from steam and compressed air pipelines. Steam and compressed air 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 and oil droplets, moisture in suspension, dirt and scale.

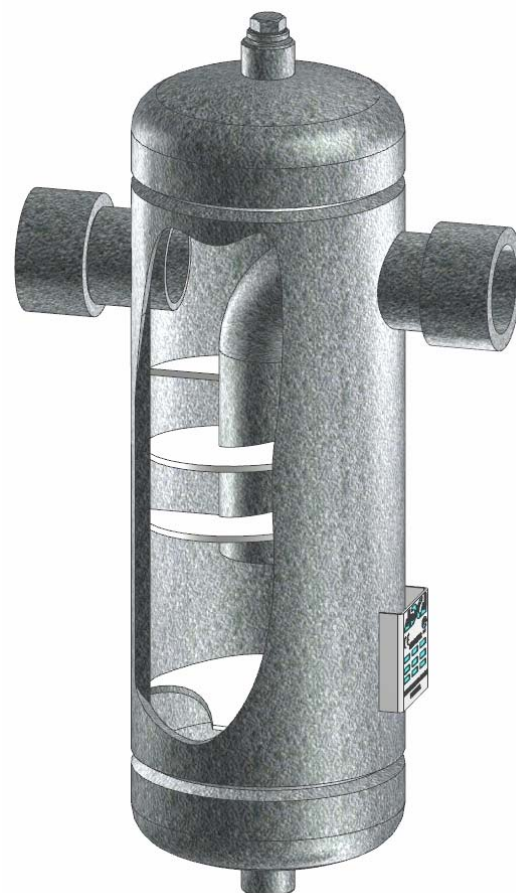
The condensate collected at the bottom of the separator, must be automatically drained by a suitable steam or compressed air trap.

Connections are threaded.

MAIN FEATURES

Several possibilities of installation.

No moving parts.



OPTIONS: Zinc plated (compressed air)
Condensate flanged connection.

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

AVAILABLE MODELS: S16/S - carbon steel body.

SIZES: DN ½" to DN 2".

PIPE CONNECTIONS: Screwed BSP or NPT

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 of the same size of the pipe line. Pressure drop is normally negligible. For approximate pressure drop calculation please consult.



LIMITING CONDITIONS		
Rating	Press. bar	Temp. °C
PN16	16	120
	14 *	198
	13	250

*PMO-Max.operating pressure for saturated steam. Minimum operating temp.: -10°C. Design code: AD-Merkblatt

CE MARKING - GROUP 2 GASES CAT.		
RATING	SIZE	CAT.
PN16	DN 1/2" to DN 1"	SEP
	DN 1 1/4" to DN 2"	1

CE Marking

This product have 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 comply with those requirements. The product carries the CE mark when falling in category 1 and above.

APPROXIMATE DIMENSIONS (mm)								
DN	A	B	C	D	E	F **	VOL. dm3	WGT Kg
1/2"	218	114	260	190	70	1/2"	2	5
3/4"	218	114	260	185	75	1/2"	2,5	6
1"	230	114	300	200	100	1/2"	3	7
1 1/4"	263	140	395	285	110	1/2"	5	12
1 1/2"	263	140	435	325	110	1/2"	5,7	13,8
2"	322	168	505	285	120	1/2"	10,5	19,5

Weight and dimensions to be confirmed in case of order.

** F-screwed drain connection as standard. Alternatively can be supplied flanged DIN or ANSI on the same class of main dimensions.

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

Note: the top of separator is supplied with a threaded connection with size not exceeding the size of drain one. This connection is always supplied closed with a threaded socket. It can be used for air vent or balancing pipe connection.

MATERIALS	
DESIGNATION	MATERIAL
Body	EN10216-2 / P235GH / 1.0325
Heads	EN10028-2 / P265GH / 1.0425
Inlet / Outlet pipes	EN10216-2 / P235GH / 1.0325
Sockets Inlet / Outlet	ASTM A105 / 1.0432
Sockets	ASTM A105 / 1.0432
Internals	EN10025-2 / S235JR / 1.0038

EN10204 3.1 certificate available if requested with the order.

