

## HUMIDITY SEPARATORS S25/S PN 63

### DESCRIPTION

S-25 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 flanged.

### MAIN FEATURES

Several possibilities of installation.

No moving parts.

### OPTIONS:

Zinc plated fabricated carbon steel construction (compressed air)

Condensate flanged connection.

### USE:

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

### AVAILABLE MODELS:

S25/S - carbon steel body.

### SIZES:

DN15 to DN200.

### PIPE CONNECTIONS:

Flanged EN1092-1 PN 63

ANSI Class 600 lbs

SW - Socket weld to ANSI B 16.11

### 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
PN63	58	100
ANSI	47 *	261
CL.600lbs	43	300

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

\*\* Rating according to EN1092:2007.

CE MARKING - GROUP 2 GASES CAT.		
RATING	SIZE	CAT.
PN63	DN15 to DN25	1
	DN32 to DN50	2
	DN65 to DN100	3
	DN125 to DN200	4

**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 EN	B	C	D	E	F **	VOL. dm <sup>3</sup>	WGT Kg	G SW	WGT Kg
15*	245	114	315	210	105	1/2"	2	5,5	200	4,5
20*	245	114	315	202	113	1/2"	2,5	6,5	190	4,6
25*	265	114	350	234	116	1/2"	3	7,8	205	5,5
32*	295	140	435	310	125	1/2"	5	12,8	238	8,8
40*	295	140	475	348	127	1/2"	5,7	14,4	245	9,7
50	340	168	545	395	150	1/2"	10,5	20,6	300	15,6
65	410	219	590	413	177	3/4"	18,5	33	-	-
80	430	219	650	465	185	3/4"	25	39	-	-
100	500	273	755	513	242	3/4"	35,4	58,5	-	-
125	590	324	885	605	280	1"	50	83	-	-
150	625	356	1000	705	295	1"	75	155	-	-
200	680	406	1210	820	390	1"	140	178	-	-

Weight and dimensions to be confirmed in case of order.

\* Supplied with flanges PN100

\*\* F-screwed drain connection as standard. Alternativley can be supplied flanged EN1092-1 or ANSI on the same class of main dimensions.

ANSI flanges 600 lbs available on request.

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 / 1.0305
Heads	EN10028-2 / P265GH / 1.0425
Inlet / Outlet pipes	EN10216-2 / P235GH / 1.0305
EN flanges	EN10222-2 / P250GH / 1.0460
ANSI flanges	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.

FLANGE CONNECTIONS			
Rating	Sep. SIZE	EN STD.	ANSI STD.
PN63	DN15 to DN40	EN1092-1 PN100	ANSI B16.5 Cl.600 lbs
PN63	DN50 to DN200	EN1092-1 PN63	ANSI B16.5 Cl.600 lbs

