



CULINARY STEAM FILTER ISC20I

DESCRIPTION

The ISC20I high efficiency filters are used to remove contaminated particles from gases such as steam and compressed air.

The optimized construction of these units offers low differential pressure at high flow rates.

All sizes are build in two halves and a bottom cover with drain connection, joined by a sanitary clamp ferrule according to DIN 32676 Series A.

The filter elements (replaceable) are made of sintered austenitic stainless steel.

MAIN FEATURES

Several retention rates available. Good durability against aggressive gases.

Porosity level is more than 50% ensuring high particle and dirt load capacity as well as good flow rate at a low differential pressure. Regeneration by ultrasonic bath.

STANDARD SURFACE FINISH Internal parts: $\leq 0,76$ micron Ra – SF3. External : Satin bead blast finish – 1,6 micron Ra. Other surface conditions see IS PV20.00-Technical information.

OPTIONS: Different kind of connections and dimensions.

USE: Steam, compressed air and other gases (Group 2). AVAILABLE MODELS: ISC20I – 1.4404 (AISI 316L).

RETENTION RATES: 1, 5 and 25 micron.

SIZES: 1/4" to 2" threaded. DN10 to DN 80 flanged.

- PIPE CONNECTIONS: Threaded BSP or NPT. Flanged EN PN16 or ANSI class 150lbs. Welded ends and other connections on request.
- INSTALLATION: Horizontal installation always with the drain connection pointing downwards. See IMI, installation and maintenance instructions.

CE MARKING (PED - European Directive)						
Ps 16 bar Ps 12 bar Category						
1/4" to 11/2"; DN10 to DN40	/	SEP				
2"L to 21/2"; DN50L to DN65;	/	1				
/	3"; DN80	2				

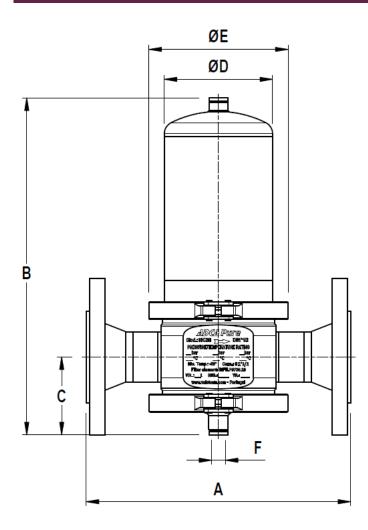


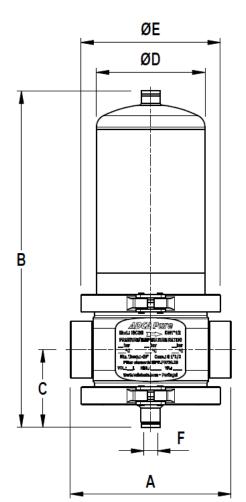


VALSTEAM ADCA









	APPROXIMATE DIMENSIONS (mm)										
SIZE a)	A Screwed	A Tube weld	A Flanged PN16	A Flanged 150lbs	в	с	D	E	F	VOL. * dm3	WGT ** Kg
1/4" - DN08	99	99	/	/	181	56	70	104	1/4"	0,34	3,3
3/8" - DN10	101	101	180	/	214	59	70	104	1/4"	0,45	4,6
1/2" - DN15	107	107	180	203	219	61	70	104	1/4"	0,48	4,9
3/4" - DN20	130	130	202	230	249	64	70	118	1/4"	0,88	7,2
1" - DN25	136	136	212	247	259	69	85	118	1/4"	0,94	7,7
11/4" - DN32	142	142	220	254	329	71	85	118	1/4"	3,87	9,7
11/2" - DN40	154	154	254	294	323	75	104	133	1/4"	2,12	11,4
2"L - DN50L	163	163	260	297	410	81	104	133	1/4"	2,79	13,8
2"H - DN50H	163	163	260	297	537	81	104	133	1/4"	3,81	14,6
21/2" - DN65	/	216	306	356	680	89	129	170	1/4"	8,11	22,5
3"L - DN80L	/	240	340	380	965	99	154	198	1/4"	16,7	35,4
3"H - DN80H	/	240	340	380	965	99	154	198	1/4"	16,7	35,4

a) Suffix L corresponds to low capacity design; suffix H corresponds to high capacity .

* Volume correspond to the class PN16 design.

** Weight correspond to the class PN16 design.

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

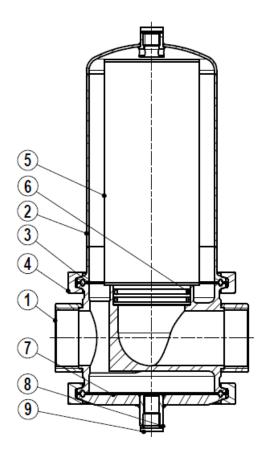
VALSTEAM ADCA





STEAM FILTER DATA INQUIRY				
Steam flow rate	Kg/h			
Saturated steam operating pressure	bar			
Allow able pressure drop (0,07 bar max. recommended)	bar			
Housing material	1.4301 or 1.4404			
Size	DN			
Pipe connections	BSP, Flanged PN16,			
Filter element retention rate	1, 5 or 25 micron			

LIMITING CONDITIONS					
Maximum allow able pressure	DN10-65	16 bar			
Maximum allow able pressure	DN80	12 bar			
Maximum allow able temperature	200 °C				
Minimum allow able temperature	-20 °C				
	EPM	8,5 bar @ 178 °C			
Maximum operating pressure	FLUORAZ	10 bar @ 200 °C			
Minimum operating temperature	0 °C				
Maximum differential pressure		5 bar			
Max and hydroulic test procesure	DN10-65	20,8 bar			
Max. cold hydraulic test pressure	DN80	15,6 bar			



MATERIALS					
POS.	DESIGNATION	ISC20I			
1	Filter housing	AISI 316L / 1.4404			
2	Filter housing cover	AISI 316L / 1.4404			
3	* Seal	PTFE/TFM® Envelope gasket			
4	Closing ring	AIS 304 / 1.4301			
5	* Filter element	Sintered AISI 316L			
5	Filter end caps	AISI 304 / 1.4301			
6	* Filter seal o-rings (2)	EPDM,EPM, FLUORAZ			
7	Bottom cover	AISI 316L / 1.4404			
8	Plug	AISI 304 / 1.4301			
9	Gasket	PTFE			
*	anara narta				

* Available spare parts.

FDA/USP Class VI seals certificate on request.

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

VALSTEAM JDCJ





Filter Model	ISC20I	Ι.	Τ	Α	.	08
ISC20I Filter housing AISI 316L - 1.4404	ISC20I					
Housing seal material	-					
PTFE/TFM (Envelope gasket)			Т			
Pipe connection						
Threaded BSP ISO 7/1 Rp				Α		
Threaded NPT ANSI B1.20.1				С		
Tube weld				Н		
Flanged EN1092-1 PN16				L		
Flanged ANSI B16.5 150#				U		
Size						
1/4" or DN 08						08
3/8" or DN 10						10
1/2" or DN 15						15
2" L or DN 50L						50L
2" H or DN 50H						50H
Special / Extras a)						

Special / Extras a) a)Full description or addicional codes have to be added in case of non-standard combination.

ORDERING CODES - FILTER ELEMENT							
Filter Element Model	ISFE	.	Ρ	0310		01	
ISFE Filter element AISI 316L - 1.4404	ISFE						
Filter to Housing Sealing O-rings							
Without sealing o-rings		((1)				
EPDM (up to 180 ℃)			Е				
EPM (up to 180 ℃)			Ρ				
FLUORAZ (up to 200 ℃)			F				
Filter Size According to Housing DN Connection	on						
1/4" - DN 08				0310			
3/8" - DN 10				0410			
1/2" - DN 15				0420			
3/4" - DN 20				0520	1		
1" - DN 25				0525			
11/4" - DN 32				0725			
11/2" - DN 40				0730			
2"L - DN50L				1030	1		
2"H - DN 50H				1530	1		
21/2" - DN 65				2030	1		
3"L - DN 80L				3030			
3"H - DN 80H				3050	1		
Retention Rate							
1 micron						01	1
5 micron						05	1
25 micron						25	1
Special / Extras b)							E

b)Full description or addicional codes have to be added in case of non-standard combination.

(1) Omitted ; Order example:

Code: ISC20I.TA.50L Code: ISFE.P1030.05

1 ISFE filter element with 5 micron retention rate for the above mention filter Note: we recommend a second filter element as a spare part to ensure a minimum downtime when replacing the one in use after saturation.



We reserve the right to change the design and material of this product without notice.

¹ Adcapure filter housing ISC201 PTFE/TFE seals DN 2" L threaded BSP DN 2"