

WDS

Tank ventilation filters

Housings designed to accommodate filter elements for air filtration during filling and emptying operations tank operations.

The WDS series is manufactured from stainless steel and features clamp and DIN 11851 connections, making it suitable for use in food and pharmaceutical applications.



Features

- Housings suitable for installing from 1 to 8 filter elements code 7 of 10", 20" and 30"
- Complete material traceability.

Construction materials

Body: stainless steel AISI 316L.

Clamp : stainless steel AISI 304.

Surfaces finishing

Internal: fine-brushed.

Roughness downstream of the filter element: $Ra \leq 0,8 \text{ mm}$

External: mirror polishing.

Design and construction

In accordance with EN 13445

Documentation

User manual.

Model	F	Cartridge size	*Weight Kg.	Pos.
WDS-R50-011-B7-S	TC 2"	n°1 x 2071	2,3	1
WDS-R50-012-B7-S		n°1 x 2072	3,2	
WDS-R50-013-B7-S		n°1 x 2073	4,0	
WDS-R80-031-B7-S	TC 3"	n°3 x 2071	7,8	2
WDS-R80-032-B7-S		n°3 x 2072	11	
WDS-R100-051-B7-S	TC 4"	n°5 x 2071	8,3	
WDS-R100-052-B7-S		n°5 x 2072	11,5	
WDS-R100-053-B7-S		n°5 x 2073	14	

Note: The models listed refer to standard versions; for different configurations, please see the options specified in the code information.

* Weight without cartridges

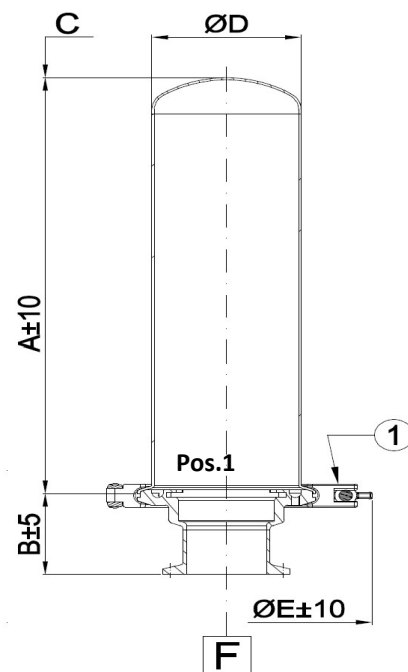
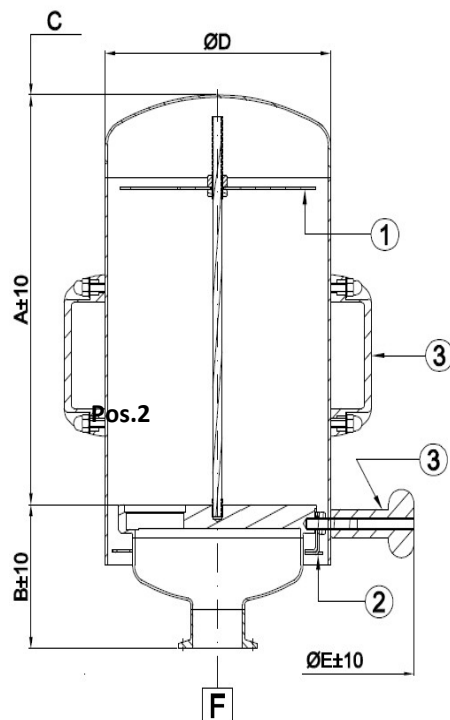
Pos.	Nominal dimensions (mm)				
	A	B	ØD	C	E
1	315	43	88,9	300	130
	565			580	
	815			800	
2	351	97	219	300	400
	605			580	
	345	142		300	550
	595			580	
	845			800	

Code information

Serie	-	Connections		-	Cartridge Q.ty		Cartridge length	-	Cartridge connection		-	Gasket		
WDS		R50	2" TC		01	1	1	10" 2071		B7	SOE codice 7		X	None
		R80	3" TC		03	3	2	20" 2072						
		R100	4" TC		05	5	3	30" 2073						
					08	8								

Example of code

WDS — R50 — 01 2 — B7 — X



Operating limits			
Fluid state	Fluid group	Min/Max Temperature	Pressure
Gas	Group 2 (not dangerous)	0°C /+ 150 °C	ATM
The progressive clogging of the filter or rapid cooling cycle after steam sterilization could cause the collapse of tanks not designed for full vacuum. User is strongly recommended to install protection systems such as rupture disc or vacuum breaker valve.			

SPARE PARTS	
1	Retainer disc
2	Anti-intrusion protection
3	Handle

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The data are informative and subject to change without notice. User is responsible for determining whether the product is fit for particular purpose and suitable for User's method of application.