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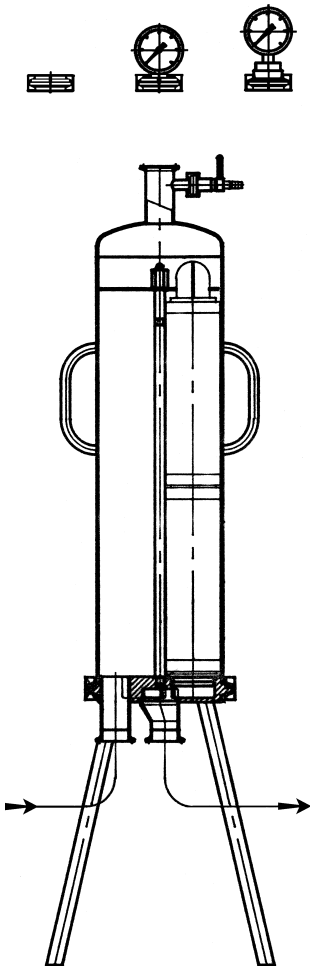


Fluid Purification

SPECIFICATIONS

Microfiltration Products

SANITARY FILTER HOUSING
MODEL 03 ZWC



03ZWC filter housings have been designed to meet the requirements of beverage, cosmetic, electronic, pharmaceutical and chemical industries for final sterilising filtration.

The secure clamp allows quick housing and cartridge access providing a maximum working pressure of 5 barg.

These housings are constructed from 316L stainless steel with various possible surface finish qualities. Inlet/outlet tubings are available in 4 versions, each with 5 possible connections (butt welded, triclover, DIN, macon, SMS male) to meet the European market requirements.

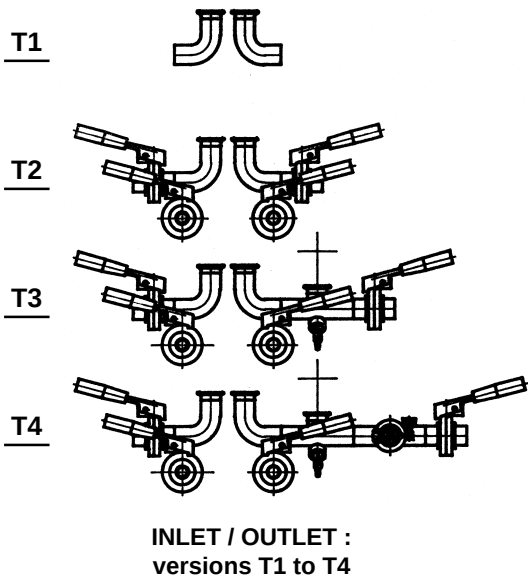
Depending on the application request, this filter assembly has been designed as a complete system which can be isolated (inlet/outlet butterfly valves) and equipped with control tools (manometer, sample valves, sterile sample port,).

The 03ZWC filter housings can be sterilised in-line with steam ; they can be autoclaved or sanitised with hot water.

03ZWC filter housings can accept flow rates up to 10 m³/h using CUNO pleated membrane cartridges (Zetapor, Polypro, Microfluor, etc...). However the optimal flow rate depends on the fluid characteristics.

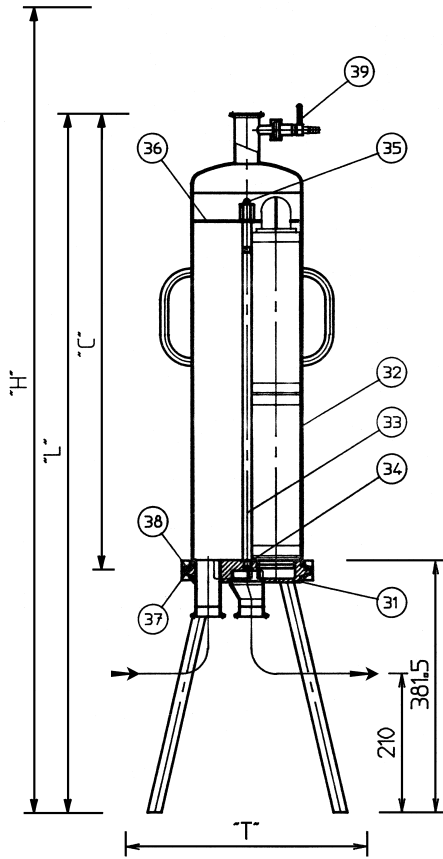
SPECIFICATIONS

DESIGNATION	CONSTRUCTION MATERIAL
Base and dome	316 L stainless steel
Internal parts	316 L stainless steel
Butterfly valves (T2-T4)	316 L stainless steel
Vent : CUNO valve assembly	316 L stainless steel
Sampling valve (T3-T4)	316 L stainless steel
Sterile sampling (T4)	316 L stainless steel and silicone membrane
Dome clamp	304 stainless steel
Dome O'Ring	Silicone



Maximum working pressure : _____ 5 bar at 90°C.
Inlet/Outlet connection : _____ 1" 1/2" (38 mm)
Drain connections (T2-T4) : _____ 1" (25 mm)
Butt welded

	03ZWC1	03ZWC2	03ZWC3	03ZWC4
Filter cartridges	Zetapor, Polypro, Microfluor... 70002 serie			
Number of cartridges per housing	3	3	3	3
Cartridge height (cm)	25	50	75	100
Total internal volume (l)	8	14	19	24
Dome net weight (kg)	2.5	3.5	4.5	5.5
Total weight (T1), empty (kg)	13	15	17	19



DIMENSIONS

MODEL	DIMENSIONS (mm)				VERSION
	C	L	H	T (CB)	
03 ZWC 1	437	805	1140	206	T1
03 ZWC 2	687	1055	1640	358	T2
03 ZWC 3	937	1305	2145	498	T3
03 ZWC 4	1187	1555	2645	638	T4

NOTE

The 03ZWC housings have been designed to form part of a complete sanitary system together with the CUNO ZLC and ZPC housings.

PART ORDERING INSTRUCTIONS

When ordering spare parts, specify the filter housing model, its serial number marked on the housing name plate, item, designation and quantity.

SPARE PARTS LIST

ITEM	DESIGNATION	QTY	MATERIAL
31	Base	1	316 L SS
32	1 height dome	1	316 L SS
32	2 heights dome	1	316 L SS
32	3 heights dome	1	316 L SS
32	4 heights dome	1	316 L SS
33	1 height centre post	1	316 L SS
33	2 heights centre post	1	316 L SS
33	3 heights centre post	1	316 L SS
33	4 heights centre post	1	316 L SS
34	Centre post O' Ring	1	Silicone
35	Centre post nut	1	316 L SS
36	Cartridge maintaining plate	1	316 L SS
37	Dome O'Ring	1	Silicone
38	Dome clamp	1	304 SS
39	Vent assembly	1	
- a	Valve	1	316 L SS
- b	1/2 triclover clamp	1	304 SS
- c	1/2 clamp gasket	1	Silicone
40	Inlet/outlet butterfly valve seal (T2-T4)	2	Silicone
41	Drain butterfly valve seal (T2-T4)	2	Silicone

CARTRIDGES

CUNO 03ZWC housings are designed for the use of CUNO pleated membrane cartridges with 70002 connection (Microfluor, Polypro, Zetapor). These cartridges are available in several grades, types and lengths, satisfying the requirements of applications from poor in germ to final sterilising filtration. Complete cartridge reference numbers are marked on the packaging. To ensure receiving the right cartridges for your application, please use this reference number when ordering.

Your Local Distributor :

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APPLICATIONS SUPPORT - SASS

Cuno's Scientific Applications Support Services (SASS) is staffed by scientists and engineers, with state-of-the-art laboratory facilities.

The SASS staff, familiar with a wide range of filtration and separation applications, work closely with the customer to recommend the most effective and economical Cuno filtration systems.



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Service Worldwide