

ENG

Sectoral Filtration

*Pure filtration
for food & beverage
industry*

DORSAN[®]

LIVING FILTRATION



Filter Housings DPF Series

Sanitary Liquid Filtration



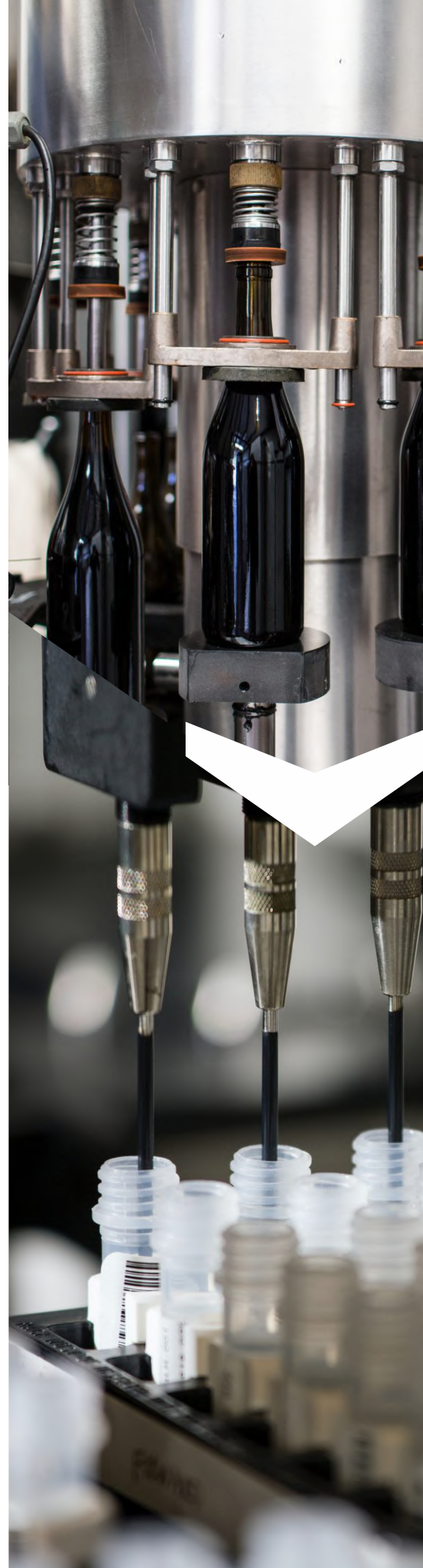
Applications

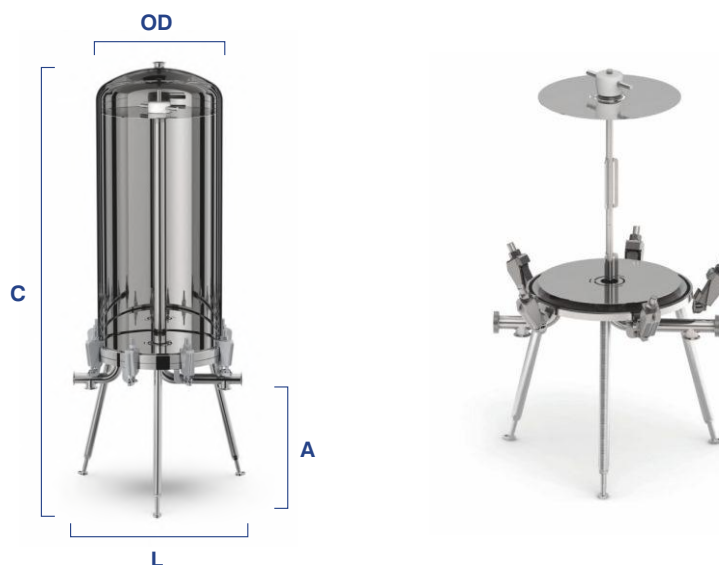
Food & Beverages
Pharma

Features & Benefits

T-Style lenticular filter housing, designed to enhance drainability for sanitary applications.

- Full range from 1 to 4 modules, 12" and 16" diameter, with different sockets and connections
- Materials full traceability
- 316L/1.4404 Stainless Steel and automatic welding ensure corrosion resistance and durability
- Automated Welding Processes to guarantee consistent quality and accuracy
- Suitable for SIP and CIP
- Split Bowl and Heating Jacket available
- High precision module tightening nut system
- Designed according to Pressure Equipment Directive (PED)
- ATEX Compliance
- Food Grade Compliance: CE 1935/2004
- Gasket Materials: FDA and USP Class VI
- Proprietary closure systems simplify operations
- Customizable with optional accessories
- Available on filtration skids
- User-manual and declaration of conformity included
- Certificates 3.1: Material, Roughness, Hydraulic test, Final inspection





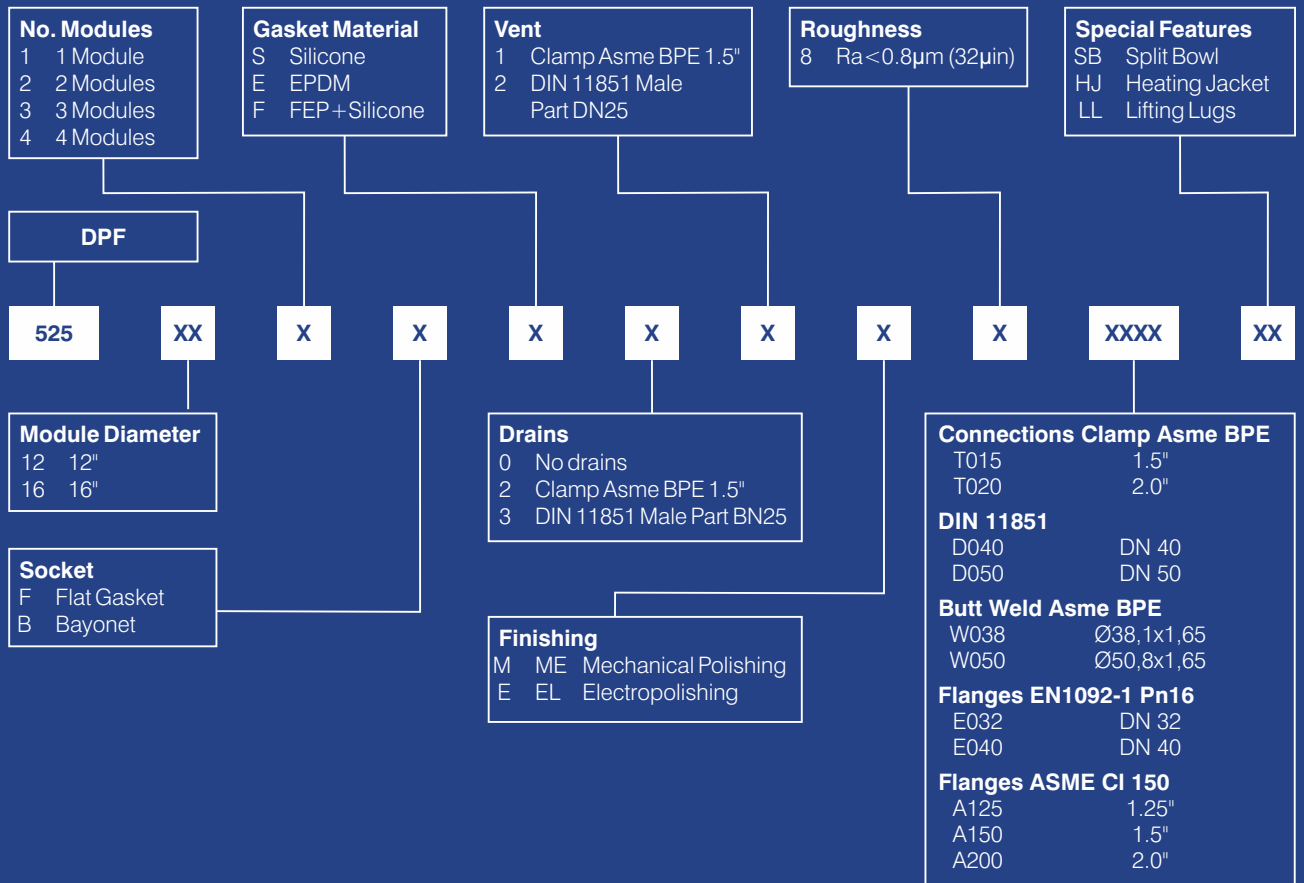
Specifications

Dimensions are for standard housings with TC 1.5" connections and drains.
More options available on request. All dimensions are in mm (inches).

Diameter	No. Modules	A	L	C	OD
12"	1	373 (14.69)	505 (19.88)	970 (38.19)	320 (12.6)
12"	2	373 (14.69)	505 (19.88)	1240 (48.82)	320 (12.6)
12"	3	373 (14.69)	505 (19.88)	1520 (59.84)	320 (12.6)
12"	4	373 (14.69)	505 (19.88)	1820 (71.65)	320 (12.6)
16"	1	373 (14.69)	611 (24.06)	970 (38.19)	450 (17.72)
16"	2	373 (14.69)	611 (24.06)	1240 (48.82)	450 (17.72)
16"	3	373 (14.69)	611 (24.06)	1520 (59.84)	450 (17.72)
16"	4	373 (14.69)	611 (24.06)	1820 (71.65)	450 (17.72)

Materials of Constructions (Wetted Parts)	316L / 1.4404
No. Of Modules	1, 2, 3, 4
Diameter	12", 16"
Socket	Flat Gasket, Bayonet
In/Out Connections	Clamp ASME BPE, DIN 11851, Butt Weld, ASME and EN Flanges
Drains and Vent	Clamp ASME BPE, DIN 11851
Pressure (PS) min-max	-1 ÷ 8 bar (-14 ÷ 116 psi)
Temperature (TS) min-max	-20° ÷ 150°C (-4° ÷ 302° F)
External Surface	Mirror Polished
Internal Surface	Mechanical Polished to Ra<0.8µm (Ra<32µin)
ATEX Regulation	Compliant with EU Directive
PED 2014/68/EU	Liquid and Gas, PED Fluid Group 2
Design Code	EN 13445
Housing and Gasket Materials	Food Contact Compliance EU1935/2004 - FDA - USP VI

Selection Criteria



More options available on request.

Accessories Filter Housing DPF Series

Full list of accessories and spare parts available on request.



Vent TC 1.5" Valve + Clamp



Vent TC 1.5" Sight Glass 2 Sanitary Valves + Clamp



Vent TC 1.5" Sight Glass 2 Ball Valves + Clamp



Butterfly Valve TC + Clamp



Ball Valve TC 1.5" + Clamp



Sampling Test TC 1.5" + Clamp



- **Small batch filtration**
- **Filtration area 0.5 m²**
- **Compatible with the entire range of KA sheets**
- **Very compact filter**
- **DOE or 226 / Flat connection modules**

Filter LAB Housing 8"

For applications in the laboratory or in facilities that need to filter small volumes (200-1.000 liters / hour) we have created this compact filter that uses an 8" module.

With a filtration surface of 0.5 m², we can adapt the filtration typology to the different grades of DORSAN[®] KA filter sheets. It is a highly recommended filter for the filtration of small batches in the cosmetic, perfume, food & beverage industries...

Made of stainless steel, all parts in contact with the liquid are in AISI 316-L, the rest of the external adapters in AISI 304

Available to use DOE or 226 / Flat connection modules.

Standard connections IN / OUT are DN40 and Electro-polished finish.



- **Closed system filtration that avoid leakages**
- **Multiple settings**
- **KA Range in 8", 12" and 16"**
- **Depth Filtration, Range of porosities to choice**

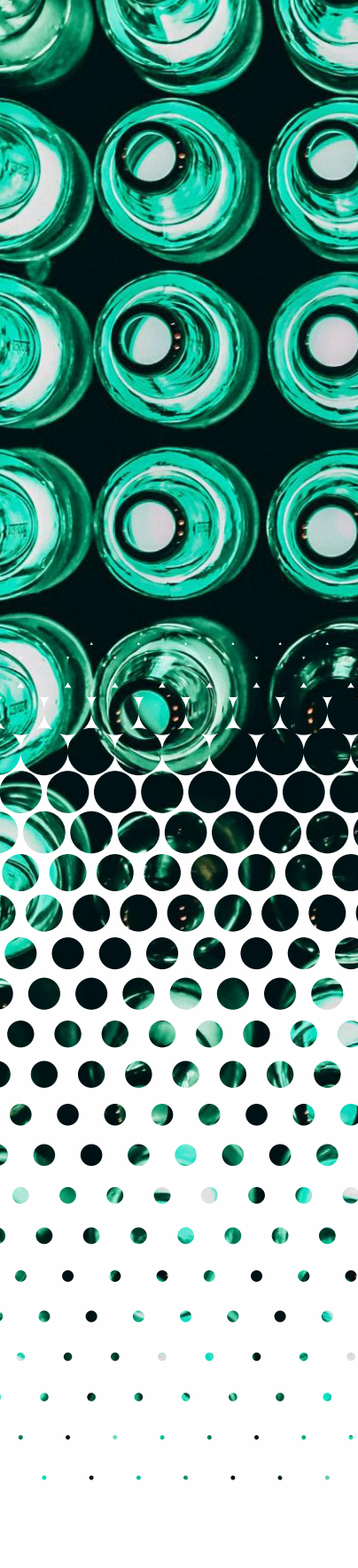
Filter Modules

Dorsan [®] has a wide range of filter media that will provide solution to your solid-liquid separation process. On a depth filter, the area available for solids retention is not just the outside of the filter element, but the entire surface area of the pores through which the liquid to be filtered flows.

The depth filter modules are used in various industries as Chemical-Pharmaceutical, Beverage, Food, Cosmetic ...

The main advantage of the Filter Modules is their high dirt-holding capacity, as opposed to the filtration surface, where they are retained by a simple mechanical action of surface screening. Available in formats of 8", 12" and 16".

Coarse Filtration	Polishing Filtration	Steril Filtration	Active Carbon
KA-035	KA-11	KA-25	KAC-1450
KA-295	KA-12	KA-30	KAC-1650
KA-3	KA-15	KA-40	
KA-10		KA-50	



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