

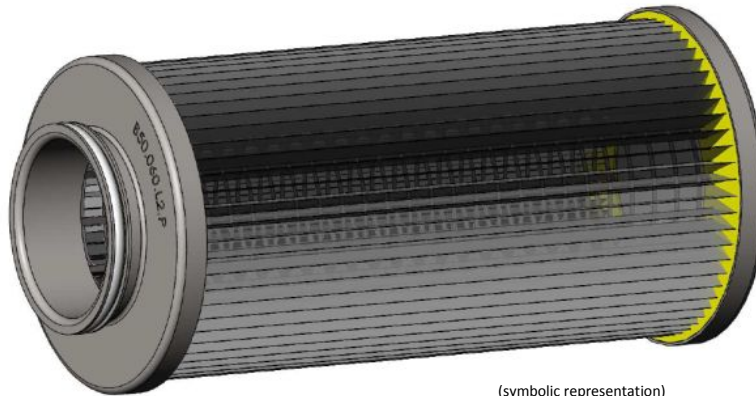
# Elements for Series 4.121/221/225

## Technical Data Sheet TYPE B



### Classification/application

- Single filter Series 4.121 (DN 20...80)
- Double filter Series 4.225 (DN 20)
- Double filter Series 4.221 (DN 32...80)



(symbolic representation)

### Areas of application

Filtration of hydraulic fluids, lubricants, industrial fluids, gases and water.

### Construction

Star-like folded special filter material, microplasma welded lengthwise, with inner support tube. End caps glued. An O-ring is used for sealing.

### Cleaning

#### Cleanable?

Whether a filter element can be cleaned depends on the filter material:

The standard version has wire mesh and may be cleaned repeatedly (see separate fact sheet)

Should other filter media have been used on customer request, then these generally cannot be cleaned (e.g. fibre mats and paper)

With proper cleaning (i.e. wire mesh and potting compounds remain intact), the number of cleaning cycles is limited only by accumulation of insoluble dirt in the mesh over time, blocking the pores. This results in increased pressure loss and shorter cleaning intervals.

The more fibrous, sticky and insoluble the dirt particles or the medium to be filtered, the faster the ageing effect.

#### Cleaning apparatus:

We shall upon request gladly provide you with information on suitable cleaning equipment.

#### ATTENTION:

The wire mesh consists of thin wires and therefore needs gentle cleaning!

To ensure proper filtration, the folds of the filter material must not be torn or damaged!

fluidtech® Filter elements

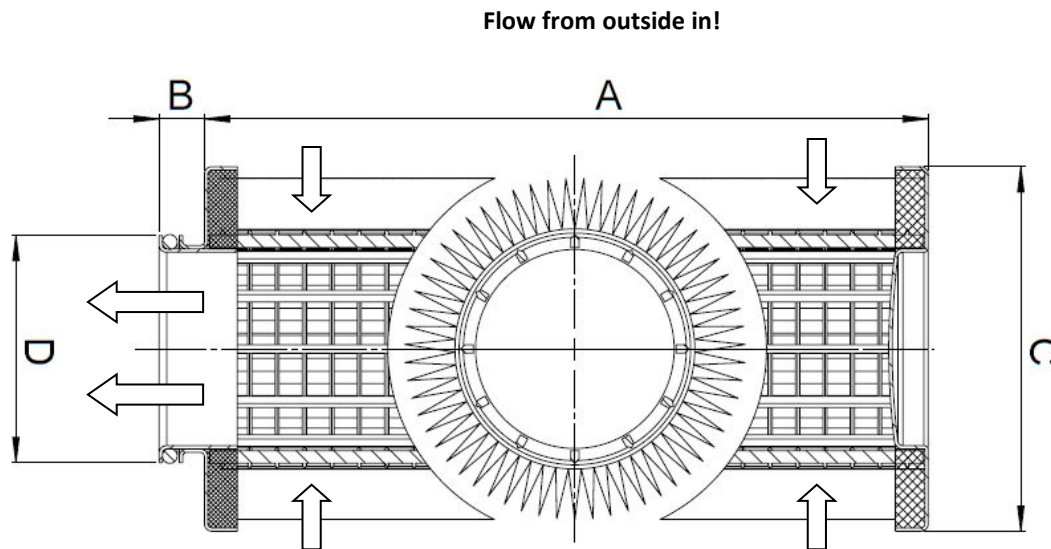
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### Dimensions



### Dimensions and technical data

Operating temperature: -10...120°C

DN	Key to length *Standard overall lengths	A [mm]	B [mm]	C [mm]	D [mm]	Filter area ca. [cm <sup>2</sup> ]	Collapsing pressure [bar]	Weight [kg]
20	L1*	71	4.5	55	28.3	418	14	0,14
	L2	106	4.5	55	28.3	684	14	0,19
32	L1	106	10.8	71	42	810	30	0,33
	L2*	171	10.8	71	42	1.395	30	0,49
50	L1	172	10.8	86.5	54	2.028	17	0,65
	L2*	252	10.8	86.5	54	3.068	17	0,88
80	L1	252	9.8	122.5	82	4.680	6.4	1,26
	L2*	336	9.8	122.5	82	6.360	6.4	1,84

### Materials

End caps: 1.4301

Filter material: optimesh® wire mesh (10 - 100 µm) made of 1.4401  
 precimesh® wire mesh (< 10 µm; > 100 µm) made of 1.4401  
 Optional: glass fibre paper; filter paper; metal fibre mat (1.4404)

Seals: NBR, (alternatively FPM, special materials)

Potting compound: 2-component epoxy resin; other on request

### Possible certifications

- DIN ISO 2941 Hydraulic fluid power filter elements, collapsing/burst resistance tests.
- DIN ISO 2942 Hydraulic fluid power filter elements, proof of manufacturing quality.
- DIN ISO 2943 Hydraulic fluid power filter elements, proof of material compatibility with hydraulic fluids.
- DIN ISO 3723 Hydraulic fluid power filter elements, method for end load test.
- ISO 3968 Hydraulic fluid power – filters - evaluation of pressure drop versus flow characteristics.

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## Technical Data Sheet TYPE B



Product type keys (order example)

The product type key is shown on the sieve ring.

<b>B32</b>	<b>·</b>	<b>060</b>	<b>·</b>	<b>L2</b>	<b>-</b>	<b>P</b>
<b>Sealing material</b>						
		P	NBR (Standard)			
		V	FPM			
		other materials on request				
<b>Overall length key</b>						
		L1	Overall length for DN 20			
		L2	Standard overall length for all sizes			
		other overall lengths on request (welded filter cover)				
<b>Filter fineness/medium</b>						
		005	optimesh® wire mesh 5 µm nominal, 10 µm absolute			
		010	optimesh® wire mesh 10 µm nominal, 25 µm absolute			
		015	optimesh® wire mesh 15 µm nominal, 34 µm absolute			
		020	optimesh® wire mesh 20 µm nominal, 40 µm absolute			
		025	optimesh® wire mesh 25 µm nominal, 60 µm absolute			
		040	optimesh® wire mesh 40 µm nominal, 80 µm absolute			
		060	optimesh® wire mesh 60 µm nominal, 100 µm absolute			
		080	precimesh® wire mesh 80 µm nominal, 150 µm absolute			
		100	precimesh® wire mesh 100 µm nominal, 200 µm absolute			
		120	precimesh® wire mesh 120 µm nominal, 250 µm absolute			
		150	precimesh® wire mesh 150 µm nominal, 300 µm absolute			
		xxx	Paper, glass fibre paper			
		other fineness on request				
<b>Nominal connection size/overall size DN for Type B</b>						
20 / 32 / 50 / 80						

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