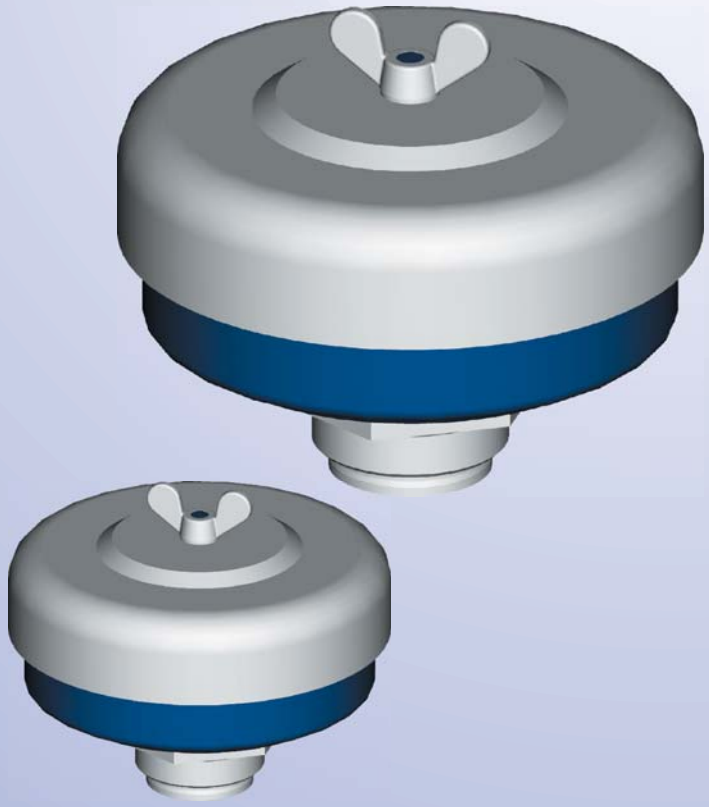
EPE

Filters . Accumulators

Filler Breathers

Type-TLF - I..., II..., III...



Filters for tank mounting

Efficient filtration of air

Combined air breather & filler

Flange mounted filters

Low pressure drop

Special high efficient Filter media

Air flow up to 5000 m3/hr
Connection up to G3 / DN125

Breather Filters

TLF I..., TLF II..., TLF III...

Operating temperature
-20°C to +100°C

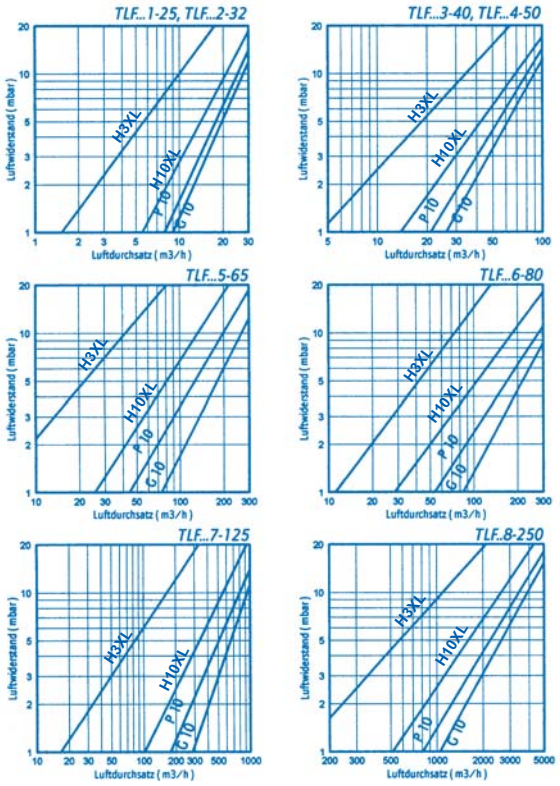
Application
Filtration and dehumidifying of intake air for industrial systems.

Design
TLF.... Filter housing for breathing and ventilation with changeable filter element inside. Filter elements H...XL up to 1mm filtration grade with glass-fibre filter media, water absorbing filter media AS optional. Types: I with female thread, II with male thread, III with male thread (with flange for size TLF III 7-125) and filler filter (130mm strainer).

Materials: as per spare parts list in this brochure.

Performance Characteristics

Air flow characteristics
Test temperature: 20°C



Ordering Information

Special designs available on request.

Filter type	Magnet	Maintenance Indicator	Connection	Material
Filter, flange mountable TLF I = reservoir breather filter with female thread, abbr DIN connection TLF II = reservoir breather filter with male thread connection TLF III = reservoir breather filter with male thread connection, abbr.DIN flange and filler strainer	**0** = without	**0** = without	**00** = standard	**0** = standard

Filter Assembly → **TLF III 7-125 P 10 – S OO - O O O – OO P O O**

*Seal Kit** → **D TLF III 7-125 – O – OO P O**

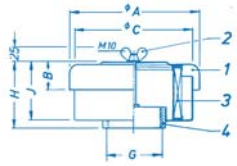
Nominal Size	Filtration Grade	Diff. Pressure	Filter Element Design	Bypass Valve	Seal	Addl. Info
TLF I,II,III 1-25, 2-32, 3-40, 4-50, 5-65, 6-80 TLF I,III 7-125	Nominal filtration grade in µm G= stainless steel wire mesh, cleanable G10 G25 G40 G60 G80 G100 VS=nonwoven media, not cleanable VS 25 VS 40 VS 60 P= paper, not cleanable P5 P10 P25 Absolute filter grade (ISO16889)in µm H..XL=micro glass-fibre, not cleanable H1XL H3XL H6XL H10XL H20XL AS= micro glass-fibre, water absorbing, not cleanable AS1 AS3 AS6 AS10 AS20	Maximum allowable pressure drop across the filter element S = standard	**0..** = Standard adhesive T=80°C **..0** = Standard material **..Z** = Zinc free	**0** = without	O= without **P** = Buna-N	**0** = without **5** = Silicon free **E** = Vent valve **Z** = Inspection certificate **5** = Silicon free C = Silicagel **Z** = Inspection certificate

Filter Element	Filter Element Size			
	Nominal Size	Element Size	Nominal Size	Element Size
Type 7	1-25, 2-32	002	6-80	006
	3-40, 4-50, 5-65	004	7-125	007

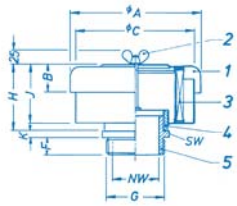
Filter Element → **7 007 P 10 – S OO – O – P –**

Dimensions

TLF I...

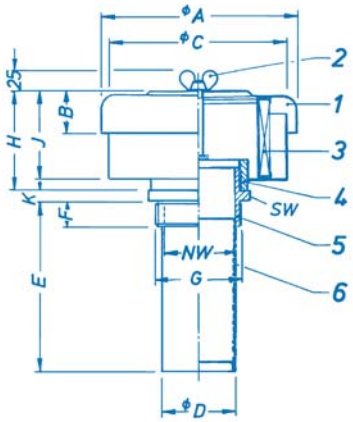


TLF II...



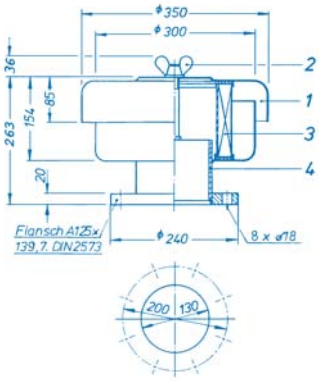
Design with filler nozzle

TLF III....

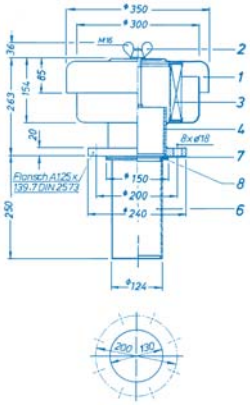


Design with filler nozzle and filler strainer

TLF I 7-125



TLF III 7-125



Size	Weight in kg	A	B	C	D	E	F	G	H	J	K	SW
TLF I 1-25	0,5	Ø 102	24	Ø 92	–	–	–	G 1	53	43	–	–
TLF I 2-32	0,6							G 1¼	63			
TLF I 3-40	2,1	Ø 177	46	Ø 162				G 1½	88	78		
TLF I 4-50	2,1							G 2				
TLF I 5-65	1,6							G 2½				
TLF I 6-80	1,9	Ø 210	45	Ø 190				G 3	88	78		
TLF II 1-25	0,6	Ø 102	24	Ø 92	–	–	17	G 1	53	43	6	46
TLF II 2-32	0,7							G 1¼	63			55
TLF II 3-40	2,3	Ø 177	46	Ø 162			18	G 1½	88	78	7	60
TLF II 4-50	2,3							G 2				75
TLF II 5-65	2,0						20	G 2½			8	90
TLF II 6-80	2,3	Ø 210	45	Ø 190			22	G 3	88	78	9	105
TLF III 1-25	0,7	Ø 102	24	Ø 92	Ø 27	101	17	G 1	53	43	6	46
TLF III 2-32	0,8				Ø 36	123		G 1¼	63			55
TLF III 3-40	2,5	Ø 177	46	Ø 162	Ø 42	147	18	G 1½	88	78	7	60
TLF III 4-50	2,5				Ø 52,5	177		G 2				75
TLF III 5-65	2,3				Ø 67	209	20	G 2½			8	90
TLF III 6-80	2,7	Ø 210	45	Ø 190	Ø 82	246	22	G 3	88	78	9	105

Spareparts

Size				TLF I, TLF II, TLF III						
Part	Qty	Designation	Material	1-25	2-32	3-40	4-50	5-65	6-80	7-125
1	1	Cover	Steel	Please indicate ordering information “Filter Assembly”						
2	1	Wing nut	Steel	Part No. 4349						
3	1	Filter element	Various	Please indicate ordering information “Filter Element”						
4	1	Filter housing	Various	Please indicate ordering information “Filter Assembly”						
5	1	Filler nozzle	Aluminium	Part No.3650	Part No.3658	Part No.3659	Part No.3660	Part No.3661	Part No.3662	On request
6	1	Filler strainer	Various	Part No.3651	Part No.3663	Part No.3664	Part No.3665	Part No.3666	Part No.3667	On request
7	1	Seal	Buna N	–						On request
8	1	Seal	Buna N	–						On request

Filler nozzle and filler strainer only available as unit
Seal kit is not possible

EPE
Filters . Accumulators

Installation, Starting and Maintenance

Filter Installation

Flange filter assembly at mounting device or in reservoir opening.

Starting

Switch on system pump and start system. Pay attention to flow noise at breather filter. If flow noise can be heard, check size selection in accordance to air flow rate
(Initial flow resistance<20 mbar)

Maintenance

All other breather filters do not have any maintenance indicators. We therefore recommend to check or to replace breather filters in regularly periods according to following table.

filter application	environmental Conditions - average dust concentration	service interval
general mechanical engineering	9.25 mg/m^3	4000 h
heavy industry	50-80 mg/m^3	3000 h
mobile hydraulics	30-100 mg/m^3	3000 h

Filter Element Service

Open cover (part 1) by unscrewing wing nut (part 2).
Replace (H..XL, P and VS....) Or clean (G...material) filter element in the case of visual contamination.
Insert filter element (part 4) in filter housing and refit cover while tighten wing nut hand screwed.

Check filler filters during maintenance for contamination and clean if necessary.

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Disposal Guidelines - Filters

Disposal

Before the filter is sent for disposal or recycling, it should always be de-pressurised completely. It is suggested that the filter is dismantled and the components disposed of as industrial waste.

Fluid residues are to be drained completely before disposal / recycle of the accumulator.

Filter Elements - Oil from the used filter elements is to be drained before the element is sent for disposal or recycling.

Decontaminate if needed and in accordance with local regulations.

Environmental Protection

Careless disposal of the product and/or residual fluid contained therein can cause environmental pollution.

Dispose the product in accordance with provisions applicable in the country of use.

Fluid residues are to be disposed according to the respective safety data sheets (MSDS) valid for the specific hydraulic fluids.

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