

Breather filter

RE 51415/02.09 1/10
Replaces: 08.08
RE 51416

Types TLF I...; TLF II...; TLF III...

Nominal size: TLF I; II; III 1 - 25 to 8 - 250
Connections up to DN 250
Operating temperature -20 °C to +100 °C



H7623

Table of contents

Content	Page
Application	1
Design, maintenance intervals, and spare parts	2
Ordering details	3, 4
Unit dimensions	5...7
Characteristic curves	8

Application

- Filtration and dehumidification of the intake air of industrial systems.
- Avoidance of initial damage in pumps and bearings and system components.

Design

Dismountable filter housing for ventilation with internal, exchangeable filter element. Filter elements H10XL up to a filtration rating of 10 µm with glass fiber mat and P... up to 25 µm with paper mat.

Materials as per spare parts list.

Designs:

TLF I...: with internal screw-in thread,

TLF II...: with external screw-in thread,

TLF III...: with external screw-in thread and filling filter (screen basket 130 µm).

TLF I 7-125: with DIN flange,

TLF I 8-250: with DIN flange,

TLF III 7-125: with DIN flange and filling filter (screen basket 130 µm).

Maintenance intervals

Fields of application of the filter	Environmental conditions average dust content	Maintenance interval
General mechanical engineering	9...25 mg/m ³	4,000 h
Heavy industry	50...80 mg/m ³	3,000 h
Mobile hydraulics	30...100 mg/m ³	3,000 h

Spare parts nominal sizes 1-25 to 6-80

Part	Piece	Size Description	Material	TLF I, TLF II, TLF III					
				1-25	2-32	3-40	4-50	5-65	6-80
1	1	Cover	Steel	Please indicate ordering information "Filter"					
2	1	Wing nut	Steel	Part No. 4349					
3	1	Filter element	various	Please indicate ordering information "Filter Element"					
4	1	Lower housing part	various	Please indicate ordering information "Filter"					
5	1	Filling piece	Al	Part No. 3650	Part No. 3658	Part No. 3659	Part No. 3660	Part No. 3661	Part No. 3662
6	1	Filling screen	Steel	Part No. 3651	Part No. 3663	Part No. 3664	Part No. 3665	Part No. 3666	Part No. 3667

All part nos. BRFS.specific.

Filling piece and filling screen only available as unit.

Spare parts nominal sizes 7-125, 8-250

Part	Piece	Size Description	Material	TLF I/TLF III 7-125	TLF I 8-250
1	1	Cover	Steel	Please indicate ordering information "Filter"	
2	1	Wing nut	Steel	Part No. 5233	
3	1	Filter element	various	Please indicate ordering information "Filter Element"	
4	1	Lower housing part	various	Please indicate ordering information "Filter"	
6	1	Filling screen	various	Part no. 5784	—
7	1	Seal	NBR	Please indicate ordering information "Filter"	
8	1	Seal	NBR	Please indicate ordering information "Filter"	
Weight (in kg)				8.0	33.0

All part numbers. BRFS specific.

Ordering details of the filter nominal sizes 1-25 to 6-80

		- S	- 0	0	0	00		0	0
Design Tank breather filter... with internal thread connection = TLF I... with external thread connection = TLF II... with external thread connection and filling screen = TLF III...						Complementary details 0 = without			
						Material 0 = Standard			
						Seal 0 = Polyurethane adhesive M = NBR seal			
Nom. size TLF I, II, III... = 1-25 2-32 3-40 4-50 5-65 6-80						Connection 00 = Standard			
Filtration rating in µm nominal Paper, non-cleanable = P... P10, P25 absolute (ISO 16889) Micro glass, non-cleanable = H10XL H10XL						Clogging indicator 0 = without			
Pressure differential Max. admissible pressure differential of the filter element Standard = S						Bypass valve 0 = without			
Element model Standard adhesive T = 80 °C = 0... Standard material = ...0									
Solenoid without = 0						Ordering example: TLF III 3 - 40 P10-S00-000-00M00			

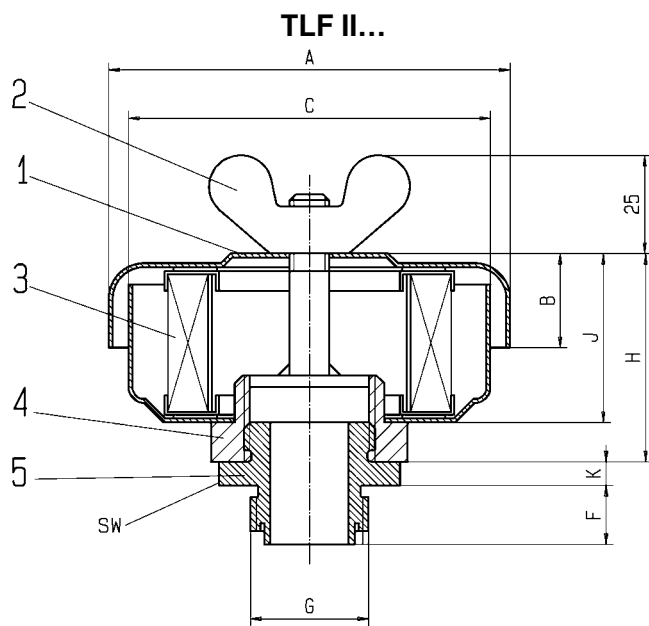
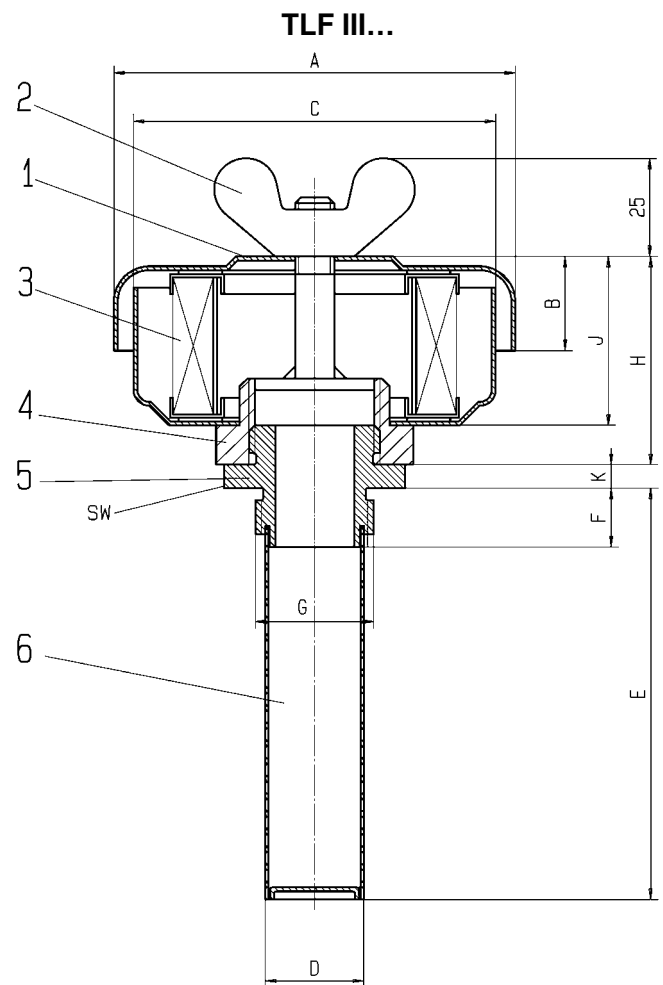
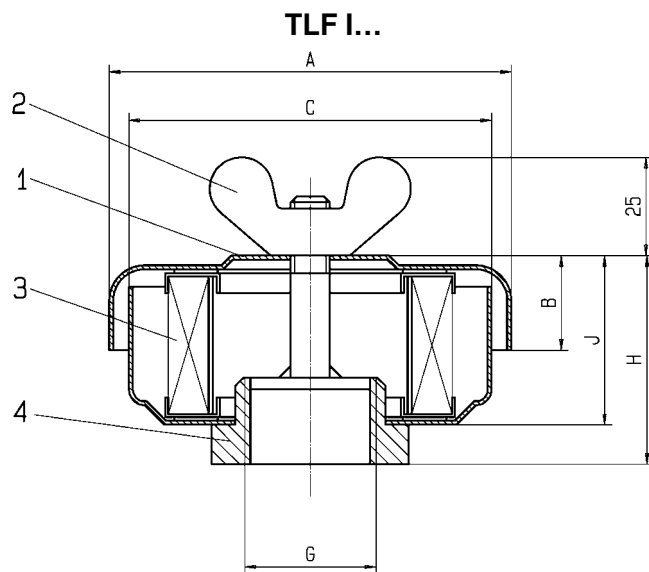
Ordering details of the filter element nominal size 1-25 to 6-80

[illegible]

Design Tank breather filter with DIN flange connection Tank breather filter with DIN flange connection and filling screen Nom. size TLF I, III TLF I Filtration rating in µm nominal Paper, non-cleanable P10, P25 absolute (ISO 16889) Micro glass, non-cleanable H10XL Pressure differential Max. admissible pressure differential of the filter element Standard Element model Standard adhesive T = 80 °C Standard material Solenoid without	= TLF I... = TLF III... = 7-125 = 8-250 = P... = H10XL = S = 0... = ...0	= 0	Complementary details without Material Standard Seal NBR seal Connection Standard Clogging indicator without Bypass valve without	Ordering example: TLF III 7 - 125 P10-S00-000-00M00
---	--	-----	--	---

[illegible]

Unit dimensions nominal sizes 1-25 to 6-80



Design with filling piece

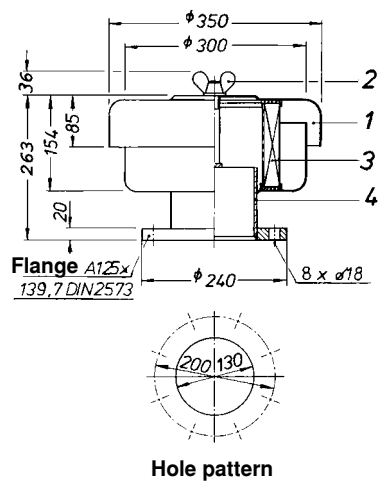
**Design with filling piece
and filling screen**

Unit dimensions nominal sizes 1-25 to 6-80 (dimensions in mm)

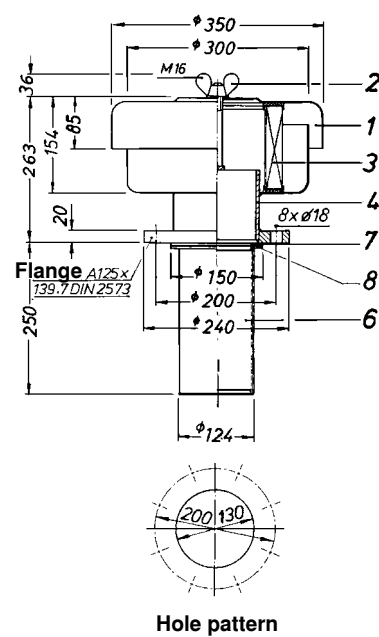
Size	Weight in kg	A	B	C	D	E	F	G	H	J	K	SW
TLF I 1-25	0.5	Ø 104	24	Ø 92	—	—	—	G 1	53	43	—	—
TLF I 2-32	0.6							G 1¼	63			
TLF I 3-40	2.1	Ø 177	46	Ø 162				G 1½	90	80		
TLF I 4-50	2.1							G 2				
TLF I 5-65	2.1							G 2½				
TLF I 6-80	2.4	Ø 210	45	Ø 190				G 3	88	78		
TLF II 1-25	0.6	Ø 104	24	Ø 92	—	—	25	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			26	G 1½	90	80	7	60
TLF II 4-50	2.3							G 2				75
TLF II 5-65	2.3						28	G 2½			8	90
TLF II 6-80	2.7	Ø 210	45	Ø 190			30	G 3	88	78	9	105
TLF III 1-25	0.7	Ø 104	24	Ø 92	Ø 28	107	25	G 1	53	43	6	46
TLF III 2-32	0.8				Ø 34	131		G 1¼	63			55
TLF III 3-40	2.5	Ø 177	46	Ø 162	Ø 42	155	26	G 1½	90	80	7	60
TLF III 4-50	2.5				Ø 53	185		G 2				75
TLF III 5-65	2.5				Ø 67	217	28	G 2½			8	90
TLF III 6-80	2.8	Ø 210	45	Ø 190	Ø 82	254	30	G 3	88	78	9	105

Unit dimensions nominal sizes 7-125, 8-250

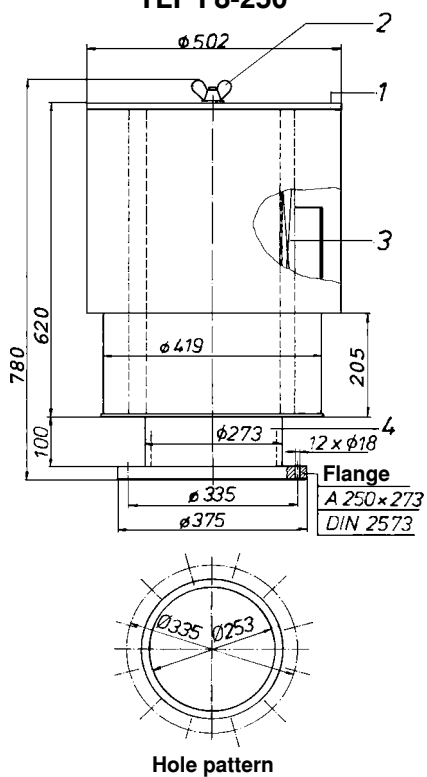
TLF I 7-125

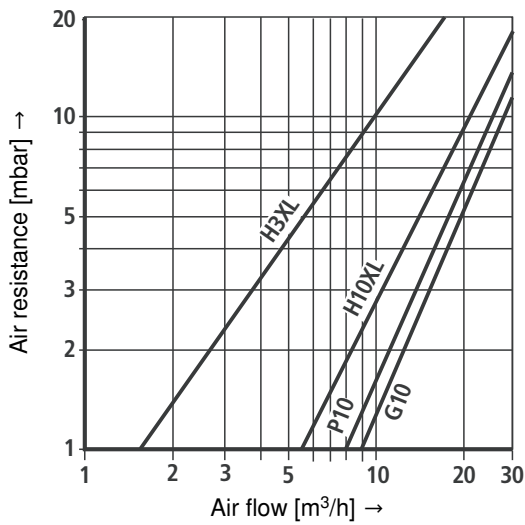
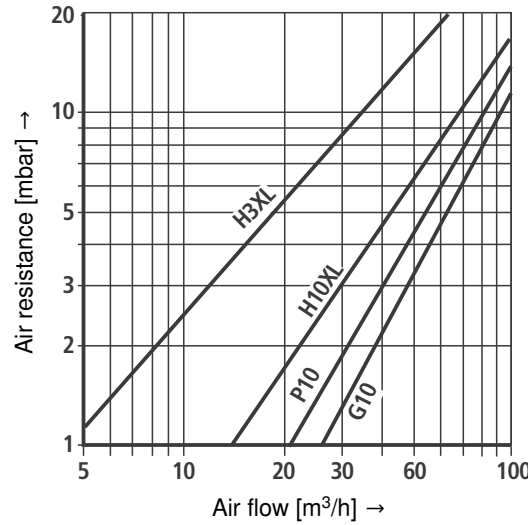
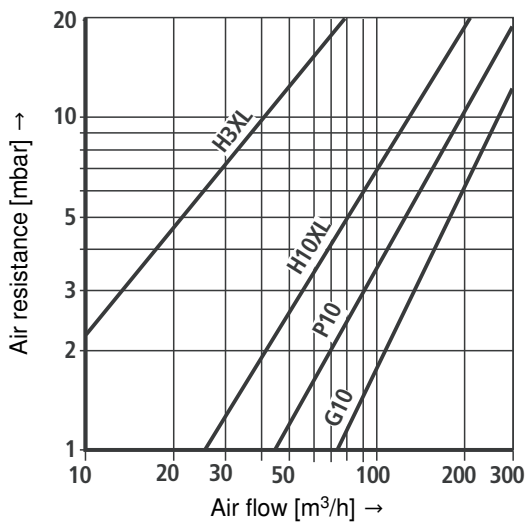
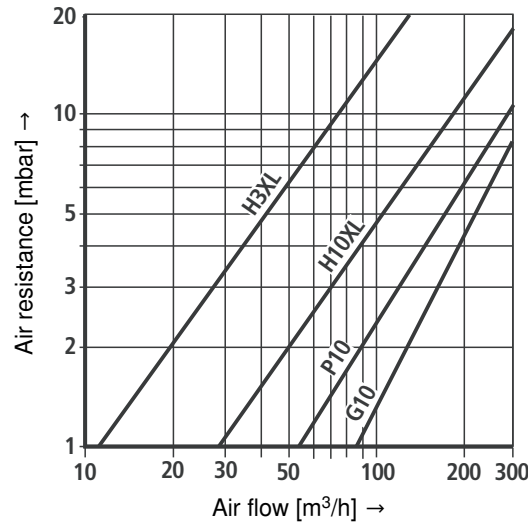
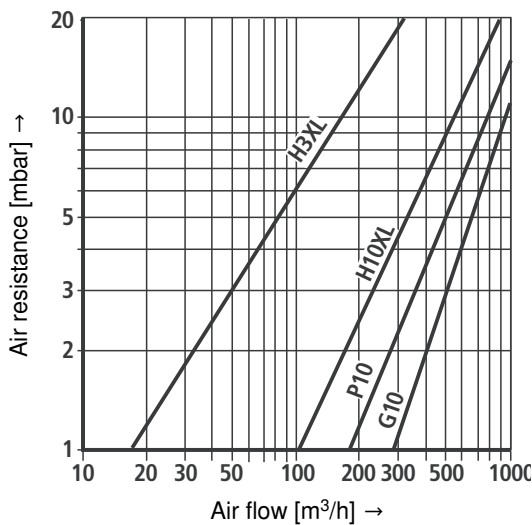
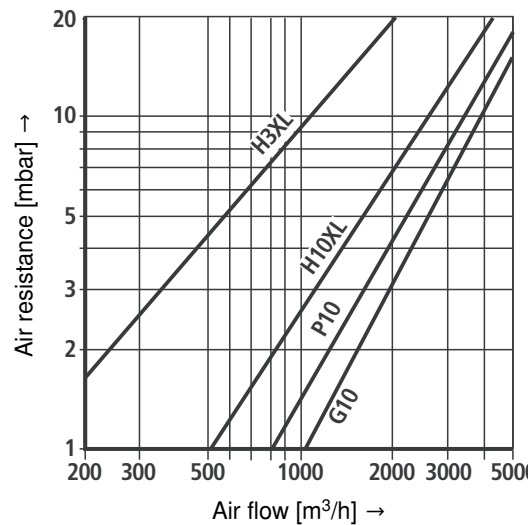


TLF III 7-125



TLF I 8-250



Characteristic curves (measured at test temperature = 20 °C)**TLF...1-25, TLF...2-32****TLF...3-40, TLF...4-50****TLF...5-65****TLF...6-80****TLF...7-125****TLF...8-250**

Notes

Notes

Bosch Rexroth Filtration Systems GmbH
Hardtwaldstraße 43, 68775 Ketsch, Germany
POB 1120, 68768 Ketsch, Germany
Phone +49 (0) 62 02 / 6 03-0
Fax +49 (0) 62 02 / 6 03-1 99
brfs-support@boschrexroth.de
www.eppensteiner.de

© This document, as well as the data, specifications and other information set forth in it, are the exclusive property of Bosch Rexroth AG. It may not be reproduced or given to third parties without its consent. The data specified above only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging.