



INSTRUCTIONS 1011-J00 e

Section	1011
Effective	March 2018
Replaces	February 2017

Translation of the original instructions

PF I filters (stainless steel)

INSTALLATION

MAINTENANCE

WARRANTY :

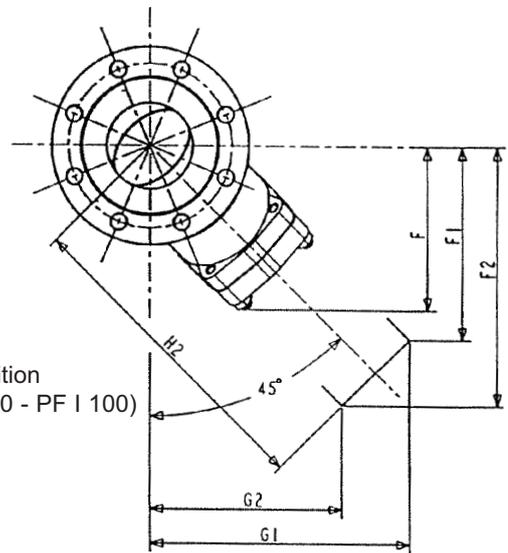
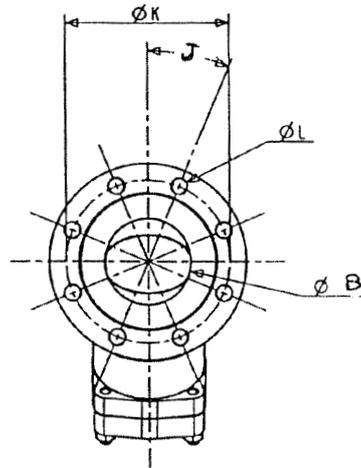
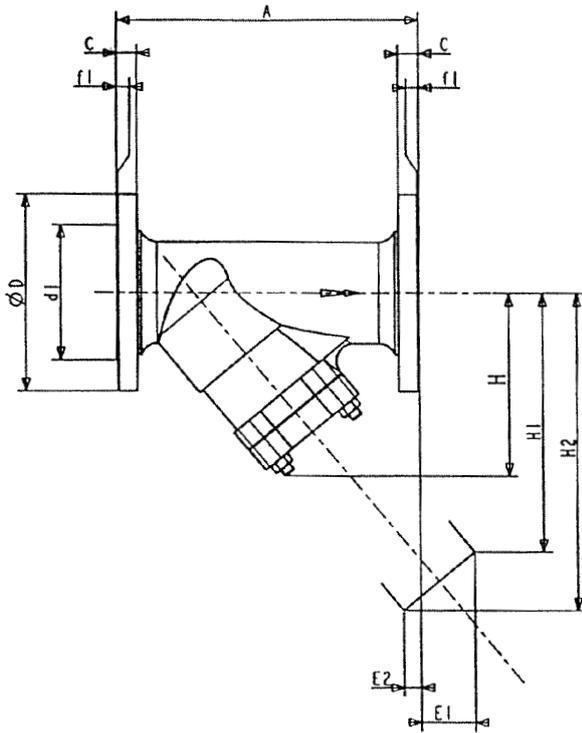
Filters PF I are covered 24 months by warranty within the limits mentioned in our General Sales Conditions. In case of a use other than that mentioned in the Instructions manual, and without preliminary agreement of MOUVEX, warranty will be canceled.



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OVERALL DIMENSIONS

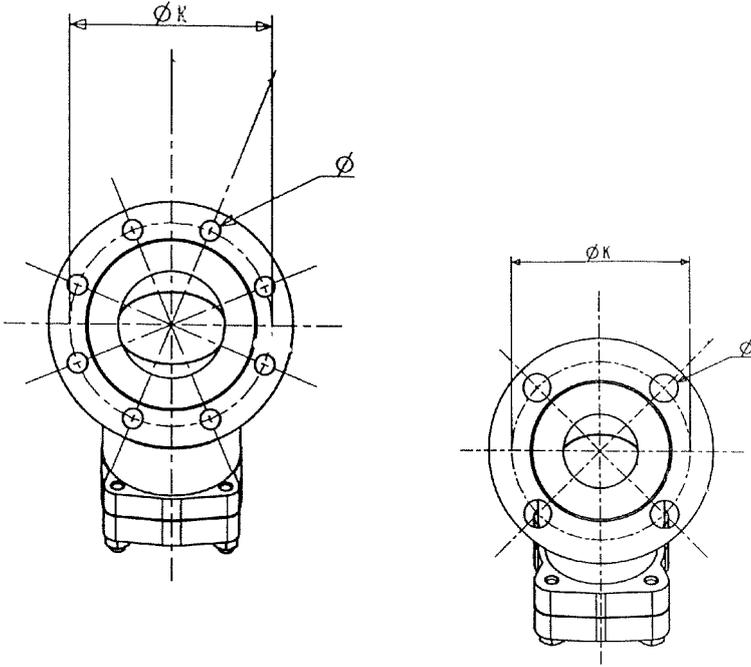


Filter	"J"
PF I - P25	45°
PF I - P40	22,5°
PF I - P60	22,5°
PF I - P100	22,5°

45° inclined position
(PF I 40 - PF I 60 - PF I 100)

Type	Flange dimensions								Dismantling dimensions										Weight (kg)
	A	B	D	K	L	C	d1	f1	H	H1	H2	E1	E2	F	F1	F2	G1	G2	
PF I - P25	290	65	185	145	4xØ18	18	122	3	180	205	250	5	50	-	-	-	-	-	18
PF I - P40	310	80	200	160	8xØ18	20	138	3	200	244	300	38	30	190	181	243	243	181	25
PF I - P60	350	100	220	180	8xØ18	20	158	3	250	302	370	64	20	210	223	300	300	223	36
PF I - P100	400	125	250	210	8xØ18	22	188	3	265	300	380	42	60	240	222	315	315	222	57

INSTALLATION



Ø bolt	Tightening torque Nm
M 10	35
M 12	60
M 14	96
M 16	146
M 18	200
M 20	290

Pressure (bar)	Maximum temperature
16	170°C
13	180°C
10	200°C

Designation	Type	Number of screws	Screw Ø	Ø (K)	PN	Flange mounted on pump
PF I - P25	DN 65	4	M 16	145	PN 16	P25
PF I - P40	DN 80	8	M 16	160	PN 16	P40
PF I - P60	DN 100	8	M 16	180	PN 16	P60
PF I - P100	DN 125	8	M 16	210	PN 16	P100

Before fitting the filter, check that the gauze is present and that the cover is correctly clamped to its seal.

Also make sure that the direction of the arrow on the body of the filter corresponds to the direction of flow of the fluid (non-reversible filters).

The filter must be fitted, with the cover to the bottom, in such a way that the filtered particles can be systematically removed during maintenance.

Certain types of filters (PF I 40, PF I 60, PF I 100) can be fitted at an angle of 45° to facilitate maintenance.

The filter must be fitted between two flanges identical to those of the filter, with two matched seals, and bolts of appropriate diameter and in sufficient numbers (in accordance with standard NF E 29-203).

The length of the screws must be such that, after tightening, all the threads of the nuts are engaged.

To obtain the correct tightness of seal, it is necessary to tighten all of the bolts proportionately and uniformly.

Moreover, in order to guarantee good alignment of the flanges, it is preferable to immobilise the second pipe adjacent to the filter, after completing its assembly, so as to avoid any stresses in the flanges which might create a leak.

During the installation it may be a good idea to provide pressure tapping points so that it is possible to monitor clogging of the filter.

Piping assembly

In order to achieve the best usage conditions, it is important to take the following recommendations into account when it comes to fitting pipes :

- The pipes are supported and aligned with the filter in such a way as to avoid putting stress on the filter flanges. Non-compliance with this instruction can lead to deformation of parts, even causing parts to break.
- The pipes should be designed to allow for thermal expansion/contraction (the use of flexible hoses or expansion loops is recommended).
- If the liquid may freeze or solidify, prepare for draining the piping by installing drain taps at the low points and air vents at the high points.

MAINTENANCE

The maintenance of the filter involves checking the condition of the gauze and, where necessary, cleaning it or replacing it.

Dismantling

Loosen the nuts **18**.

Remove the cover **5**, the gauze **6** and the seal **7**.

Then either clean the gauze or replace it. If the seal exhibits traces of wear and tear, replace it.

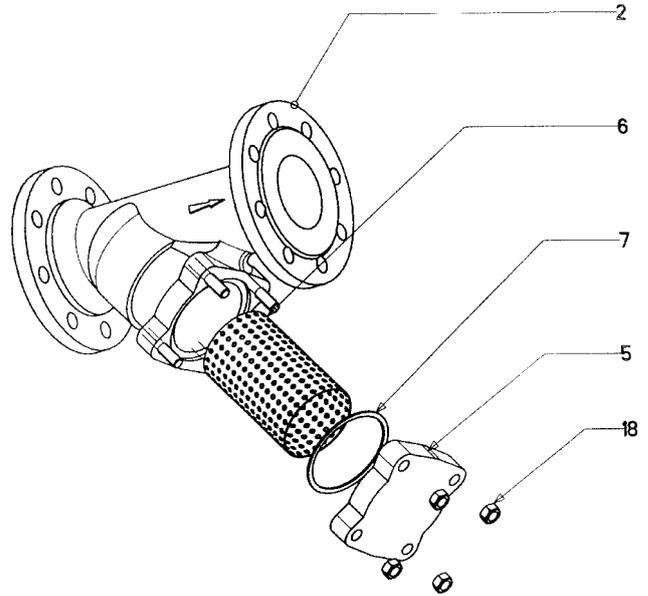
Re-assembly

Centre the gauze **6** at the back of the body **2**.

Place the cover seal **7** in its seating.

Position the cover **5** on to the pins of body **2**.

Screw on the nuts **18** by hand until contact is made, then progressively tighten them, sharing the tightening evenly between the 4 nuts.



SPARE PARTS

Repere	Qty	Designation
2	1	Filter body
• 6	1	Gauze
5	1	Cover
7	1	Cover seal
18	4	Nuts
• 998	1	Seal + nut set (7 + 18)

• Sets of parts or parts available to order.

When ordering spare parts, mention :

- the TYPE of filter (cf board § INSTALLATION)
- INSTRUCTIONS 1011-J00
- the REFERENCE and NAME of the parts required.