

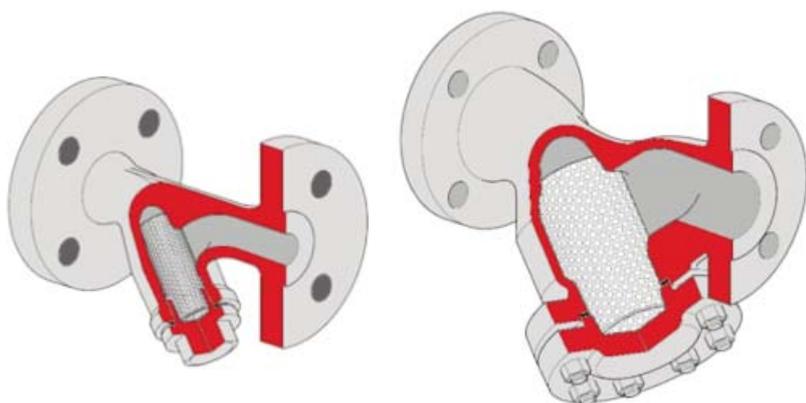


INSTRUCTIONS 1011-V00 e

Section	1011
Effective	April 2018
Replaces	April 2016

Translation of the original instructions

Prefilters PN16 / PN20 for All series pumps



INSTALLATION

UTILISATION

WARRANTY :

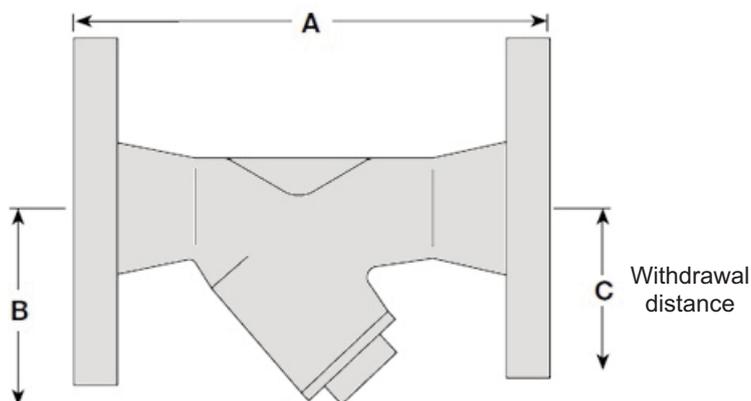
Prefilters PN16 / PN20 for All series pumps are covered 24 months by warranty within the limits mentioned in our General Sales Conditions. In case of a use other than that mentioned in the Instructions manual, and without preliminary agreement of MOUVEX, warranty will be canceled.



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Your distributor :

OVERALL DIMENSIONS



For pump	A		B	C
	PN16	PN20 ANSI150		
A6	200	200	145	240
A12	230	230	175	300
A18	290	291	200	335
A31	310	311	210	340
A55	350	350	255	415

OPERATING LIMITS

Minimum temperature-10°C (14°F)

Maximum temperature150°C (302°F)

Maximum working pressure8 bar (116 psi)
at 120°C (248°F)

Maximum vacuum-0,5 bar (-7,25 psi)

MATERIALS OF CONSTRUCTION

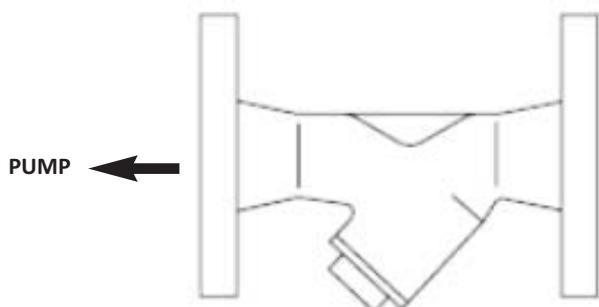
Item	Description	Standard materials
1	Body	GS Iron
2	Cap	Carbon steel
3	Cap gasket	Reinforced exfoliated graphite
4	Strainer screen	316L Stainless steel

INSTALLATION

Presentation

PF P filters are designed to protect against the accidental passage of foreign matters.

They must be fitted with the cover turned downwards.



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.

OPERATION

Prefilters are equipped with a 3 mm strainer screen. It must be cleaned as soon as an abnormal pressure drop is noted (see § DISMANTLING - ASSEMBLY).

Maximum vacuum-0.5 bar / -7,25 psi
 Maximum pressure8 bar / 116 psi
 Maximum temperature150°C / 302°F

DISMANTLING - ASSEMBLY

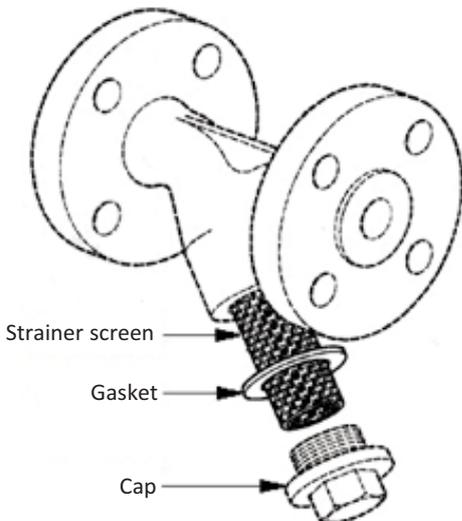
Prior any disassembly, check that :

- Pump is stopped,
- Prefilter is isolated upward especially in the case of a flooded pump suction,
- There is no residual pressure in the piping,
- In the event of a hot product pumping, that line has cooled down enough to allow safe dismantling.

Put a container under the prefilter. This container must show a sufficient volume to recover liquid from isolated piping section on which the prefilter is.

Prefilters for A6 - A12 pumps

Unscrew the cap, being careful to liquid flowing.
 Remove strainer screen and clean or replace it depending on its condition.
 Replace cap gasket by a new one.



Put gasket on the cap. Put strainer screen on the cap and place assembly in the body and screw.

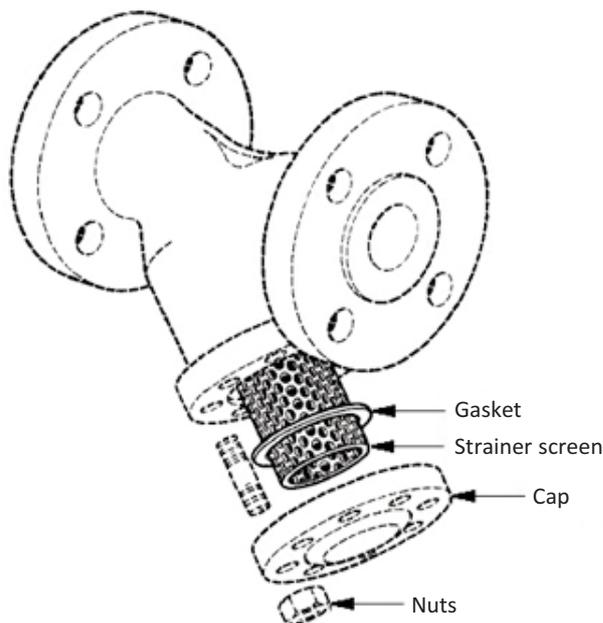
Recommended tightening torque :

- Prefilter for A6 pump250/275 Nm
- Prefilter for A12 pump310/340 Nm

Prefilters for A18 - A31 - A55 pumps

Unscrew nuts and remove cap, being careful to liquid flowing.
 Remove strainer screen and clean or replace it depending on its condition.

Replace cap gasket by a new one.



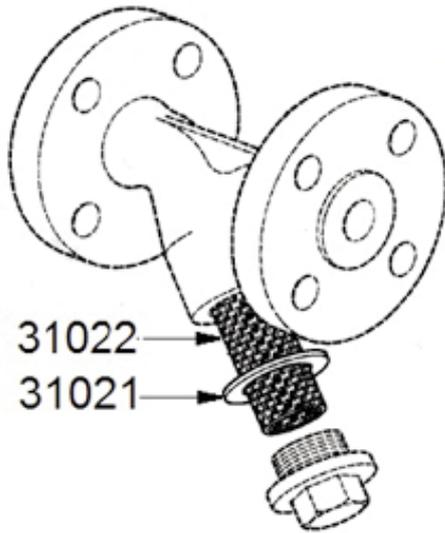
Put gasket on the cap. Put strainer screen on the cap and place assembly in the body and screw the nuts.

Recommended tightening torque :

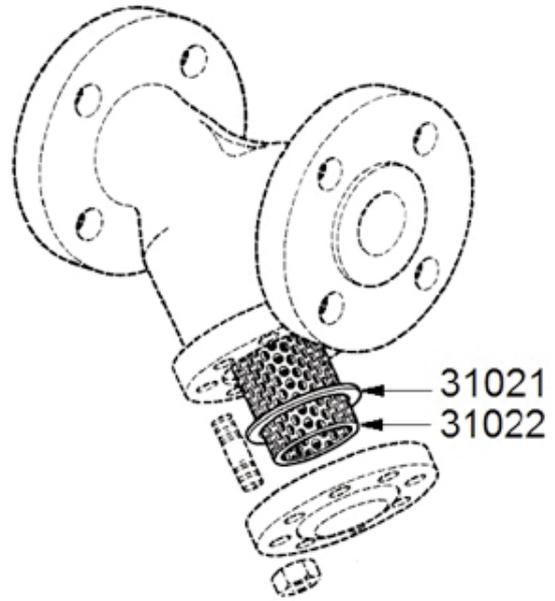
- Prefilter for A18 pump20/24 Nm
- Prefilter for A31 pump30/35 Nm
- Prefilter for A55 pump50/55 Nm

SPARE PARTS

A6 - A12



A18 - A31 - A55



Pump	Flanges	Item	Ref.	Description	Quantity per prefilterer
A6	PN16 / PN20 (ANSI150)	31021	316861.00	Set of 3 cap gaskets	1
		31022	230440	Strainer screen	1
A12	PN16 / PN20 (ANSI150)	31021	316862.00	Set of 3 cap gaskets	1
		31022	230441	Strainer screen	1
A18	PN16	31021	316863.00	Set of 3 cap gaskets	1
		31022	230442	Strainer screen	1
	PN20 (ANSI150)	31021	316866.00	Set of 3 cap gaskets	1
		31022	230445	Strainer screen	1
A31	PN16	31021	316864.00	Set of 3 cap gaskets	1
		31022	230443	Strainer screen	1
	PN20 (ANSI150)	31021	316867.00	Set of 3 cap gaskets	1
		31022	230446	Strainer screen	1
A55	PN16	31021	316865.00	Set of 3 cap gaskets	1
		31022	230444	Strainer screen	1
	PN20 (ANSI150)	31021	316868.00	Set of 3 cap gaskets	1
		31022	230447	Strainer screen	1