DATA SHEET
MICRO INLINE FILTERS

The Pumps with Nine Lives

Nylon Models: 7203, 7203.3
7204, 7204.4

7203 White Bowl

7203.3 Clear Bowl

7204 White Bowl

7204.4 Clear Bowl

SPECIFICATIONS	U.S. Measure	Metric Measure
Maximum Flow	10 gpm	37.85 lpm
Inlet Pressure (7203)	70°F 10 – 150 psi	0.69 – 10.3 bar
	125°F 10 – 100 psi	0.69 – 6.9 bar
Maximum Temperature	125°F	52°C
Inlet/Discharge Port	7203 ½" NPT(M)	½" NPT(M)
	7204 ½" NPT(F)	½" NPT(F)
Mesh	80	80
Micron Equivalent	178	178
Weight	3 oz.	0.08 kg
Dimensions	3.0 x 1.75 x 2.67"	76 x 44 x 68 mm

FEATURES

- Durable nylon body for corrosion resistance.
- Easily cleaned without removing filter or inlet plumbing.
- Flow from inside out so sediment collects inside filter.

SELECTION

Select a filter appropriate for the flow and pumped liquid in your system. Typically the filter capacity should be two times the pump flow rate. Both white and clear bowls are availible.

INSTALLATION

An inline filter is normally installed on the inlet side of the pump. The arrow molded in the filter cap indicates the direction of the flow through the filter. A shut-off valve is recommended between the filter and the source for convenience when cleaning the screen.

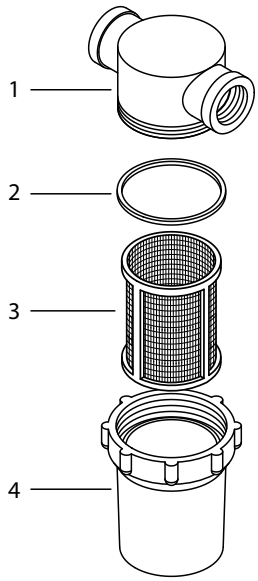
OPERATION

This filter must be used with a pressurized flow at maximum gpm. Flow through the filter is from the inside out, collecting the sediment inside the filter. Regular checking and cleaning of the screen is suggested to avoid restricting the inlet flow to the pump.

MAINTENANCE

Flush screen regularly and reinstall into body. Check gasket for cuts or wear and replace if necessary to assure proper seal. Thread body and cap hand tight for proper seal.

EXPLODED VIEW



PARTS LIST

ITEM	P/N	MATL	DESCRIPTION	QTY
1	—	—	Body	1
2	31171	NBR	Gasket, ½"	1
3	31172*	S	Screen, ½", 80 Mesh	1
4	31177	NY	Bowl, White, ½"	1
4	31178	NY	Bowl, Clear, ½"	1

MATERIAL CODES (Not Part of Part Number):
NBR=Medium Nitrile (Buna-N) NY=Nylon S=304SS

*Complete assemblies and replacement screens will be supplied with a white plastic support cage.

INLET FILTER WORKSHEET

For proper selection of your inlet filter, the following criteria should be considered:

Maximum System Flow _____GPM (L/M)

Maximum Inlet Pressure _____ PSI (BAR)

Liquid being pumped/Concentration _____ / _____%

_____ / _____%

Maximum temperature of liquid pumped _____°F (°C)

Density of liquid pumped _____ Spec. Gravity

Nature of Solids _____

Size of Solids _____ microns Volume of Solids _____ ppm

Viscosity of liquid pumped _____ CPS _____ SSU

Maximum pressure drop when clean _____ PSI (BAR)

Mesh size _____ (80 standard)

Frequency of cleaning (per) ____ Day ____ Week ____ Month

Material of body _____ Strainer _____

Clearance limitations beyond pump _____ inches (mm)

⚠ CAUTIONS AND WARNINGS

All High Pressure Systems require a primary pressure regulating device (i.e. regulator, unloader) and a secondary pressure relief device (i.e. pop-off valve, relief valve). Failure to install such relief devices could result in personal injury or damage to pump or property. Cat Pumps does not assume any liability or responsibility for the operation of a customer's high pressure system.

Read all CAUTIONS and WARNINGS before commencing service or operation of any high pressure system. The CAUTIONS and WARNINGS are included in each service manual and with each Accessory Data sheet. CAUTIONS and WARNINGS can also be viewed online at www.catpumps.com/cautions-warnings or can be requested directly from Cat Pumps.

WARRANTY

View the Limited Warranty on-line at www.catpumps.com/warranty.

CAT PUMPS 1681 94th Lane N.E., Mpls, MN 55449-4324 P: 763.780.5440 F: 763.780.2958 E: techsupport@catpumps.com www.catpumps.com

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