

NP Series Trapper Performance

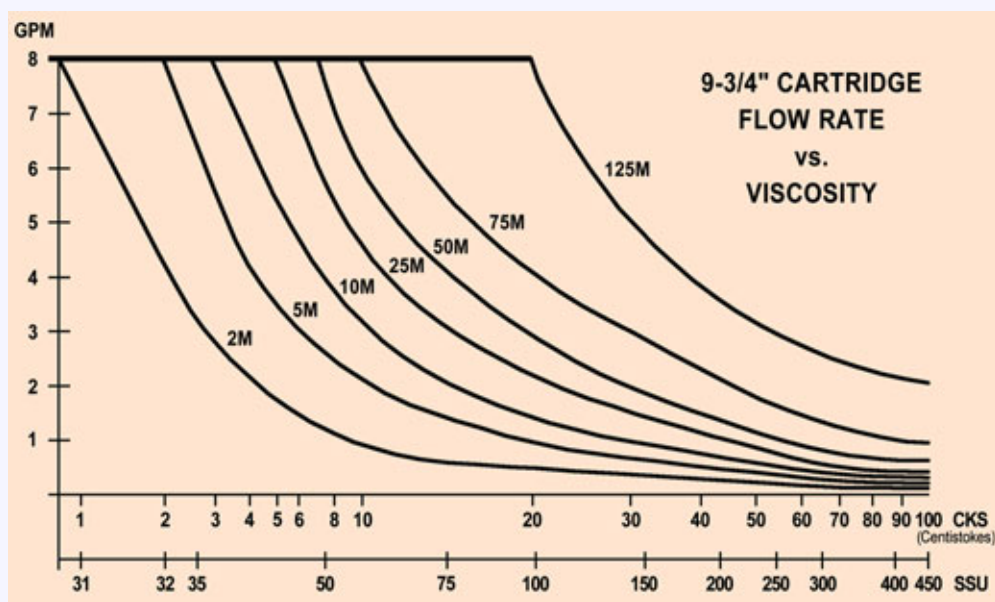
Flow Rating

This graph represents the typical flow rate per 9-3/4" length cartridge, at various fluid viscosities and micron ratings. These values are based on an initial clean pressure drop of 2 psi. A "3NP" triple length cartridge has 3 times the flow rate per cartridge as shown by the graph. The "4NP" quadruple length cartridge has 4 times the flow rate per cartridge with a maximum flow of 24 GPM which is limited by the 1" ID restriction. These flow rates should give acceptable cartridge life when the turbidity is below 15 parts per million. If high dirt loads are expected, lower cartridge flow rates should be used for sizing purposes.

Multiply the number of cartridges in a housing times the flow rate from the graph, for the particular fluid, to determine the housing capacity.

Trapper cartridges are ideally suited for use in Nowata filter housings. Our engineering and production capabilities work together to provide filters for virtually every filtration requirement.

For specific information about Nowata housings or cartridges for your application, contact your local representative or our technical sales staff.



Centistoke = Centipoise / Specific Gravity

Cartridge Data

Micron Rating	9-3/4 inches	Model 29-1/4 inches	40 inches	Actual Opening in inches	Water* GPM Cartridge		
					9-3/4 inches	29-1/4 inches	40 inches
2	1NP2	3NP2	4NP	.000079	4	12	16
5	1NP5	3NP5	4NP5	.000197	5	15	20
10	1NP10	3NP10	4NP10	.000394	6	18	24
25	1NP25	3NP25	4NP25	.00099	7	21	24
50	1NP50	3NP50	4NP50	.0020	8	24	24
75	1NP75	3NP75	4NP75	.0029	8	24	24
125	1NP125	3NP125	4NP125	.0049	8	24	24

*Water at 2 psi clean pressure drop

All cartridges are 2-1/2" OD x 1" ID. Single length (1NP) cartridges are 9-3/4" long. Triple length (3NP) cartridges are 29-1/4" long. Quadruple length (4NP) cartridges are 40" long. Add-OP to the model to indicate (1.75" diameter) 222 o-ring style end seal with the other end flat closed.

Trapper Nomenclature

To identify or specify a certain micron size for a particular cartridge, note the numbers that follow the "1NP" or "3NP". That number (or numbers) denotes the micron rating. Adding "-OP" to the model number indicates a 222 end adapter. Blank indicates double open end (DOE) configuration.

Example: 1NP75 Trapper cartridge identifies it as a 9-3/4 inch long, double open end, polyester cartridge, with a micron rating of 75.

Example: 3NP10 Trapper cartridge is a 29-1/4 inch long, DOE, polyester cartridge with a 10 micron rating.

Example: 4NP125 Trapper cartridge is a 40 inch long, DOE cartridge with a 125 micron rating.

Example: 4NP125-OP is a 40 inch long, 125 micron cartridge with one end closed and the other has a 222 o-ring adapter.



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