

## Cartridge Housing with V-Clamp Band Closure

### 1NB Series Key Features

- Standard V-Clamp Band style closure eliminates the need for wrenches or tools.
- Working Pressure to 750 PSI.
- 1" FNPT in-line style, Inlet and Outlet connections allow maximum flow ratings at a low pressure drop.
- Standard 1/4" FNPT body drain fitting allows draining or pressure relief.
- This housing comes with one, 25 micron, Nowata NP Series Cartridge installed.
- Designed for Double Open-End Style Cartridges (222 Style Cartridge also Available)
- Pressure Release Safety Feature
- Buna O-Ring Seals are Standard (other materials are available)
- Stainless Steel Construction Standard
- Knife Edge Seal Top and Bottom
- Spring Loaded Bottom Seal
- In-Line Style Inlet and Outlet
- In Stock and Ready for Immediate Shipment



V-Clamp Band Style Closure  
Working Pressure to 750 PSI

### 1NB Series Construction Features

The 1NB Series, *Quick Change*, filter housings are available in 1, 2 or 3 size cartridge models. These low cost, high quality filters are designed for industrial and commercial service and are ideal for many high pressure applications. The head mounts directly in the flow line, while the filter body may be mounted in any position. Fluid enters one side of the head and is channeled to the area around the cartridges. The fluid or gas passes

through the cartridge into the center and out the other side of the head. The body is sealed to the head by a V-clamp. As the V-clamp is tightened, the body and cartridge are firmly sealed against the head and o-ring. When changing the cartridge, the pressure is released before the housing body is removed, by loosening the V-clamp closure. Each model has a 1/4 inch internal pipe thread drain in the bottom of the body.

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## Cartridge Housing with V-Clamp Band Closure

### Standard Construction for the 1NB Series Housing

The cast head has in-line 1 inch internal pipe thread inlet and outlet connections. The tubular body is made of stainless steel. The head and body are held together by a V-clamp style closure. As the V-clamp is tightened, the body is sealed firmly to the head. The V-clamp eliminates the need for wrenches or tools. The cartridge is sealed in place as the

V-clamp handle is tightened. A Buna O-Ring seals the body and head. All wetted parts of the 1NB Series are stainless steel. A knife edged seal on the center rod creates both a positive cartridge seal and a contaminant sump area. All models include one installed cartridge.

### Typical 1NB Housing Model Number

1N	B	1	S	U	N	75	N	1	N	T	
1N Series	Closure Type	Cartridge Size	Internal Style	Vessel Material	Code	Pressure Rating	Inlet/Outlet Style	Inlet/Outlet Size	Seal Material	Bottom Drain Tap Size	Special Options

### Dimensional Information

1NB SERIES	A	B (1)	Cartridge Size	Inlet / Outlet (2)
1 Cartridge Size Model	15	13-15/16	9-3/4 or 10	1 inch
2 Cartridge Size Model	25	23-15/16	19-1/2 or 20	1 inch
3 Cartridge Size Model	35	33-15/16	29-1/4 or 30	1 inch

#### NOTES:

##### Dimensions Shown in Inches

- (1) Additional clearance required to remove housing body.
- (2) FNPT internal pipe thread Inlet and Outlet connection size.

Due to our continuing program of product improvement, specifications are for reference only and subject to change without notice.

