

MAHLE

Industrial Filtration

Bag Filter Housing for Liquids Nowata W4 Model

Available in Carbon or Stainless Steel for 12 Inch Deep Bags

1. Features

The Nowata W4 Model Liquid Bag Vessel effectively removes dirt, pipe scale, and other contaminants from process liquids such as water, chemical and petroleum products. Designed for pressure ratings from 300 to 500 psi and flow rates to 50 gpm, this filter housing can be used with a standard #4 size bag or with the included perforated basket as a strainer. Standard options of Carbon Steel or 316 Stainless Steel, and FNPT or Flanged Inlet and Outlet, are stocked at the factory and ready for immediate shipment.

Standard Design

- Housings in Carbon Steel or 316 Stainless Steel
- 300 PSI Working Pressure Rating
- Low Pressure Drop
- Hinged Quick-Opening Closure with Eye Nuts
- Differential, Drain and Vent Ports
- 316 Stainless Steel Strainer Basket
- Viton Lid Seal

Optional Features

- ASME Code Stamp
- 500 PSI Working Pressure Rating
- Adjustable Tripod Support Legs
- Other Materials of Construction Available
- Mesh Lined Strainer Baskets



2. Standard Construction

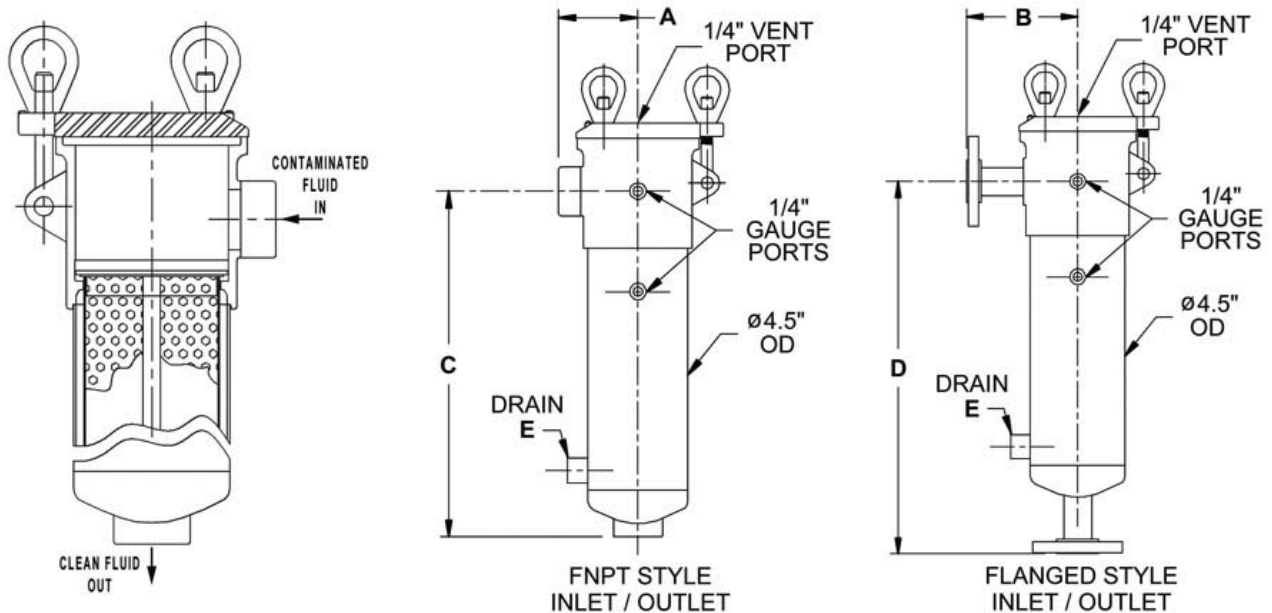
The Nowata W4 Model Bag Filter Housing is designed for operating up to 300 psi or as an option, design pressures to 500 psi. The housing design provides a large sump area at the bottom of the basket for particulate accumulation. This design utilizes the filter more efficiently and prolongs the life of the bag filter. The 316 Stainless Steel basket rests on a steel support ring allowing the bag ring to seal to the side of the housing, eliminating particulate bypass between the filter basket and seat. Optional mesh-lined strainer baskets and various materials for o-rings are also

available. A vent located in the housing lid and a drain port allow fast evacuation and rapid filling. Gauge ports are located on the body of the housing to install gauges for monitoring of differential pressure across the bag or strainer basket. Permanently piped housings are opened with simple tools without disturbing the piping. Swing bolts with eye-nuts allow easy opening and closing of the swing-lid. There is no need to remove any hardware. As a standard finish, all vessels are blast cleaned and the outside painted with a coat of machinery enamel.

3. Dimensional Information

Pipe Size	A	B	C	D	E	Basket Data for Nowata W4 Model Liquid Bag Vessel with Flow Rates to 50 gpm				
						Depth Nominal	Basket Diameter	Surface Area (sq. ft.)	Volume (cu. in.)	Standard Bag Size
1	3	4.3	17.5	18.9	0.5	12	3.9	1.0	130	#4
1.5	3.2	4.3	17.5	18.9	0.5					
2	3.5	4.5	17.5	18.9	0.5					

Dimensions shown in inches unless otherwise noted. Due to our continuing program of product improvement, specifications are for reference only and subject to change without notice. Dimensions are approximate values and not intended for piping specifications.



4. Typical Part Number

W	4	N	U	12	U	30	N	1
Bag Series	Vessel OD Inches	Inlet Location	Material	Basket Depth	ASME Code	Maximum Pressure	Inlet and Outlet Style	Inlet and Outlet Size

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