

W4 Series

BAG FILTER HOUSINGS

Housings Accommodate 12 inch Deep #4 Size Bags

INTRODUCTION

The W4 series (formerly Nowata) liquid bag filter housings effectively remove 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, with FNPT or flanged inlet and outlet, are stocked at the factory and ready for immediate shipment.

FEATURES

- 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



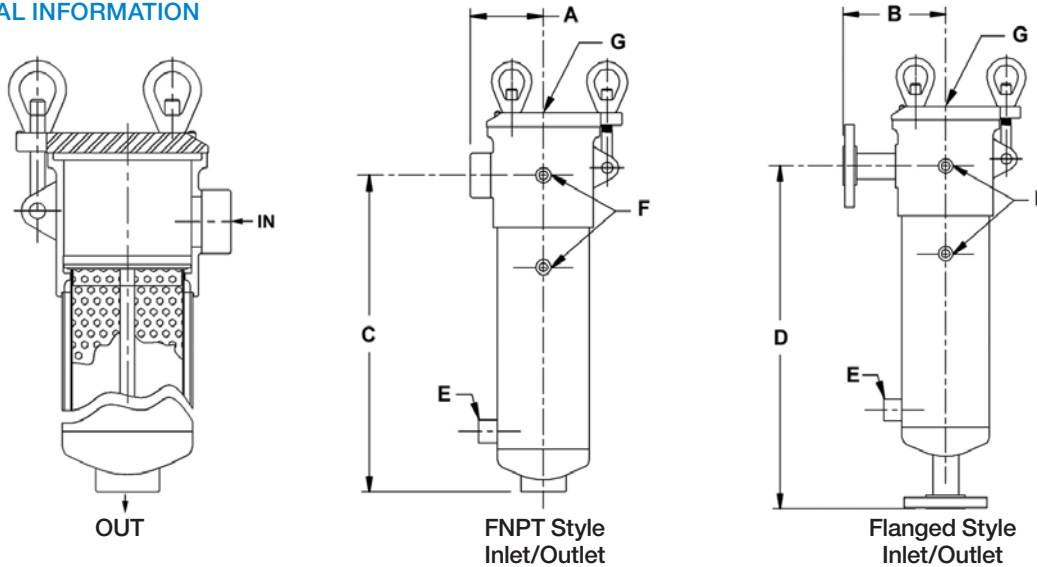
STANDARD CONSTRUCTION

W4 series bag filter housings are designed for operation to 300 psi or optional design pressures to 500 psi. These housings have 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 baskets and various materials for o-rings are 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. Vessels are blast cleaned and painted as a standard finish.

DIMENSIONAL INFORMATION



W4 Model Bag Filter Housing Data							
Pipe Size	A	B	C	D	E Drain	F Gauge Port	G Vent Port
1	3	4.3	17.5	18.9	0.5	0.25	0.25
1.5	3.2	4.3	17.5	18.9	0.5	0.25	0.25

Basket Data for W4 Series Bag Vessel with Flow Rates to 50 gpm				
Depth Nominal	Basket Diameter	Surface Area (sq. ft.)	Volume (cu. in.)	Standard Bag Size
12	3.9	1.0	130	#4

Dimensions in inches except where 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.

TYPICAL MODEL NUMBER

W	8	T	U	30	U	15	W	2	V	E	
Jonell Systems Series		Inlet Location		Basket Depth		Maximum Pressure		Inlet/Outlet Size		Outlet Location	
W Bag Series		T Over the Top Entry N Side Entry B Bottom Entry		12 12" 15 15" 18 18" 30 30"		10 100 psi 15 150 psi 30 300 psi		1 1" 6 6" K 1½" 8 8" 2 2" 10 10" 3 3" 12 12" 4 4"		B Bottom E Bottom Elbow Outlet S Side Outlet T Tee Bottom	
	Vessel OD		Material		ASME Code		Inlet/Outlet Style		O-ring Material		Options
	4 4" 24 24" 6 6" 30 30" 8 8" 36 36" 18 18" 42 42" 22 22" 48 48"		U 316 SS Wetted C Carbon Steel H Hastelloy Wetted A 304 SS Wetted		C ASME U stamp U ASME UM stamp N Non-code		N FNPT F RFSO W RFWN B Butt Welded K Sanitary Connection		N Buna V Viton E EPDM S Teflon encapsulated silicon T Teflon encapsulated Viton		O Opposite Hand I/O orientation S Strainrite hinged lid with special body length