

# MAHLE

Industry

## Gas Filter Housings Nowata GW and GE Series

Forward Flow, Wet Gas Filter/Separators with Mist Eliminator

**Request a Quote Today!**

### 1. Introduction

GW series filter separators for wet gas, remove particles of dust, dirt, sand and pipe scale plus liquids, including water, natural gas liquids, and light hydrocarbons. These housings have a two-stage construction utilizing cartridges and a mist eliminator. Choose the vertical configuration GW Series for low-volume applications.

Also available is the GE series (horizontal housing configuration) for high-volume applications. The GE series horizontal housings offer a separate lower sump for liquids collection.

Custom instrumentation and automation is also offered for these housings. Not intended for the exclusive removal of oil aerosols (See the GR series coalescer for this type of application).

The standard cartridges used with these units are the NFG series filter cartridges. The NFG series cartridge elements are designed to filter-coalesce liquid particles, as well as fine dirt particles from natural gas without excessive pressure differential build-up.

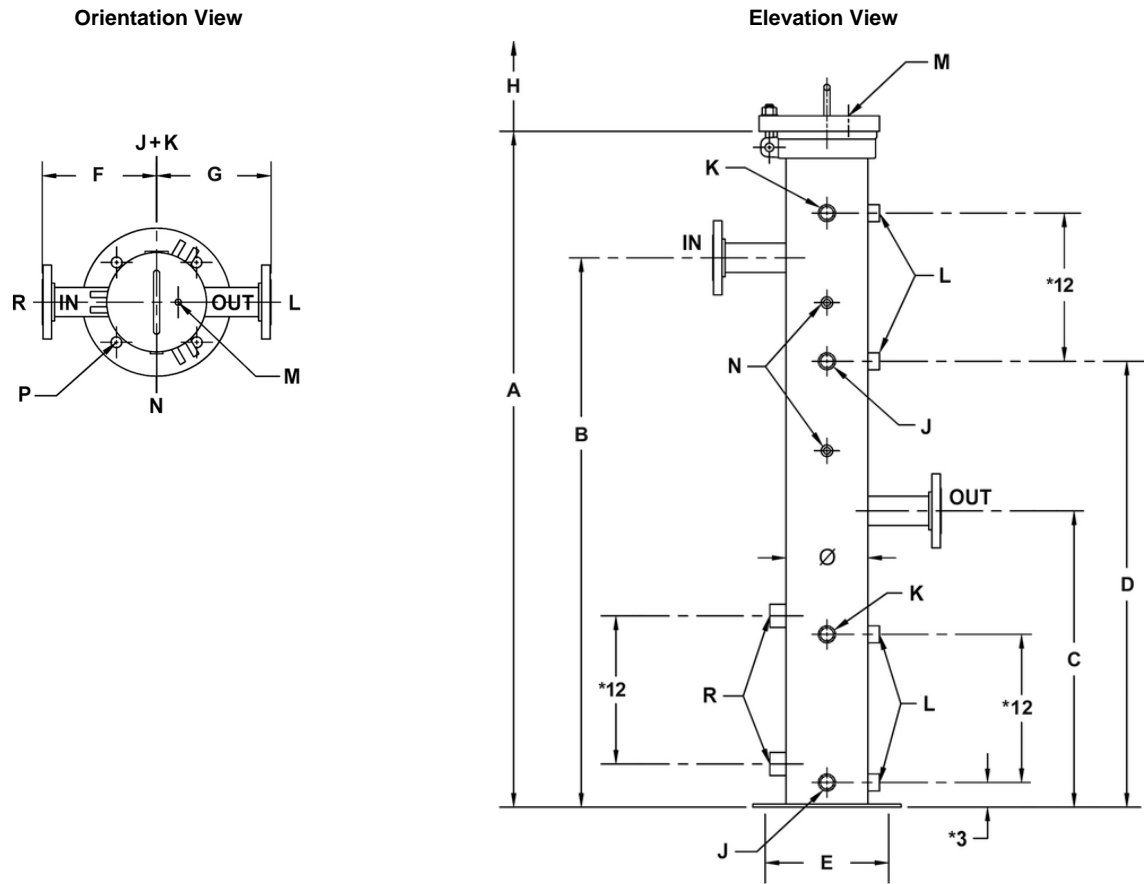
### Features

- All units are built to ASME Code. Optional U or UM stamp available
- 1/8" corrosion allowance
- Includes two-stage construction with cartridges and mist eliminator
- Utilizes NFG series cartridges
- Higher pressure vessels are available upon request
- Housings can be designed to customer specifications
- Can be customized with instrumentation and automation



## 2. Dimensional Information

Standard Size GW series - forward flow wet gas filter/separator with mist eliminator



### NOTES:

H = Required clearance for cartridge removal

J = Drain 1 inch FNPT (far side)

K = Vent 1 inch FNPT (far side)

L = Liquid level gauge ports 1/2 inch FNPT

M = Closure vent 1/4 inch FNPT

N = Differential pressure gauge ports 1/4 inch FNPT

P = 7/8" diameter on each of 4 bolt holes, on E bolt circle

R = High level shut down 1 inch FNPT

\*3 = 3 inches

\*12 = 12 inches

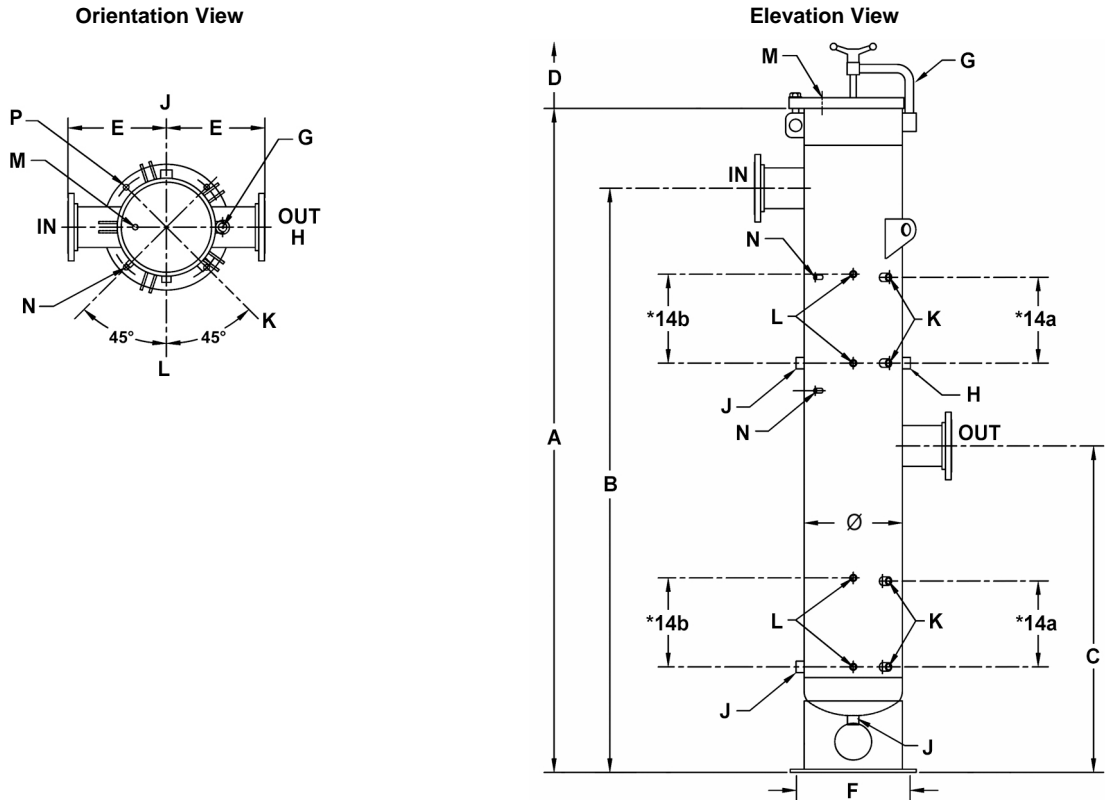
Most standard size GW series housings use NFG12, NFG24 or NFG36 filter cartridges.

Dimensions in inches. Specifications are for reference only and subject to change without notice.

Typical Model Number	Ø O.D.	Cartridge (Qty) Type	A	B	C	D	E	F	G	H	Inlet & Outlet
GWAC1C27F2CAN	6-5/8"	(1) NFG12	54-3/4"	44-1/2"	24"	36-1/8"	9-1/8"	9-1/4"	9-1/4"	14"	2" R.F.150# Flange
GWAC1C27F2CCN	6-5/8"	(1) NFG24	69-3/4"	44-1/2"	24"	36-1/8"	9-1/8"	9-1/4"	9-1/4"	26"	2" R.F.150# Flange
GWAC1C27F2CDN	6-5/8"	(1) NFG36	78-3/4"	44-1/2"	24"	36-1/8"	9-1/8"	9-1/4"	9-1/4"	38"	2" R.F.150# Flange
GWAC2C27F3CDN	8-5/8"	(2) NFG36	85-3/4"	51-1/2"	30"	43-1/8"	11-1/8"	10-1/4"	15"	38"	3" R.F.150# Flange
GWAC3C27F3CDN	10-3/4"	(3) NFG36	90-3/4"	56-1/2"	33"	48-1/8"	13-1/4"	11-3/8"	18"	38"	3" R.F.150# Flange

### 3. Standard Construction Notes

Intermediate and Large Size GW series - forward flow wet gas filter/separator with mist eliminator



**NOTES:**

- D = Required clearance for cartridge removal
- F = Bolt circle diameter
- G = Davit arm (used on 10 inch O.D. and larger housings)
- H = Blowdown 1 inch FNPT
- J = Drain 1 inch FNPT
- K = Liquid level control ports 1-1/2 inch FNPT
- L = Liquid level gauge ports 3/4 inch FNPT
- M = Closure vent 1/4 inch FNPT

- N = Differential pressure gauge ports 1/4 inch FNPT
- P = Bolt hole diameter, 4 each bolt holes, 45° off vessel centerline of F bolt circle diameter
- \*14a = 14 inches
- \*14b = 14-1/2 inches
- Most large GW series housings use NFG336 cartridges which are 36 inches long

Dimensions in inches. Specifications are for reference only and subject to change without notice.

Typical Model Number	Ø O.D.	Cartridge (Quantity) Model	A	B	C	D	E	F	P	Inlet & Outlet size
GWAC1C_F3CJN	8-5/8"	(1) NFG336	105"	94"	44"	26"	12-1/2"	11-1/8"	7/8"	3"
GWAC2C_F4CJN	10-3/4"	(2) NFG336	112"	101"	49"	26"	13-1/2"	13-1/4"	7/8"	4"
GWAC3C_F4CJN	12-3/4"	(3) NFG336	115"	104"	50"	26"	14-1/2"	15-1/4"	7/8"	4"
GWAC4C_F6CJN	16"	(4) NFG336	120"	107"	53"	26"	16"	18-1/2"	7/8"	6"
GWAC6C_F6CJN	18"	(6) NFG336	122"	111"	55"	26"	17"	20-1/2"	7/8"	6"
GWAC7C_F8CJN	20"	(7) NFG336	128"	113"	57"	26"	20"	22-1/2"	7/8"	8"
GWAC10C_F8CJN	22"	(10) NFG336	133"	118"	60"	26"	21"	25-1/2"	1-1/8"	8"
GWAC12C_F8CJN	24"	(12) NFG336	134"	119"	61"	26"	22"	27-1/2"	1-1/8"	8"
GWAC14C_F10CJN	26"	(14) NFG336	142"	125"	66"	26"	23"	29-1/2"	1-1/8"	10"
GWAC17C_F10CJN	28"	(17) NFG336	143"	126"	67"	26"	24"	31-1/2"	1-1/8"	10"
GWAC18C_F12CJN	30"	(18) NFG336	151"	132"	69"	26"	25"	33-1/2"	1-1/8"	12"
GWAC20C_F12CJN	32"	(20) NFG336	152"	133"	70"	26"	26"	35-1/2"	1-1/8"	12"
GWAC25C_F14CJN	34"	(25) NFG336	162"	141"	74"	26"	29"	37-1/2"	1-1/8"	14"
GWAC28C_F14CJN	36"	(28) NFG336	163"	142"	75"	26"	30"	39-1/2"	1-1/8"	14"

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