M Series Horizontal Multi-Cartridge

CARTRIDGE FILTER HOUSINGS
Designed for Use with High Flow Type Cartridges

INTRODUCTION

The Jonell Systems M series (formerly Nowata) horizontal, multi-cartridge housing utilizes a full length riser post to properly align cartridges during installation and ensure a positive seal. This prevents improper reseating of cartridges prior to being placed into service and also keeps possible system back pressure from dislodging the elements from their respective seals. The design also includes an internal element support plate to aid in dirty element removal without damage to element supports from dead weight deflection.

These housings are designed to be used with Jonell Systems JHFO High Flow type elements.

Filter cartridge access is conveniently located close to the operators waist making filter change-out quick and easy. Standard material of construction is carbon steel or stainless steel. In stainless steel construction, all wetted parts are stainless. The following non-wetted parts are made of carbon steel; Zinc plated bolts and nuts, davit arm assembly, leg assembly, and bolting lug assemblies.
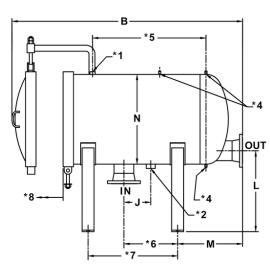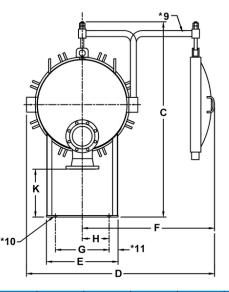
FEATURES

- Housings contain twice as much surface area for the same diameter vessel as competitive products
- Unique guide tubes for easy, accurate installation of cartridges
- Dual O-Rings on elements seal themselves as the vessel cover is tightened, insuring no liquid bypass. Springs or cups are not used
- Gauge ports and drain ports are pre-tapped making gauges and valves easy to install
- Multiple options for housing o-rings
- Optional air eliminator that releases air from the vessel which eliminates manual venting. Automatic venting insures full use of the available filter surface area
- Vessels meet ASME Code Section VIII, Division I which insures premium material and construction for safety, quality and longer vessel life
- Wide range of pressures available
- Other closure types available

JONELLSYSTEMS™
Filtration Group®

DIMENSIONAL INFORMATION

No. of Cartridges	Inlet / Outlet Size	B	C	D	E	F	G	H	J	K	L	M	N
4	4	64⅞	44⅞	38⅜	14½	26¾	8½	4¼	9	13	20½	16	18
5	4	65¾	49½	40¾	16	28½	10	5	9	13	21½	16½	20
7	6	68¾	56⅞	51⅞	19½	35⅜	13½	6¾	9	16	26	17½	24
11	6	77¼	65¼	63	24	44⅜	18	9	9	16	27	21¾	30
18	8	87½	75⅞	79¾	29	58¾	23	11½	9	20	32	20½	36
21	8	96⅞	84	92⅞	34	67⅛	28	14	9	20	33	22	42
29	10	102⅝	94⅞	97⅜	39	69¾	33	16½	11	23	38	23½	48

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.

NOTES:
*1 = 1 inch FNPT	*4 = Drain ¼ inch	*6 = 18 inches	*8 = 40 inches clearance required	*9 = Davit arm assembly
*2 = Drain 2 inches	*5 = 38 inches	*7 = 30 inches	for element removal	*10 = ⅞ inch x 1½ inch slotted holes (typically 4 places)

TYPICAL MODEL NUMBER

| | M | H | U | 11 | Q | C | 15 | W | 6 | V | |

Jonell Systems Series
M	Cartridge Housing

Vessel Material
C	Carbon Steel
S	CS / SS Trim / Internally Epoxy Lined
U	316SS Wetted
A	304SS Wetted

Element Info
Jonell Systems JHFO Series x Length
P	40"
V	60"
W	80"

Pressure Rating
15	150 psi
30	300 psi
74	740 psi
144	1440 psi

Inlet/Outlet Size
G	½"	M	3½"
H	¾"	4	4"
I	1"	6	6"
J	1¼"	8	8"
K	1½"	10	10"
2	2"	12	12"
L	2½"	14	14"
3	3"		

Options
Assigned by Jonell Systems to indicate specials

Vessel Orientation
V	Vertical
H	Horizontal
S	Scud Uni-mount
Y	Short Horizontal Uni-Mount
W	Tall Horizontal Uni-Mount

Number of Elements
Number of Cartridge Elements

ASME Code
C	ASME U stamp
U	ASME UM stamp
N	Non-code

Inlet/Outlet Style
F	RFSO
L	RFLWN
P	Socket weld RFSO
R	RTJSO
S	Socket weld CPLG
W	RFLWN
N	FNPT

Seal Material
N	Buna
V	Viton
E	EPDM
F	Flat gasket
S	Teflon encapsulated silicon
T	Teflon encapsulated Viton

M Series Vertical Multi-Cartridge

CARTRIDGE FILTER HOUSINGS
Designed for Use with High Flow Type Cartridges

INTRODUCTION

The Jonell Systems M Series (formerly Nowata), vertical cartridge housing utilizes a full length riser post to properly align cartridges during installation and ensure a positive seal. This prevents improper reseating of cartridges prior to being placed into service and also keeps possible system back pressure from dislodging the elements from their respective seals.

These housings are designed to be used with Jonell Systems JHFO High Flow type elements.

Housings that are 24 inches and under outside diameter feature a flat top style closure lid (as shown). Housings that are over 24 inches outside diameter utilize an elliptical top style closure. Standard material of construction is carbon steel or stainless steel. In stainless steel construction, all wetted parts are stainless. The following non-wetted parts are made of carbon stee: Zinc plated bolts and nuts, davit arm assembly, leg assembly, and bolting lug assemblies.
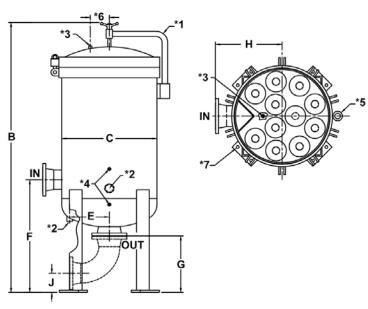
FEATURES

- Housings contain twice as much surface area for the same diameter vessel as competitive products
- Unique guide tubes for easy, accurate installation of cartridges
- Dual O-Rings on elements seal themselves as the vessel cover is tightened, insuring no liquid bypass. Springs or cups are not used
- Gauge ports and drain ports are pre-tapped making gauges and valves easy to install
- Multiple options for housing o-rings
- Optional boom and hoist are available to lift cartridges out of housing making the housing safer and easier to use than competitive vessels without this feature
- Optional air eliminator that releases air from the vessel which eliminates manual venting. Automatic venting insures full use of the available filter surface area
- Vessels meet ASME Code Section VIII, Division I which insures premium material and construction for safety, quality and longer vessel life
- Wide range of pressures available
- Other closure types available

DIMENSIONAL INFORMATION

No. of Cartridges	Inlet / Outlet Size	B	C	D	E	F	G	H	J
4	4	78	18	24	6½	27½	12½	13	5½
5	4	79⅝	20	26	7½	28½	13	15	6
7	6	84	24	28	9½	36¾	19⅛	17	6½
11	6	91⅜	30	34	12½	38⅛	19⅛	21	6½
18	8	101⅛	36	33¾	14¾	46⅝	24⅝	24	8½
21	8	116½	42	45¹⁵⁄₁₆	16⅝	48¾	24⅛	29	8
29	10	127¾	48	52¾	21⅜	57½	28⅝	32	9½

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.

NOTES:
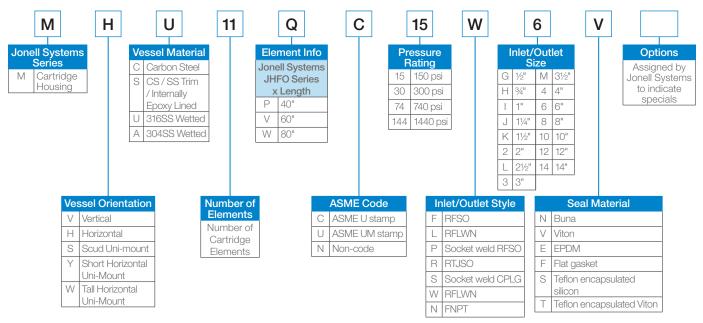Inlet/Outlet is ANSI 150 Class *2 = Drain 2 inches, far side *4 = DP taps ¼ inch *6 = 6 inches
*1 = Davit arm assembly *3 = Vent ¼ inch FNPT *5 = Davit pivot location *7 = 7/8 inch on BC (typically 4 places)

TYPICAL MODEL NUMBER

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Jonell Systems Series

M	Cartridge Housing

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Element Info

Jonell Systems JHFO Series x Length	
P	40"
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15	150 psi
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Options

Assigned by Jonell Systems to indicate specials

Vessel Orientation

V	Vertical
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Number of Elements

Number of Cartridge Elements

ASME Code

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