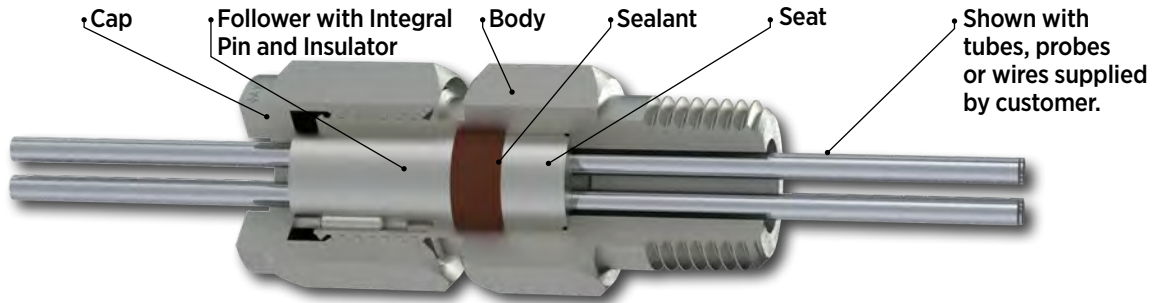


MHM Multiple Element Sealing (Multi-hole Metal Fittings)



Conax Technologies Model MHM (Multi-hole Metal) Fittings can be customized to accommodate special hole patterns, irregular shapes and high density requirements. Like the MHC Fittings, MHM Fittings can be used to seal gradient thermocouple, RTD or thermistor probes, tube bundles or a variety of devices within a single fitting.

The soft sealant technology seals against gases or liquids and resists element movement under pressure. Immersion lengths can be easily adjusted in the field. Individual elements can be set at different lengths to facilitate monitoring of multiple points. This style fitting also allows easy replacement of elements.

MHM Fitting bodies with NPT threads or SAE threads are constructed from 303 SST standard. Weld neck style fitting bodies are constructed from 316L SST standard. Seats and followers for all styles are constructed from 303 SST standard. Many optional materials are also available, including 316L SST, INCONEL™ and more. For information on alternative materials, see page 9.

Cap Style A offers a mounting thread only. Cap Style B provides threading on both ends for attachment to conduit or terminal heads. Alternative sealant materials and custom bore sizes are available. Please consult a Conax Technologies sales engineer for custom needs.

- Temperature Range: -400 °F to +1600 °F (-240 °C to +870 °C)
- Pressure Range: Vacuum to 10,000 PSIG (690 bar)— see Pressure Ratings in the Specifications Chart.
- Seals 1-27 Elements (standard)

Accessories

The replaceable sealant permits repeated use of the same fitting. Elements can be easily assembled or replaced in the field. To replace the sealant or elements, simply loosen the cap, replace the necessary items, relubricate and retorque the cap.

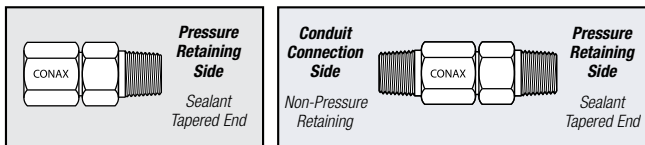
Fittings are supplied factory lubricated. When reused, the fittings should be relubricated to maintain the published torque and pressure ratings. If fittings are cleaned prior to assembly, they should be relubricated. On weld mount models, the heat from the welding process will destroy the lubricant. These models must also be relubricated prior to use. See page 107 for information on our lubrication kit.

To order a Replacement Packing Set, including sealant, seat and follower, order RPS – (MHM Size Fitting) – (Diameter) – (Number of Holes) – (Sealant).

Example: RPS-MHM5-040-16-T

To order a Replacement Sealant only, order RS – (MHM Size Fitting) – (Diameter) – (Number of Holes) – (Sealant).

Example: RS-MHM5-040-16-T

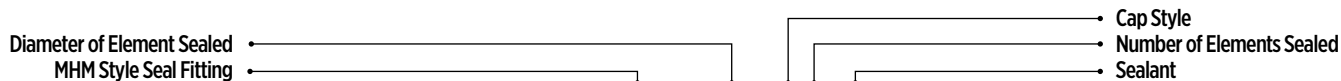


Type A has mounting thread only.

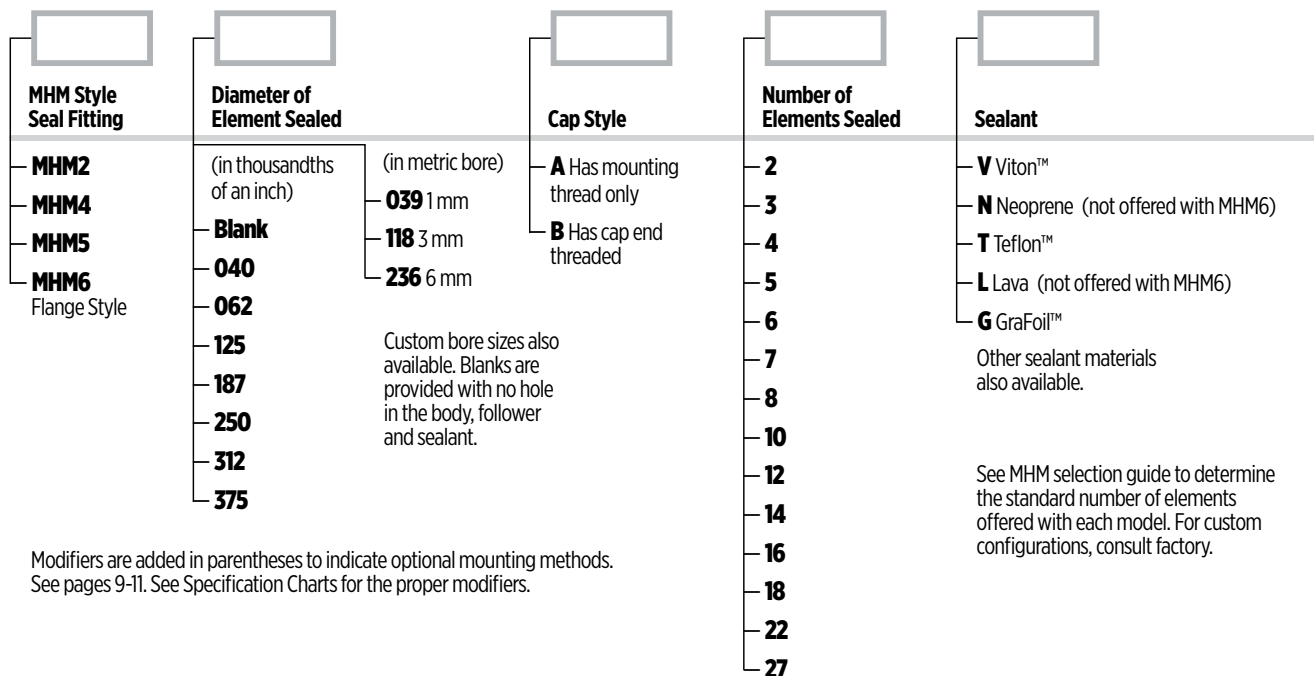
Type B has cap end threaded. B Cap NPT matches the standard mounting NPT.



Catalog Numbering System



Example: MHM5-040-B16-T

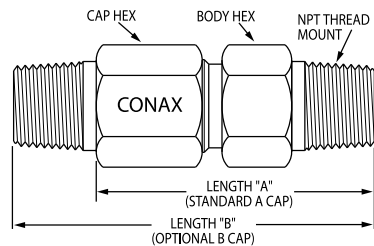


Modifiers are added in parentheses to indicate optional mounting methods. See pages 9-11. See Specification Charts for the proper modifiers.

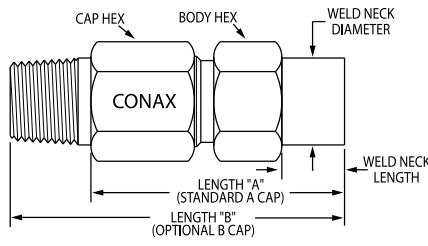
MHM Selection Guide		Diameter	Standard Number of Elements Offered													Max Hole Density	
Model			2	3	4	5	6	7	8	10	12	14	16	18	22	27	
MHM2	039					X											8
	040					X											8
	062					X											5
MHM4	118		X	X													5
	125		X	X													4
MHM5	039									X	X		X				60
	040									X	X		X				60
	062									X	X		X				37
	118						X		X								15
	125						X		X								14
	187	X	X	X	X	X											6
	236	X	X	X													4
	250	X	X	X													4
MHM6	118									X				X	X	X	29
	125									X				X	X	X	27
	187								X	X	X	X					14
	236				X	X	X										8
	250				X	X	X										7
	312	X	X	X													5
	375	X	X	X													4

*Consult factory for pressure ratings.

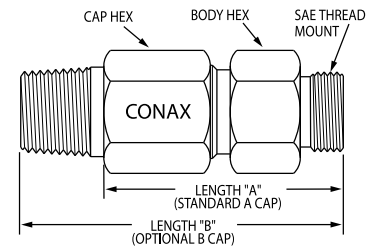
Specifications



Standard NPT



Weld Neck Mount



SAE Thread Mount

MHM Series Catalog Number	Tube/Probe Diameter		Number of Probes	Length				Hex Size				Pressure Rating									
	IN	MM		Length A	Length B	Body	Cap	Body	Cap	Neoprene	Viton™		Teflon™		Lava		GraFoil™				
				IN	MM	IN	MM	IN	IN	MM	MM	PSIG	BAR	PSIG	BAR	PSIG	BAR	PSIG	BAR	PSIG	BAR
Model MHM2																					
Standard 1/4" NPT																					
MHM2-BLANK	N/A	N/A	0	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MHM2-039-5	0.039	0.99	5	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	N/A	N/A	10,000	689	3,200	220	10,000	689	8,000	551
MHM2-040-5	0.040	1.02	5	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	N/A	N/A	10,000	689	3,200	220	10,000	689	8,000	551
MHM2-062-5	0.062	1.57	5	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	4,000	276	10,000	689	2,400	165	10,000	689	6,400	441
Weld Neck Mount (Weld Neck Mount Length 0.59", Diameter 0.540")*																					
MHM2(SWM2/S316L)-BLANK	N/A	N/A	0	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MHM2(SWM2/S316L)-039-5	0.039	0.99	5	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	N/A	N/A	10,000	689	3,200	220	10,000	689	8,000	551
MHM2(SWM2/S316L)-040-5	0.040	1.02	5	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	N/A	N/A	10,000	689	3,200	220	10,000	689	8,000	551
MHM2(SWM2/S316L)-062-5	0.062	1.57	5	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	4,000	276	10,000	689	2,400	165	10,000	689	6,400	441
SAE 3/4-16 Thread Mount (formerly MS)																					
MHM2(MSE8/)-BLANK	N/A	N/A	0	2.00	50.8	2.63	66.7	1.000	0.750	25.4	19.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MHM2(MSE8/)-039-5	0.039	0.99	5	2.00	50.8	2.63	66.7	1.000	0.750	25.4	19.1	N/A	N/A	9,138	630	3,200	220	9,138	630	8,000	551
MHM2(MSE8/)-040-5	0.040	1.02	5	2.00	50.8	2.63	66.7	1.000	0.750	25.4	19.1	N/A	N/A	9,138	630	3,200	220	9,138	630	8,000	551
MHM2(MSE8/)-062-5	0.062	1.57	5	2.00	50.8	2.63	66.7	1.000	0.750	25.4	19.1	4,000	276	9,138	630	2,400	165	9,138	630	6,400	441
Model MHM4																					
Standard 1/2" NPT																					
MHM4-BLANK	N/A	N/A	0	2.56	65.1	3.38	85.7	1.000	1.000	25.4	25.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MHM4-118-3	0.118	3.00	3	2.56	65.1	3.38	85.7	1.000	1.000	25.4	25.4	8,000	551	5,000	345	8,000	551	10,000	689	10,000	689
MHM4-118-4	0.118	3.00	4	2.56	65.1	3.38	85.7	1.000	1.000	25.4	25.4	8,000	551	5,000	345	8,000	551	10,000	689	10,000	689
MHM4-125-3	0.125	3.18	3	2.56	65.1	3.38	85.7	1.000	1.000	25.4	25.4	8,000	551	5,000	345	8,000	551	10,000	689	10,000	689
MHM4-125-4	0.125	3.18	4	2.56	65.1	3.38	85.7	1.000	1.000	25.4	25.4	8,000	551	5,000	345	8,000	551	10,000	689	10,000	689
Weld Neck Mount (Weld Neck Mount Length 0.78", Diameter 0.840")*																					
MHM4(SWM4/S316L)-BLANK	N/A	N/A	0	2.56	65.1	3.38	85.7	1.000	1.000	25.4	25.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MHM4(SWM4/S316L)-118-3	0.118	3.00	3	2.56	65.1	3.38	85.7	1.000	1.000	25.4	25.4	8,000	551	5,000	345	8,000	551	10,000	689	10,000	689
MHM4(SWM4/S316L)-118-4	0.118	3.00	4	2.56	65.1	3.38	85.7	1.000	1.000	25.4	25.4	8,000	551	5,000	345	8,000	551	10,000	689	10,000	689
MHM4(SWM4/S316L)-125-3	0.125	3.18	3	2.56	65.1	3.38	85.7	1.000	1.000	25.4	25.4	8,000	551	5,000	345	8,000	551	10,000	689	10,000	689
MHM4(SWM4/S316L)-125-4	0.125	3.18	4	2.56	65.1	3.38	85.7	1.000	1.000	25.4	25.4	8,000	551	5,000	345	8,000	551	10,000	689	10,000	689
SAE 7/8-14 Thread Mount (formerly MS)																					
MHM4(MSE10/)-BLANK	N/A	N/A	0	2.56	65.1	3.38	85.7	1.375	1.000	34.9	25.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MHM4(MSE10/)-118-3	0.118	3.00	3	2.56	65.1	3.38	85.7	1.375	1.000	34.9	25.4	8,000	551	5,000	345	8,000	551	9,138	630	9,138	630
MHM4(MSE10/)-118-4	0.118	3.00	4	2.56	65.1	3.38	85.7	1.375	1.000	34.9	25.4	8,000	551	5,000	345	8,000	551	9,138	630	9,138	630
MHM4(MSE10/)-125-3	0.125	3.18	3	2.56	65.1	3.38	85.7	1.375	1.000	34.9	25.4	8,000	551	5,000	345	8,000	551	9,138	630	9,138	630
MHM4(MSE10/)-125-4	0.125	3.18	4	2.56	65.1	3.38	85.7	1.375	1.000	34.9	25.4	8,000	551	5,000	345	8,000	551	9,138	630	9,138	630

Note: The pressure and torque ratings provided in this catalog apply only when bores are drilled by Conax Technologies. Custom bore sizes and/or a blank body, follower and/or sealant may be provided. Consult factory.

* Weld neck models require lubrication prior to use.

N/A = Not Applicable.

All pressure and torque ratings were determined at 68 °F (20 °C) using stainless steel rod as the element. Pressure ratings may degrade at higher temperatures. Pressure rating guide values are provided for fittings with elements restrained by the compressed sealant. Higher pressure may be attained with additional element restraints.

CAUTION: When sealing on soft, fragile or crushable elements, catalog torques may not apply. When catalog torques are applied, compressed sealants generate considerable forces on the element to be sealed. These forces could result in damaging soft or fragile elements such as coax cables or thin-wall materials. Consult factory for these types of applications.

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