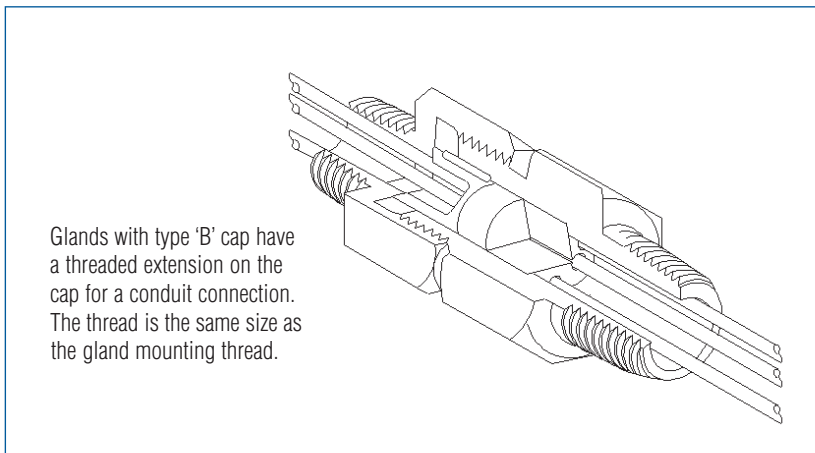
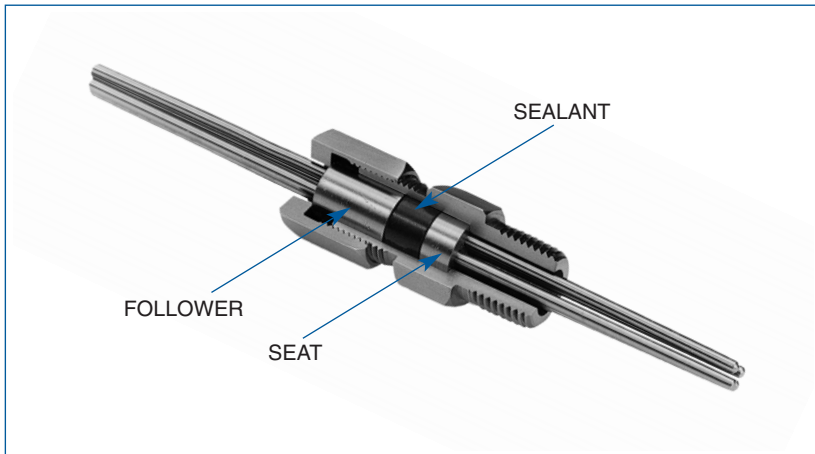


CUSTOM MULTIPLE TUBE OR PROBE SEALING - MHM GLANDS



Glands with type 'B' cap have a threaded extension on the cap for a conduit connection. The thread is the same size as the gland mounting thread.

- **SEALS 1 OR MORE ELEMENTS**
- **ADJUSTABLE IMMERSION LENGTH FOR EACH TUBE, PROBE OR SENSOR**
- **PRESSURE: Vacuum to 690 bar**
- **TEMPERATURE: -240°C to +870°C**
- **FIELD ADJUSTABLE**
- **REPLACEABLE 'SOFT' SEALANT**
- **STAINLESS STEEL REUSABLE FITTING**
- **SELECTED ELEMENTS EASILY REPLACED IN THE FIELD**
- **EASY INSTALLATION**

MHM glands allow for pressure and vacuum sealing of up to 16 tubes or probes through a single fitting. They are intended for use when other types of gland are not suitable or not available in a particular configuration. MHM glands may also be specified when a mixture of element sizes need to pass through a single fitting, when special hole patterns or irregular shapes are required and when a higher density of elements, than possible in other types of glands, is needed. Glands are available to carry elements in both metric and inch sizes from 1.0mm (0.040") to 6.35mm (0.25") dia.

Applications for MHM glands include: Pressure and vacuum sealing of gradient thermocouples, thermistor probes, tube bundles, liquid level sensors, or a variety of other sensors and devices in a single fitting.

MHM gland bodies, followers, caps and seats are manufactured from Stainless Steel AISI grades 316L (W.-Nr. 1.4404) and 303 (1.4305). Other materials may be specified.

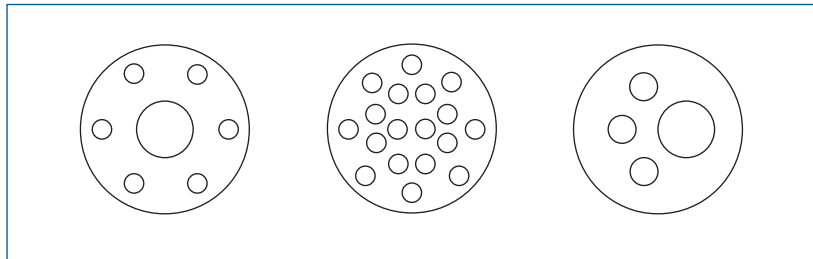
Conax pressure and vacuum sealing assemblies can be specified for use in a range of temperature, pressure and environmental situations by choosing a sealant that is suitable for the application. Replacement sealants and replacement packing sets (sealant with follower and seat) are available to enable repeated use of fittings.

SEALANT SELECTION GUIDE

Sealant (Sealant Code)	Temperature range	Pressure range @ 20°C
Neoprene (N)	-40°C to +93°C	Vacuum to 550 bar
Viton (V)	-20°C to +232°C	Vacuum to 690 bar
Teflon (T)	-185°C to +232°C	Vacuum to 550 bar
Lava (L)	-185°C to +870°C	1bar (0.1MPa) to 690 bar
Grafoil (G)	-240°C to +495°C (to +1650°C in a reducing atmos.)	Vacuum to 690 bar

SPECIFICATIONS, ORDERING INFORMATION

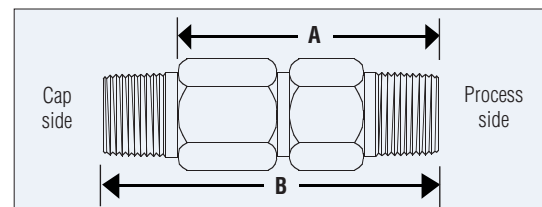
Diameter of element to be sealed (See note 2) mm in.	Maximum Number of elements	Gland mounting thread (NPT)	Gland Description [Order Code] (See note 1)	Pressure rating by sealant (bar) (See note 3)				
				Neoprene (N)	Viton (V)	Teflon (T)	Lava (L)	Grafoil (G)
1.0 0.040	5	1/4"	MHM2-040-* -**	-	-	220	690	550
	10	3/4"	MHM5-040-* -**	-	-	310	135	275
	12	3/4"	MHM5-040-* -**	-	-	310	170	310
	16	3/4"	MHM5-040-* -**	-	-	310	205	310
1.5	5	1/4"	MHM2-059-* -**	275	690	165	690	440
	16	3/4"	MHM5-059-* -**	-	-	410	480	445
0.062	5	1/4"	MHM2-062-* -**	275	690	165	690	440
	16	3/4"	MHM5-062-* -**	-	-	410	480	445
3.0	4	1/2"	MHM4-118-* -**	550	345	550	690	690
	8	3/4"	MHM5-118-* -**	275	310	310	410	310
0.125	4	1/2"	MHM4-125-* -**	550	345	550	690	690
	8	3/4"	MHM5-125-* -**	275	310	310	410	310
0.187	6	3/4"	MHM5-187-* -**	-	-	110	-	-
6.0	4	3/4"	MHM5-236-* -**	295	550	110	460	310
	4	3/4"	MHM5-250-* -**	295	550	110	460	310



Custom hole patterns can be provided for specific applications. Pressure ratings of glands using similar patterns will be dependent on the number and size of elements as well as the sealant material chosen.

DIMENSIONS

Size of gland	Gland mounting thread (NPT)	Body Hex size (in.)	Cap Hex size (in.)	Length of gland with type A cap Dim. A (mm)	Length of gland with type B cap Dim. B (mm)
MHM2	1/4"	3/4	3/4	50.80	66.68
MHM4	1/2"	1	1	65.09	85.73
MHM5	3/4"	1 1/2	1 1/2	84.14	106.36



NOTES

The table is primarily for guidance when specifying MHM glands. Each size of gland listed shows the maximum number of each size of elements that can be accommodated at the pressure ratings indicated. The table only refers to glands which will carry a single element or multiple elements of the same diameter.

Note 1:

Where MHM glands are to be specified when all elements to pass through the gland are of the same diameter, the Gland Description [Order Code] shown in the table, is completed by selecting the type of cap required - A or B is inserted at * followed by the number of elements to be sealed.

The code letter for the sealant selected is inserted at **.

Example: MHM4-118-A4-L describes an MHM5 size gland (1/2" NPT mounting thread) suitable for quantity 4 x 3.0mm dia. elements, with type A cap and Lava sealant.

Replacement Sealant Order Code
Example: RS-MHM4-118-4-L

Replacement Packing Set Order Code
Example: RPS-MHM4-118-4-L

Note 2:

Tolerance of tube or probe diameter = $\pm 0.127\text{mm}$ ($\pm 0.005"$).

Deviation from the nominal may affect pressure ratings.

Note 3:

All pressure and vacuum ratings are determined at 20°C with a stainless steel rod as the element.



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