

- **SEALS 1 to 16 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**

MHC glands allow for pressure and vacuum sealing of up to 16 tubes or probes through a single fitting. Glands are available to carry elements in both metric and inch sizes from 0.5mm (0.020") to 3.2mm (0.125") dia.

Applications for MHC glands include: Pressure and vacuum sealing of multiple thermocouples, resistance thermometers, thermistor probes, tube bundles, liquid level sensors, or a variety of other sensors and devices.

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

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 two insulators) 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 690 bar
Viton (V)	-20°C to +232°C	Vacuum to 690 bar
Teflon (T)	-185°C to +232°C	Vacuum to 690 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.	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)
0.5 0.020	2	1/8"	MHC1-020-*2-**	690	690	690	690	690
	2	1/4"	MHC2-020-*2-**	690	690	690	690	690
	4	1/8"	MHC1-020-*4-**	690	690	690	690	690
	4	1/4"	MHC2-020-*4-**	690	690	690	690	690
1.0 0.040	2 or 4	1/4"	MHC2-040-* -**	690	690	690	690	690
	6 or 8	1/2"	MHC4-040-* -**	690	690	690	690	690
0.032	2	1/8"	MHC1-032-*2-**	690	690	550	690	690
	2	1/4"	MHC2-032-*2-**	690	690	690	690	690
	4	1/8"	MHC1-032-*4-**	690	690	550	690	690
	4	1/4"	MHC2-032-*4-**	690	690	690	690	690
	6 or 8	1/2"	MHC4-032-* -**	690	690	690	690	690
	16	3/4"	MHC5-032-* -**	550	550	550	690	690
1.5 0.062	1	1/8"	MHC1-062-*1-**	550	550	550	550	690
	1	1/4"	MHC2-062-*1-**	690	690	690	690	690
	2, 3 or 4	1/2"	MHC4-062-* -**	550	690	550	690	690
	6	3/4"	MHC5-062-*6-**	550	690	550	690	690
	8	3/4"	MHC5-062-*8-**	550	690	690	690	690
3.0	2	3/4"	MHC5-118-*2-**	205	275	415	690	690
0.125	2	3/4"	MHC5-125-*2-**	205	275	415	690	690

NOTES

Note 1:

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. (Where there is no choice for the number of elements the number is already shown). The code letter for the sealant selected is inserted at **.

Example: MHC4-040-B6-T describes an MHC4 size gland (1/2" NPT mounting thread) suitable for quantity 6 x 1.0mm (0.040") dia. elements, with type B cap and Teflon sealant.

Replacement Sealant Order Code

Example: RS-MHC4-040-6-T

Replacement Packing Set Order Code

Example: RPS-MHC4-040-6-T

Note 2:

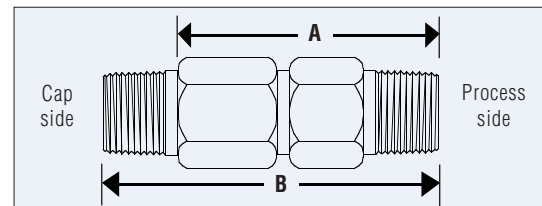
Tolerance of tube or probe diameter = $\pm 0.076\text{mm}$ ($\pm 0.003"$) for elements $< 1.0\text{mm}$ (0.040") and $\pm 0.127\text{mm}$ ($\pm 0.005"$) for elements $\geq 1.0\text{mm}$. Deviation from the nominal may affect pressure ratings.

Note 3:

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

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)
MHC1	1/8"	9/16	1/2	34.93	44.45
MHC2	1/4"	3/4	3/4	50.80	66.68
MHC4	1/2"	1	1	66.68	85.73
MHC5	3/4"	1 1/4	1 1/4	73.03	92.08



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