

# Diaphragm Seals for food / bio / pharmaceutical industries

For O-ring sealing  
DIN 11864-1, -2, -3

**MDM 73..**  
**MDM 73..v**

Information on applications, features, metrological influences such as temperature, level difference, floating time, etc., can be found in model overview 7000. Furthermore, you will find information on other chemical seal versions.

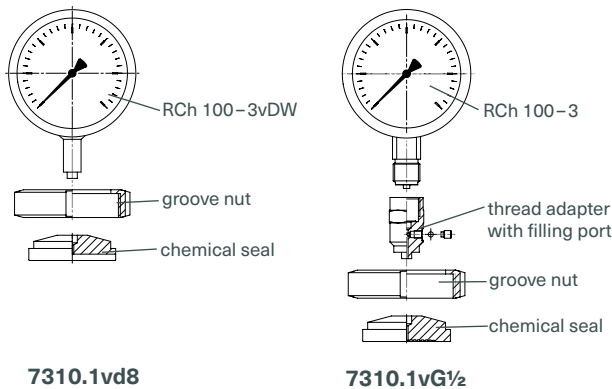
## Construction

**Model 73..vd8** has an orifice d8 as instrument connection for welding to a pressure gauge with process connection d8x5, e.g. RCh 100-3vDW.

Leakage cannot occur at the welded connection of pressure gauge / chemical seal and the filling port that is not accessible externally. The parts can be easily cleaned externally.

**Model 73..vG½** has a gauge adapter with female thread for direct mounting to measuring instruments with male thread.

The screwed connections pressure gauge / chemical seal and the filling port must not be loosened or opened, as otherwise filling fluid leaks and the pressure measuring unit loses its functional capability.



7310.1vd8

7310.1vG½

## Standard Versions

### Chemical Seal and Process Connection

Stainless steel 316L (1.4435)

### Instrument Connection

73..vd8 orifice d8  
73..vG½ G ½ female

### Diaphragm

Stainless steel 316L (1.4435) flush welded with chemical seal  
Helium leak detection up to 10<sup>-9</sup> mbar l/s  
Effective diaphragm diameter dM, see tables page 2ff.

### Surface Roughness of the Wetted Parts

R<sub>a</sub> < 0.8 µm

### Union Nut (if applicable)

Stainless steel

### Nominal Pressure

See tables page 2ff.

## Minimum Span Pressure Gauges

See tables page 2ff.

## t<sub>k</sub>-Value (mbar/10K) (Temperature Coefficient of the Chemical Seal)

See tables page 2ff. (for vegetable oil FN 1)



## Options

- Wetted parts R<sub>a</sub> < 0.4 µm
- Wetted parts electropolished
- Reinforced groove nut
- Calculation of the temperature-related additional error for the entire pressure measuring system

## Special Versions Upon Request

- Other instrument connections, whereas we do not recommend NPT female threads
- Other material combinations
- Versions according to other standards and nominal widths

## Accessory

Capillary line, cooling elements see data sheets 7.7002 and 7.7003  
Other accessory available upon request

## Mounting / Filling / Certificates

Information concerning mounting, filling and on certificates are available upon request.

## Ordering Information Chemical Seals

Please regard our detailed ordering information

- in model overview 7000
- in the checklists for pressure measuring instruments with chemical seal
- in the data sheet of the required pressure measuring instrument and add the information for the respective chemical seal

**Model** e.g. MDM 7310.1vd8  
**Nominal width** e.g. DN 40  
**Nominal pressure** e.g. PN 40  
**Options, if necessary** see above, e.g. R<sub>a</sub> < 0.4 µm

The reference temperature is +20 °C (+68 °F). Please specify if an operating temperature (t<sub>A</sub>) deviating from +20 °C (+68 °F) is required or the cleaning temperature (t<sub>R</sub>) is higher than +150 °C (+302 °F).

Example

**Pressure gauge** ...  
**Chemical seal** MDM 7310.1vd8, DN 40, PN 40,  
t<sub>A</sub> +80 °C, wetted parts electropolished

[www.armano-messtechnik.com](http://www.armano-messtechnik.com)

**ARMANO**

ARMANO Messtechnik GmbH

**Location Beierfeld**  
Am Gewerbehark 9 • 08344 Grünhain-Beierfeld  
Tel.: +49 3774 58 - 0 • Fax: +49 3774 58 - 545  
mail@armano-beierfeld.com

**Location Wesel**  
Manometerstraße 5 • 46487 Wesel-Ginderich  
Tel.: +49 2803 9130 - 0 • Fax: +49 2803 1035  
mail@armano-wesel.com

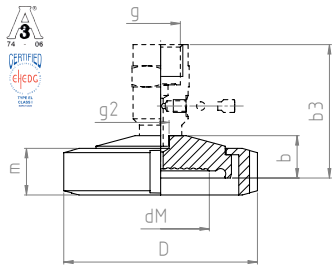
**7302**

12/22

# Dimensional Data (mm), Weight (kg), Minimum Span (bar) and $t_k$ -value (mbar /10K)

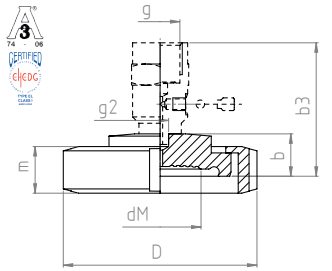
## Liner with Union Nut DIN 11864-1 Form A

### MDM 7310.1v... for tubes according to DIN 11866 – series A (DIN 11850)



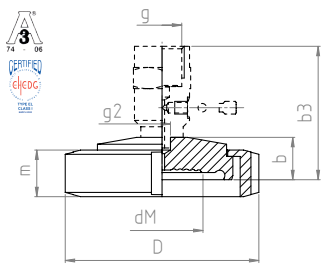
DN	PN	for outer tube $\varnothing$ x wall thickness	inner tube $\varnothing$	b	b3	D	dM	d <sup>1)</sup>	g	g2	m	minimum span	$t_k$ -value	approx. weight	
														vd8	vG $\frac{1}{2}$
20	40	23 x 1.5	20	20	63	54	17	19	G $\frac{1}{2}$	$\varnothing$ 8	20	0 – 4 <sup>5)</sup>	7.80	0.26	0.39
25		29 x 1.5	26			63	21	23				0 – 4 <sup>4)</sup>	5.50	0.36	0.49
32		35 x 1.5	32			70	28	30				0 – 2.5 <sup>4)</sup>	2.30	0.41	0.54
40		41 x 1.5	38			78	34	36				0 – 1 <sup>4)</sup>	1.20	0.54	0.67
50	25	53 x 1.5	50	20	63	92	46	48	G $\frac{1}{2}$	$\varnothing$ 8	21	0 – 1 <sup>3)</sup>	0.45	0.89	1.02
65 <sup>2)</sup>		70 x 2	66			112	60	62				0 – 0.6 <sup>3)</sup>	0.82	1.32	1.45
80		85 x 2	81			127	72	75				0 – 0.6 <sup>3)</sup>	0.64	1.60	1.73

### MDM 7310.2v... for tubes according to DIN 11866 – series B (DIN EN ISO 1127)



DN	PN	for outer tube $\varnothing$ x wall thickness	inner tube $\varnothing$	b	b3	D	dM	d <sup>1)</sup>	g	g2	m	minimum span	$t_k$ -value	approx. weight	
														vd8	vG $\frac{1}{2}$
26.9 <sup>2)</sup>	40	26.9 x 1.6	23.7	20	63	63	21	23	G $\frac{1}{2}$	$\varnothing$ 8	21	0 – 4 <sup>4)</sup>	5.50	0.32	0.45
33.7 <sup>2)</sup>		33.7 x 2	29.7			70	28	30				0 – 2.5 <sup>4)</sup>	2.30	0.40	0.53
42.4 <sup>2)</sup>		42.4 x 2	38.4			78	32	34				0 – 1 <sup>4)</sup>	1.40	0.50	0.63
48.3 <sup>2)</sup>		48.3 x 2	44.3			92	38	40				0 – 1 <sup>4)</sup>	0.80	0.88	1.01
60.3 <sup>2)</sup>	25	60.3 x 2	56.3	20	63	112	52	54	G $\frac{1}{2}$	$\varnothing$ 8	22	0 – 1 <sup>3)</sup>	0.95	1.30	1.43
76.1 <sup>2)</sup>		76.1 x 2	72.1			127	66	68				0 – 0.6 <sup>3)</sup>	0.73	1.59	1.73

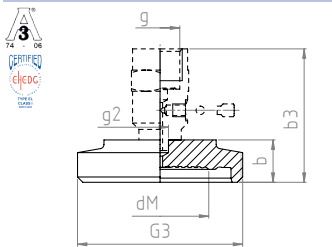
### MDM 7310.3v... for tubes according to DIN 11866 – series C (ASME-BPE)



NPS	PN	for outer tube $\varnothing$ x wall thickness	inner tube $\varnothing$	b	b3	D	dM	d <sup>1)</sup>	g	g2	m	minimum span	$t_k$ -value	approx. weight	
														vd8	vG $\frac{1}{2}$
3/4 <sup>1)2)</sup>	40	19.05 x 1.65	15.75	20	63	44	16	18	G $\frac{1}{2}$	$\varnothing$ 8	21	0 – 4 <sup>5)</sup>	9.00	0.24	0.37
1 <sup>1)2)</sup>		25.4 x 1.65	22.1			63	19	21				0 – 2.5 <sup>5)</sup>	6.50	0.33	0.46
1 1/2 <sup>1)2)</sup>		38.1 x 1.65	34.8			78	32	34				0 – 1 <sup>4)</sup>	1.40	0.55	0.68
2 <sup>1)2)</sup>		50.8 x 1.65	47.5			92	38	40				0 – 1 <sup>4)</sup>	0.80	0.91	1.04
2 1/2 <sup>1)2)</sup>	25	63.5 x 1.65	60.2	20	63	112	52	54	G $\frac{1}{2}$	$\varnothing$ 8	25	0 – 1 <sup>3)</sup>	0.95	1.32	1.45
3 <sup>1)2)</sup>		76.2 x 1.65	72.9			127	66	68				0 – 0.6 <sup>3)</sup>	0.73	1.61	1.74

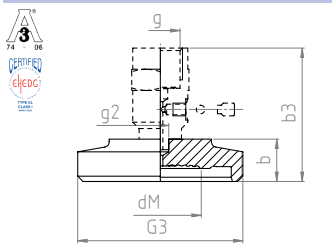
## Thread Connection Piece DIN 11864-1 Form A

### MDM 7315.1v... for tubes according to DIN 11866 – series A (DIN 11850)



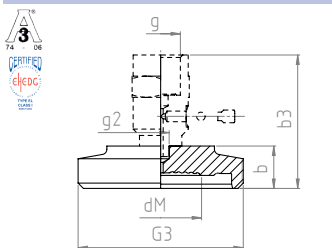
DN	PN	for outer tube $\varnothing$ x wall thickness	inner tube $\varnothing$	b	b3	dM	d <sup>1)</sup>	g	g2	G3	minimum span	$t_k$ -value	approx. weight	
													vd8	vG $\frac{1}{2}$
20 <sup>2)</sup>	40	23 x 1.5	20	20	63	17	19	G $\frac{1}{2}$	$\varnothing$ 8	Rd 44 x 1/8	0 – 4 <sup>5)</sup>	7.80	0.16	0.29
25 <sup>2)</sup>		29 x 1.5	26			21	23			Rd 52 x 1/8	0 – 4 <sup>4)</sup>	5.50	0.20	0.33
32 <sup>2)</sup>		35 x 1.5	32			28	30			Rd 58 x 1/8	0 – 2.5 <sup>4)</sup>	2.30	0.24	0.37
40 <sup>2)</sup>		41 x 1.5	38			34	36			Rd 65 x 1/8	0 – 1 <sup>4)</sup>	1.20	0.34	0.47
50 <sup>2)</sup>	25	53 x 1.5	50	20	63	46	48	G $\frac{1}{2}$	$\varnothing$ 8	Rd 78 x 1/8	0 – 1 <sup>3)</sup>	0.45	0.46	0.59
65 <sup>2)</sup>		70 x 2	66			60	62			Rd 95 x 1/8	0 – 0.6 <sup>3)</sup>	0.82	1.01	1.14
80 <sup>2)</sup>		85 x 2	81			72	75			Rd 110 x 1/4	0 – 0.6 <sup>3)</sup>	0.64	1.44	1.57

### MDM 7315.2v... for tubes according to DIN 11866 – series B (DIN EN ISO 1127)



DN	PN	for outer tube $\varnothing$ x wall thickness	inner tube $\varnothing$	b	b3	dM	d <sup>1)</sup>	g	g2	G3	minimum span	$t_k$ -value	approx. weight	
													vd8	vG $\frac{1}{2}$
26.9 <sup>2)</sup>	40	26.9 x 1.6	23.7	20	63	21	23	G $\frac{1}{2}$	$\varnothing$ 8	Rd 52 x 1/8	0 – 4 <sup>4)</sup>	5.50	0.19	0.32
33.7 <sup>2)</sup>		33.7 x 2	29.7			28	30			Rd 58 x 1/8	0 – 2.5 <sup>4)</sup>	2.30	0.23	0.36
42.4 <sup>2)</sup>		42.4 x 2	38.4			32	34			Rd 65 x 1/8	0 – 1 <sup>4)</sup>	1.40	0.33	0.46
48.3 <sup>2)</sup>		48.3 x 2	44.3			38	40			Rd 78 x 1/8	0 – 1 <sup>4)</sup>	0.80	0.45	0.58
60.3 <sup>2)</sup>	25	60.3 x 2	56.3	20	63	52	54	G $\frac{1}{2}$	$\varnothing$ 8	Rd 95 x 1/8	0 – 1 <sup>3)</sup>	0.95	1.00	1.13
76.1 <sup>2)</sup>		76.1 x 2	72.1			66	68			Rd 110 x 1/4	0 – 0.6 <sup>3)</sup>	0.73	1.43	1.56

### MDM 7315.3v... for tubes according to DIN 11866 – series C (ASME-BPE)



NPS	PN	for outer tube $\varnothing$ x wall thickness	inner tube $\varnothing$	b	b3	dM	d <sup>1)</sup>	g	g2	G3	minimum span	$t_k$ -value	approx. weight	
													vd8	vG $\frac{1}{2}$
3/4 <sup>1)2)</sup>	40	19.05 x 1.65	15.75	20	63	16	18	G $\frac{1}{2}$	$\varnothing$ 8	Rd 34 x 1/8	0 – 4 <sup>5)</sup>	9.00	0.10	0.23
1 <sup>1)2)</sup>		25.4 x 1.65	22.1			19	21			Rd 52 x 1/8	0 – 2.5 <sup>5)</sup>	6.50	0.20	0.33
1 1/2 <sup>1)2)</sup>		38.1 x 1.65	34.8			32	34			Rd 65 x 1/8	0 – 1 <sup>4)</sup>	1.40	0.34	0.47
2 <sup>1)2)</sup>		50.8 x 1.65	47.5			38	40			Rd 78 x 1/8	0 – 1 <sup>4)</sup>	0.80	0.46	0.59
2 1/2 <sup>1)2)</sup>	25	63.5 x 1.65	60.2	20	63	52	54	G $\frac{1}{2}$	$\varnothing$ 8	Rd 95 x 1/8	0 – 1 <sup>3)</sup>	0.95	1.01	1.14
3 <sup>1)2)</sup>		76.2 x 1.65	72.9			66	68			Rd 110 x 1/4	0 – 0.6 <sup>3)</sup>	0.73	1.44	1.57

<sup>1)</sup> external diameter diaphragm

<sup>2)</sup> delivery on request

<sup>3)</sup> for Bourdon tube pressure gauges NCS 100 (4<sup>\*)</sup>)

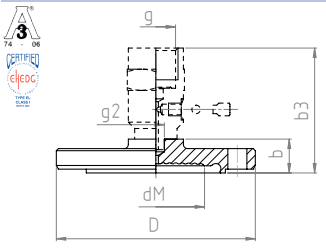
<sup>4)</sup> for Bourdon tube pressure gauge RCh / RChG 100 – 3 without limit switch contact assembly (GSG)

<sup>5)</sup> for Bourdon tube pressure gauge RCh / RChG 63 – 3 without limit switch contact assembly (GSG)

# Dimensional Data (mm), Weight (kg), Minimum Span (bar) and $t_k$ -value (mbar /10K)

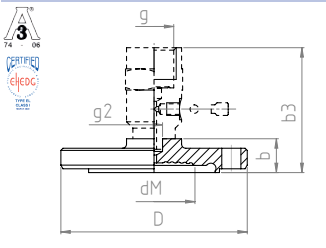
## Groove Flange DIN 11864-2 Form A

**MDM 7393v...** for tubes according to DIN 11866 – series A (DIN 11850)



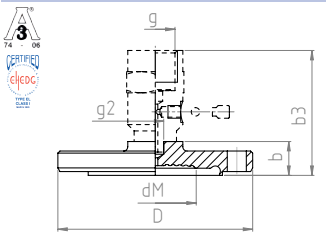
DN	PN	for outer tube Ø x wall thickness	inner tube Ø	b	b3	D	dM	d <sup>1)</sup>	g	g2	minimum span	$t_k$ -value	approx. weight	
													vd8	vG½
20 <sup>2)</sup>	25	23 x 1.5	20	16	59	64	17	19	G½	Ø 8	0 - 4 <sup>5)</sup>	7.80	0.22	0.35
25		29 x 1.5	26			70	21	23			0 - 4 <sup>4)</sup>	5.50	0.27	0.40
32		35 x 1.5	32			76	28	30			0 - 2.5 <sup>4)</sup>	2.30	0.32	0.45
40		41 x 1.5	38			82	34	36			0 - 1 <sup>4)</sup>	1.20	0.36	0.49
50	16	53 x 1.5	50	18	61	94	46	48	G½	Ø 8	0 - 1 <sup>3)</sup>	0.45	0.47	0.60
65 <sup>2)</sup>		70 x 2	66			113	60	62			0 - 0.6 <sup>3)</sup>	0.82	0.56	0.69
80 <sup>2)</sup>		85 x 2	81			133	72	75			0 - 0.6 <sup>3)</sup>	0.64	0.70	0.83

**MDM 7393.12v...** for tubes according to DIN 11866 – series B (DIN EN ISO 1127)



DN	PN	for outer tube Ø x wall thickness	inner tube Ø	b	b3	D	dM	d <sup>1)</sup>	g	g2	minimum span	$t_k$ -value	approx. weight	
													vd8	vG½
26.9	25	26.9 x 1.6	23.7	16	59	69	21	23	G½	Ø 8	0 - 4 <sup>4)</sup>	5.50	0.27	0.40
33.7		33.7 x 2	29.7			74	28	30			0 - 2.5 <sup>4)</sup>	2.30	0.30	0.43
42.4 <sup>2)</sup>		42.4 x 2	38.4			82	32	34			0 - 1 <sup>4)</sup>	1.40	0.36	0.49
48.3	16	48.3 x 2	44.3	18	61	88	38	40	G½	Ø 8	0 - 1 <sup>4)</sup>	0.80	0.41	0.54
60.3 <sup>2)</sup>		60.3 x 2	56.3			103	52	54			0 - 1 <sup>3)</sup>	0.95	0.50	0.63
76.1 <sup>2)</sup>		76.1 x 2	72.1			125	66	68			0 - 0.6 <sup>3)</sup>	0.73	0.65	0.78

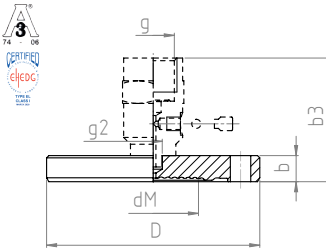
**MDM 7393.13v...** for tubes according to DIN 11866 – series C (ASME-BPE)



NPS	PN	for outer tube Ø x wall thickness	inner tube Ø	b	b3	D	dM	d <sup>1)</sup>	g	g2	minimum span	$t_k$ -value	approx. weight	
													vd8	vG½
¾ <sup>1)2)</sup>	25	19.05 x 1.65	15.75	16	59	59	16	18	G½	Ø 8	0 - 4 <sup>5)</sup>	9.00	0.19	0.32
1 <sup>1)2)</sup>		25.4 x 1.65	22.1			66	19	21			0 - 2.5 <sup>5)</sup>	6.50	0.24	0.37
1½ <sup>1)2)</sup>		38.1 x 1.65	34.8			79	32	34			0 - 1 <sup>4)</sup>	1.40	0.34	0.47
2 <sup>1)2)</sup>	16	50.8 x 1.65	47.5	18	61	92	38	40	G½	Ø 8	0 - 1 <sup>4)</sup>	0.80	0.45	0.58
2½ <sup>1)2)</sup>		63.5 x 1.65	60.2			107	52	54			0 - 1 <sup>3)</sup>	0.95	0.50	0.63
3 <sup>1)2)</sup>		76.2 x 1.65	72.9			125	66	68			0 - 0.6 <sup>3)</sup>	0.73	0.65	0.78

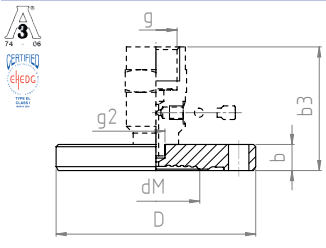
## Loose Flange DIN 11864-2 Form A

**MDM 7393.1v...** for tubes according to DIN 11866 – series A (DIN 11850)



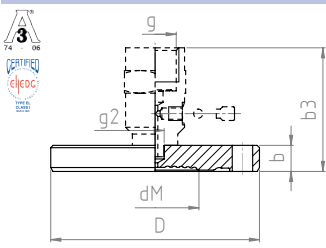
DN	PN	for outer tube Ø x wall thickness	inner tube Ø	b	b3	D	dM	d <sup>1)</sup>	g	g2	minimum span	$t_k$ -value	approx. weight	
													vd8	vG½
20	25	23 x 1.5	20	10	53	64	17	19	G½	Ø 8	0 - 4 <sup>5)</sup>	7.80	0.25	0.38
25		29 x 1.5	26			70	21	23			0 - 4 <sup>4)</sup>	5.50	0.30	0.43
32		35 x 1.5	32			76	28	30			0 - 2.5 <sup>4)</sup>	2.30	0.34	0.47
40		41 x 1.5	38			82	34	36			0 - 1 <sup>4)</sup>	1.20	0.42	0.55
50	16	53 x 1.5	50	12	55	94	46	48	G½	Ø 8	0 - 1 <sup>3)</sup>	0.45	0.57	0.70
65 <sup>2)</sup>		70 x 2	66			113	60	62			0 - 0.6 <sup>3)</sup>	0.82	0.70	0.83
80 <sup>2)</sup>		85 x 2	81			133	72	75			0 - 0.6 <sup>3)</sup>	0.64	1.17	1.3

**MDM 7393.2v...** for tubes according to DIN 11866 – series B (DIN EN ISO 1127)



DN	PN	for outer tube Ø x wall thickness	inner tube Ø	b	b3	D	dM	d <sup>1)</sup>	g	g2	minimum span	$t_k$ -value	approx. weight	
													vd8	vG½
26.9 <sup>2)</sup>	25	26.9 x 1.6	23.7	10	53	69	21	23	G½	Ø 8	0 - 4 <sup>4)</sup>	5.50	0.29	0.42
33.7 <sup>2)</sup>		33.7 x 2	29.7			74	28	30			0 - 2.5 <sup>4)</sup>	2.30	0.35	0.48
42.4 <sup>2)</sup>		42.4 x 2	38.4			82	32	34			0 - 1 <sup>4)</sup>	1.40	0.41	0.54
48.3 <sup>2)</sup>	16	48.3 x 2	44.3	12	55	88	38	40	G½	Ø 8	0 - 1 <sup>4)</sup>	0.80	0.50	0.63
60.3 <sup>2)</sup>		60.3 x 2	56.3			103	52	54			0 - 1 <sup>3)</sup>	0.95	0.60	0.73
76.1 <sup>2)</sup>		76.1 x 2	72.1			125	66	68			0 - 0.6 <sup>3)</sup>	0.73	0.81	0.94

**MDM 7393.3v...** for tubes according to DIN 11866 – series C (ASME-BPE)



NPS	PN	for outer tube Ø x wall thickness	inner tube Ø	b	b3	D	dM	d <sup>1)</sup>	g	g2	minimum span	$t_k$ -value	approx. weight	
													vd8	vG½
¾ <sup>1)2)</sup>	25	19.05 x 1.65	15.75	10	53	59	16	18	G½	Ø 8	0 - 4 <sup>5)</sup>	9.00	0.22	0.35
1 <sup>1)2)</sup>		25.4 x 1.65	22.1			66	19	21			0 - 2.5 <sup>5)</sup>	6.50	0.27	0.40
1½ <sup>1)2)</sup>		38.1 x 1.65	34.8			79	32	34			0 - 1 <sup>4)</sup>	1.40	0.40	0.53
2 <sup>1)2)</sup>	16	50.8 x 1.65	47.5	12	55	92	38	40	G½	Ø 8	0 - 1 <sup>4)</sup>	0.80	0.55	0.68
2½ <sup>1)2)</sup>		63.5 x 1.65	60.2			107	52	54			0 - 1 <sup>3)</sup>	0.95	0.62	0.75
3 <sup>1)2)</sup>		76.2 x 1.65	72.9			125	66	68			0 - 0.6 <sup>3)</sup>	0.73	0.81	0.94

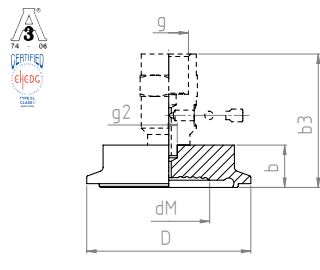
<sup>1)</sup> external diameter diaphragm  
<sup>2)</sup> delivery on request  
<sup>3)</sup> for Bourdon tube pressure gauges NCS 100 (4<sup>\*)</sup>

<sup>4)</sup> for Bourdon tube pressure gauge RCh / RChG 100 - 3 without limit switch contact assembly (GSG)  
<sup>5)</sup> for Bourdon tube pressure gauge RCh / RChG 63 - 3 without limit switch contact assembly (GSG)

# Dimensional Data (mm), Weight (kg), Minimum Span (bar) and $t_k$ -value (mbar /10K)

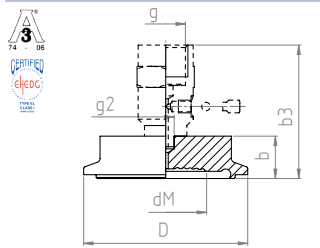
## Groove Clamp DIN 11864-3 Form A

### MDM 7340.48v... for tubes according to DIN 11866 – series A (DIN 11850)



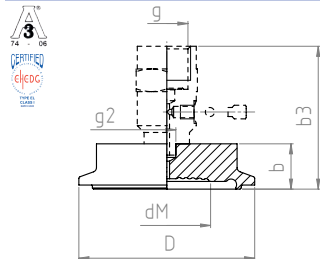
DN	PN	for outer tube $\varnothing$ x wall thickness	inner tube $\varnothing$	b	b3	D	dM	d <sup>1)</sup>	g	g2	minimum span	$t_k$ -value	approx. weight	
													vd8	vG $\frac{1}{2}$
20 <sup>2)</sup>	40	23 x 1.5	20	20	63	50.5	17	19	G $\frac{1}{2}$	$\varnothing$ 8	0 - 4 <sup>5)</sup>	7.80	0.18	0.31
25 <sup>2)</sup>		29 x 1.5	26				21	23			0 - 4 <sup>4)</sup>	5.50	0.20	0.33
32 <sup>2)</sup>		35 x 1.5	32				28	30			0 - 2.5 <sup>4)</sup>	2.30	0.22	0.35
40 <sup>2)</sup>	25	41 x 1.5	38	20	63	64	34	36	G $\frac{1}{2}$	$\varnothing$ 8	0 - 1 <sup>4)</sup>	1.20	0.29	0.42
50 <sup>2)</sup>		53 x 1.5	50				46	48			0 - 1 <sup>3)</sup>	0.45	0.43	0.59
65 <sup>2)</sup>		70 x 2	66				60	62			0 - 0.6 <sup>3)</sup>	0.82	0.51	0.64
80 <sup>2)</sup>	16	85 x 2	81			106	72	75			0 - 0.6 <sup>3)</sup>	0.64	0.65	0.78

### MDM 7340.61v... for tubes according to DIN 11866 – series B (DIN EN ISO 1127)



DN	PN	for outer tube $\varnothing$ x wall thickness	inner tube $\varnothing$	b	b3	D	dM	d <sup>1)</sup>	g	g2	minimum span	$t_k$ -value	approx. weight	
													vd8	vG $\frac{1}{2}$
26.9 <sup>2)</sup>	40	26.9 x 1.6	23.7	20	63	50.5	21	23	G $\frac{1}{2}$	$\varnothing$ 8	0 - 4 <sup>4)</sup>	5.50	0.18	0.31
33.7 <sup>2)</sup>		33.7 x 2	29.7				28	30			0 - 2.5 <sup>4)</sup>	2.30	0.20	0.33
42.4 <sup>2)</sup>		42.4 x 2	38.4				32	34			0 - 1 <sup>4)</sup>	1.40	0.22	0.35
48.3 <sup>2)</sup>	25	48.3 x 2	44.3	20	63	64	38	40	G $\frac{1}{2}$	$\varnothing$ 8	0 - 1 <sup>4)</sup>	0.80	0.46	0.59
60.3 <sup>2)</sup>		60.3 x 2	56.3				52	54			0 - 1 <sup>3)</sup>	0.95	0.51	0.64
76.1 <sup>2)</sup>		76.1 x 2	72.1				106	66			68	0 - 0.6 <sup>3)</sup>	0.73	0.65

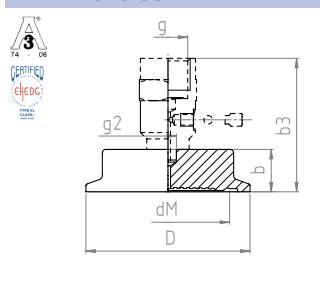
### MDM 7340.62v... for tubes according to DIN 11866 – series C (ASME-BPE)



NPS	PN	for outer tube $\varnothing$ x wall thickness	inner tube $\varnothing$	b	b3	D	dM	d <sup>1)</sup>	g	g2	minimum span	$t_k$ -value	approx. weight	
													vd8	vG $\frac{1}{2}$
3/4 <sup>1)2)</sup>	40	19.05 x 1.65	15.75	20	63	34	16	18	G $\frac{1}{2}$	$\varnothing$ 8	0 - 4 <sup>5)</sup>	9.00	0.12	0.25
1 <sup>1)2)</sup>		25.4 x 1.65	22.1				19	21			0 - 2.5 <sup>5)</sup>	6.50	0.18	0.31
1 1/2 <sup>1)2)</sup>		38.1 x 1.65	34.8				32	34			0 - 1 <sup>4)</sup>	1.40	0.22	0.35
2 <sup>1)2)</sup>	25	50.8 x 1.65	47.5	20	63	77.5	38	40	G $\frac{1}{2}$	$\varnothing$ 8	0 - 1 <sup>4)</sup>	0.80	0.45	0.59
2 1/2 <sup>1)2)</sup>		63.5 x 1.65	60.2				52	54			0 - 1 <sup>3)</sup>	0.95	0.51	0.64
3 <sup>1)2)</sup>		76.2 x 1.65	72.9				106	66			68	0 - 0.6 <sup>3)</sup>	0.73	0.65

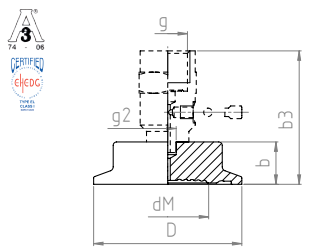
## Loose Clamp DIN 11864-3 Form A

### MDM 7340.58v... for tubes according to DIN 11866 – series A (DIN 11850)



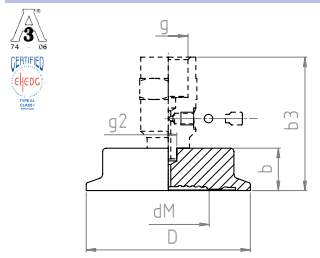
DN	PN	for outer tube $\varnothing$ x wall thickness	inner tube $\varnothing$	b	b3	D	dM	d <sup>1)</sup>	g	g2	minimum span	$t_k$ -value	approx. weight	
													vd8	vG $\frac{1}{2}$
20 <sup>2)</sup>	40	23 x 1.5	20	20	63	50.5	17	19	G $\frac{1}{2}$	$\varnothing$ 8	0 - 4 <sup>5)</sup>	7.80	0.22	0.35
25		29 x 1.5	26				21	23			0 - 4 <sup>4)</sup>	5.50	0.25	0.38
32		35 x 1.5	32				28	30			0 - 2.5 <sup>4)</sup>	2.30	0.33	0.46
40 <sup>2)</sup>	25	41 x 1.5	38	20	63	64	34	36	G $\frac{1}{2}$	$\varnothing$ 8	0 - 1 <sup>4)</sup>	1.20	0.40	0.53
50 <sup>2)</sup>		53 x 1.5	50				46	48			0 - 1 <sup>3)</sup>	0.45	0.51	0.64
65 <sup>2)</sup>		70 x 2	66				60	62			0 - 0.6 <sup>3)</sup>	0.82	0.62	0.75
80 <sup>2)</sup>	16	85 x 2	81			106	72	75			0 - 0.6 <sup>3)</sup>	0.64	0.80	0.93

### MDM 7340.63v... for tubes according to DIN 11866 – series B (DIN EN ISO 1127)



DN	PN	for outer tube $\varnothing$ x wall thickness	inner tube $\varnothing$	b	b3	D	dM	d <sup>1)</sup>	g	g2	minimum span	$t_k$ -value	approx. weight	
													vd8	vG $\frac{1}{2}$
26.9 <sup>2)</sup>	40	26.9 x 1.6	23.7	20	63	50.5	21	23	G $\frac{1}{2}$	$\varnothing$ 8	0 - 4 <sup>4)</sup>	5.50	0.29	0.42
33.7 <sup>2)</sup>		33.7 x 2	29.7				28	30			0 - 2.5 <sup>4)</sup>	2.30	0.34	0.47
42.4 <sup>2)</sup>		42.4 x 2	38.4				32	34			0 - 1 <sup>4)</sup>	1.40	0.41	0.54
48.3 <sup>2)</sup>	25	48.3 x 2	44.3	20	63	64	38	40	G $\frac{1}{2}$	$\varnothing$ 8	0 - 1 <sup>4)</sup>	0.80	0.34	0.47
60.3 <sup>2)</sup>		60.3 x 2	56.3				52	54			0 - 1 <sup>3)</sup>	0.95	0.59	0.72
76.1 <sup>2)</sup>		76.1 x 2	72.1				106	66			68	0 - 0.6 <sup>3)</sup>	0.73	0.75

### MDM 7340.64v... for tubes according to DIN 11866 – series C (ASME-BPE)



NPS	PN	for outer tube $\varnothing$ x wall thickness	inner tube $\varnothing$	b	b3	D	dM	d <sup>1)</sup>	g	g2	minimum span	$t_k$ -value	approx. weight	
													vd8	vG $\frac{1}{2}$
3/4"	40	19.05 x 1.65	15.75	20	63	34	16	18	G $\frac{1}{2}$	$\varnothing$ 8	0 - 4 <sup>5)</sup>	9.00	0.16	0.29
1"		25.4 x 1.65	22.1				19	21			0 - 2.5 <sup>5)</sup>	6.50	0.33	0.46
1 1/2"		38.1 x 1.65	34.8				32	34			0 - 1 <sup>4)</sup>	1.40	0.41	0.54
2"	25	50.8 x 1.65	47.5	20	63	77.5	38	40	G $\frac{1}{2}$	$\varnothing$ 8	0 - 1 <sup>4)</sup>	0.80	0.51	0.64
2 1/2"		63.5 x 1.65	60.2				52	54			0 - 1 <sup>3)</sup>	0.95	0.59	0.72
3"		76.2 x 1.65	72.9				106	66			68	0 - 0.6 <sup>3)</sup>	0.73	0.75

<sup>1)</sup> external diameter diaphragm  
<sup>2)</sup> delivery on request

<sup>3)</sup> for Bourdon tube pressure gauges NCS 100 (4\*)

<sup>4)</sup> for Bourdon tube pressure gauge RCh / RChG 100 - 3 without limit switch contact assembly (GSG)

<sup>5)</sup> for Bourdon tube pressure gauge RCh / RChG 63 - 3 without limit switch contact assembly (GSG)

© 2022 ARMANO Messtechnik GmbH · Technical changes, replacement of materials and printing errors excepted!