

# In-Line Seals - Type 769.. - Inline-Versions for general applications



EXAMPLE OF OPERATION:  
Type 7695

- DIAPHRAGM TUBE OF STAINLESS STEEL 1.4435 (316L)
- FLANGE- AND CELLULAR TYPE FOR DIRECT INTEGRATION INTO THE PROCESS PIPE
- MEASURING OF HIGHLY VISCOUS MEDIA, DEAD-ZONE FREE
- MOUNTING TO MANOMETER, PRESSURE SWITCHES AND PRESSURE TRANSMITTER
- SPECIAL FITTING LENGTH OPTIONAL POSSIBLE
- RESIDUES-FREE CLEANING OF MEASURING POINT

## TECHNICAL DATA

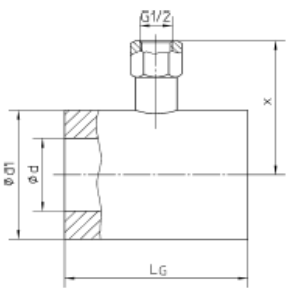
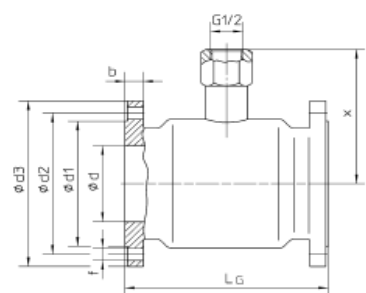
General information					
Process connection	Norm	Sealing Face	Nom. Size	Model	
	<u>Cellular type:</u> <b>DIN EN</b>	PN 16 – 100 DIN EN 1092-1 Form B2, PN 160-400: DIN 2526 Form E	DN 20...100	<b>RDM 7690</b>	
	<b>ASME</b>	ASME B 16.5 RF	DN 1"...4"	<b>RDM 7695</b>	
	<u>Flange type:</u> <b>DIN EN</b>	DIN EN 1092-1 Form B1	DN20...100	<b>RDM 7690.1</b>	
	<b>ASME</b>	ASME B 16.5 RF	DN 1"...4"	<b>RDM 7695.1</b>	
Basic body	stainless steel 1.4435 (316L)				
Separating diaphragm	stainless steel 1.4435 (316L), other materials on request				
Nominal pressure	PN 16 to 400 bar und 150 to 2500 lb/sg.in., dependent on model and size, other nominal size on request				
Minimum pressure range	Pressure gauge: 0-1 bar or 0-2.5 bar to PN, dependent on model and nominal size				
Instrument connection	standard: G ½ (½" BSP), DIN EN 837-1				
Filling liquid	silikon oil (FA1), others filling liquid on request				
Optionen					
Separating diaphragm	stainless steel 1.4435 (316L), electropolished				
Installation	- via cooling element - via capillary line (please specify the length by ordering)				
Certificates	material certificate 3.1, EN 10204 for medium contacted parts				

# In-Line Seals - Type 769.. - Inline-Versions for general applications

## DIMENSIONAL DRAWINGS

### In-Line-Seal Type 769....

Dimensions (mm/inches) and Weight (kg/lb), Minimum Pressure Ranges (MA)<sup>1)</sup>

Model	DN	PN	b	d	d1	d2	d3	d5	f	L <sub>G</sub> <sup>+0.5</sup>	x	MA <sup>1)</sup>	Weight (approx.)		
<b>Cellular type</b>  	<b>RDM 7690</b>  DIN EN 1092-1 Form B2 (PN 16-PN 100)  DIN 2526 Form E (PN 160-PN 400)	20	16 - 40	19.8 .78	58 2.28					126 4.96	76 2.99	2.5 bar 30 psi	1.56 3.44		
		25	16 - 400	26.2 1.03	63 2.48							78.5 3.09		2.46 5.42	
		40		38.5 1.52	85 3.35							89.5 3.52		4.19 9.24	
		50	16 - 320	50.7 2	95 3.74							94.5 3.72		3.77 8.31	
			400									139.5 5.49		3.92 8.64	
		80	16 - 250	79.7 3.14	130 5.12							100 3.94	112 4.41		6.18 13.62
		320 - 400										157 6.18		6.33 13.96	
	100	16 - 160	99.7 3.93	150 5.91								122 4.8		7.18 15.83	
		250 - 400										167 6.57		7.33 16.16	
	<b>Flange type</b>  	<b>RDM 7690.1</b> DIN EN 1092-1 Form B1	20	16 - 40	19.8 .78	58 2.28	75 2.95	105 4.13	50 1.97	4 x 14 .55	126 4.96	72 2.83	2.5 bar 30 psi	3.07 6.77	
			25		26.2 1.03	68 2.68	85 3.35	115 4.53	60 2.36				77 3.03		4.46 9.83
			40		38.5 1.52	88 3.46	110 4.33	150 5.91	70 2.76				82 3.23		6.55 14.44
			50	16	50.7 2	102 4.02	125 4.92	165 6.5	90 3.54	4 x 18 .71			92 3.62	1 bar 15 psi	7.44 16.40
				40											7.54 16.62
			80	16	79.7 3.14	138 5.43	160 6.3	200 7.87	124 4.88	8 x 18 .71		100 3.94	109 4.29		10.73 23.66
			40											11.98 26.41	
		100	16	99.7 3.93	158 6.22	180 7.09	220 8.66	150 5.91					122 4.8		13.14 28.97
		<b>RDM 7695.1</b> ASME B 16.5 RF	1*	150	14,2	26,2	51	79	108	45	4 x 16 .63		69,5	2,5 bar 30 psi	2,40 5,29
			300 - 600	1,03	2,01	89	124	1,77	4 x 19 .75			2,74		3,38 7,45	
1 1/2*			150	17,5			98,6	127		4 x 16 .63	126 4,96			4,27 9,41	
			300	20,6	38,5	73	114	155	65	4 x 22,4 .88		79,5		6,35 14,00	
	600		22,4	1,52	2,87	114	4,49	6,10			3,13		7,45 16,42		
2*	150		19,1			121	152		4 x 19 .75				6,00 13,23		
	300		22,8	50,7	92	127	165	84	8 x 19 .75	100 3,94	89	3,5	7,17 15,81		
	600		25,4	2	3,62	5	6,5						8,89 19,60		
3*	150		23,9			152	191		4 x 19 .75				10,30 22,71		
	300		28,4	79,7	127	168	210	117	8 x 22,4 .88	140 5,51	106	4,17	15,17 33,44		
	600		31,8	3,14	5	6,61	8,27						17,76 39,15		
4*	150		23,9			191	254		8 x 19 .75	100 3,94			14,57 32,12		
	300	31,8	99,7	157	200	10	145	8 x 22,4 .88	140	120	4,72	24,21 53,37			
	600	38,1	3,93	6,18	7,87		216	8 x 25,4 1	5,51			34,26 75,53			

<sup>1)</sup> Valid for pressure gauge NCS 100 (4");  
also valid for corresponding vacuum and  
vacuum/pressure compound ranges

Our products are constantly in further development, therefore subjects to modifications.