

Cell-type



### FEATURES

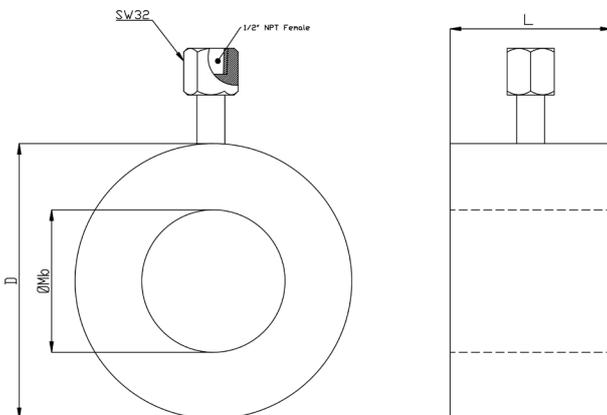
- Completely round, no corners and edges
- For direct installation between two flanges
- Wide choice of special materials

### APPLICATIONS

- For direct, permanent installation in pipelines
- For flowing, pure and aggressive media
- Chemical process industry
- Petrochemical industry

### STANDARD PARAMETERS

Range type	0 ... 0.6 to 0 ... 400 bar
Basic body	AISI 316L SS
Diaphragm	AISI 316L SS
Instrument connection	Pressure gauge or transmitter directly welded, process pressure transmitter with threaded adapter
Sealing fluid	Silicone oil
Facing finish	125 - 250 AARH for Raised Face
Assembly	Direct



Connections as per EN 1092-1				
DN	PN	D	Mb	L
25	6...400	63	28.5	60
40	6...400	85	43	60
50	6...320	95	54.5	60
80	6...250	130	82.5	60
100	6...160	150	107	60
125	6	178	132	60
125	10...63	188	132	60
150	6	202	152	60
150	10...63	212	152	60

Connections as per ANSI B 16.5				
Size	Class	D	Mb	L
1"	150...2500	63	28.5	60
1½"	150...2500	78	43	60
2"	150...1500	95	54.5	60
3"	150...900	130	82.5	60
4"	150...600	150	107	60
5"	150...300	186	132	60
6"	150...300	216	159	60

### ORDERING CODES

<b>1. RANGE TYPE</b>		<b>Z50</b>		<b>8. ASSEMBLY</b>		<b>DR</b>	
<b>Z50</b>	0...0.6 to 0...400 bar			<b>DR</b>	Direct		
				<b>RE</b>	Remote		
<b>2. BODY MATERIAL</b>		<b>MG</b>		<b>9. CAPILLARY</b>		<b>MF</b>	
<b>MG</b>	AISI 316L SS	<b>MC</b>	AISI 304 SS	<b>MC</b>	AISI 304 SS	<b>MF</b>	AISI 316 SS
<b>MF</b>	AISI 316 SS	<b>MM</b>	Monel				
<b>MO</b>	Hastelloy C-276	<b>MQ</b>	Inconel 600				
<b>MV</b>	Titanium	<b>MW</b>	Tantalum				
<b>MD</b>	Super Duplex	<b>MM</b>	Monel				
<b>3. DIAPHRAGM MATERIAL</b>		<b>MG</b>		<b>10. ARMOUR</b>		<b>MF</b>	
<b>MG</b>	AISI 316L SS	<b>MC</b>	AISI 304 SS	<b>MC</b>	AISI 304 SS	<b>MF</b>	AISI 316 SS
<b>MF</b>	AISI 316 SS	<b>MM</b>	Monel	<b>MP</b>	PVC (Ambient max. 60°C)		
<b>MO</b>	Hastelloy C-276	<b>MQ</b>	Inconel 600				
<b>MV</b>	Titanium	<b>MW</b>	Tantalum				
<b>MD</b>	Super Duplex	<b>MM</b>	Monel				
<b>4. INSTRUMENT CONNECTION</b>		<b>04B</b>		<b>11. REMOTE MOUNTING LENGTH</b>		<b>6000</b>	
<b>04N</b>	½" NPT (F)			<b>XXXX</b>	1000 mm up to 10000 mm		
<b>04B</b>	½" BSP (F)						
<b>03B</b>	3/8" BSP (F)						
<b>02B</b>	¼" BSP (F)						
<b>02N</b>	¼" NPT (F)						
<b>5. SEALING FLUID</b>		<b>OA</b>		<b>12. OTHER OPTIONS</b>		<b>TC</b>	
<b>OA</b>	Silicon			<b>TC</b>	Material test certificate		
<b>6. PROCESS CONNECTION</b>		<b>XXX</b>		<b>TN</b>	NACE standards		
<b>XXX</b>	Refer Flange Table for the codes			<b>TO</b>	Use for Oxygen service		
<b>7. FLANGE FACING</b>		<b>FF</b>					
<b>FF</b>	Flat Face						
<b>RJ</b>	Ring-Type Joint						
<b>RF</b>	Raised Face						

**Ordering Example: MT-S300FD-Z50-MG-MG-04B-OA-XXX-FF-DR-MF-MF-6000-TC**

#### NOTES

1. Other sealing liquids are available, contact factory for further details.
2. All metal diaphragms are laser welded to the Top Chamber.

**STANDARD RANGES**

ANSI B 16.5								
Code	Size	Rating	Code	Size	Rating	Code	Size	Rating
A01	½"	150#	A02	½"	300#	A03	½"	600#
A04	½"	900#	A05	½"	1500#	A06	½"	2500#
A07	¾"	150#	A08	¾"	300#	A09	¾"	600#
A10	¾"	900#	A11	¾"	1500#	A12	¾"	2500#
A13	1"	150#	A14	1"	300#	A15	1"	600#
A16	1"	900#	A17	1"	1500#	A18	1"	2500#
A19	1¼"	150#	A20	1¼"	300#	A21	1¼"	600#
A22	1¼"	900#	A23	1¼"	1500#	A24	1¼"	2500#
A25	1½"	150#	A26	1½"	300#	A27	1½"	600#
A28	1½"	900#	A29	1½"	1500#	A30	1½"	2500#
A31	2"	150#	A32	2"	300#	A33	2"	600#
A34	2"	900#	A35	2"	1500#	A36	2"	2500#
A37	2½"	150#	A38	2½"	300#	A39	2½"	600#
A40	2½"	900#	A41	2½"	1500#	A42	2½"	2500#
A43	3"	150#	A44	3"	300#	A45	3"	600#
A46	3"	900#	A47	3"	1500#	A48	3"	2500#
A49	4"	150#	A50	4"	300#	A51	4"	600#
A52	4"	900#	A53	4"	1500#	A54	4"	2500#