

Model 266MDT Differential  
Model 266GDT Gauge  
Model 266ADT Absolute

2600T series pressure transmitters

Engineered solutions for all applications

Measurement made easy



**Base accuracy**

- 0.04 % of calibrated span

**Proven sensor technology together with state-of-the-art digital technology**

- Large turn down ratio of up to 60:1

**Comprehensive selection of sensors**

- Optimized performance and stability

**10-year stability**

- 0.15 % of URL

**Flexible configuration options**

- Local configuration via keys on LCD indicator

**New TTG (through-the-glass) key technology**

- Enables quick and easy local configuration without the need to open the cover - even in environments with explosion protection

**IEC 61508 certification**

- For SIL2 (1oo1) and SIL3 (1oo2) applications

**Full compliance with Pressure Equipment Directive (PED) category III**

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

### General description

The 266xx transmitter models described in this data sheet are equipped with a direct mount diaphragm seal on the high pressure side. This is connected to the transmitter via a short capillary connection in a rigid protective tube. This structure represents a separate module that can be mounted on the process equipment using an appropriate diaphragm seal fastening mechanism. If appropriate versions for the high pressure side and low pressure side are selected from the ordering information, model 266MDT can be supplied in the following versions:

- a) With a direct mount diaphragm seal and a flange as a process connection, direct 1/4 – 18 NPT female thread or 1/2 – 14 NPT via adapter; the other measuring piping (liquid or gas-filled) can also be connected in this way for differential pressure measurement purposes. If the 1/4 – 18 NPT connection is selected, an appropriate filter is also supplied as standard so that the input that is not used can be sealed. In this way, the filter vents to the atmosphere during pressure measurements.
- b) With a direct mount diaphragm seal and a diaphragm seal with capillary tube on the low pressure side. Therefore, the use of both diaphragm seals enables differential pressure measurement to be carried out, although the same type and size of diaphragm seal must be selected for both sides. Models 266GDT and 266ADT feature a direct mount diaphragm seal on the positive side in each case. The atmospheric pressure serves as a reference for gauge pressure measurements, and an integrated absolute vacuum for absolute pressure measurements.

For additional specifications and details of the diaphragm seals, please refer to data sheet DS/S26. The table below lists the standard diaphragm seal types that can be mounted on 266xDx transmitters. The mnemonic symbol is specified as a reference for the compatibility table.

Diaphragm seal model	Diaphragm seal type	Seal diaphragm size (thickness)	Mnemonic symbol
S26FA S26FE S26RA S26RE	Flush diaphragm flanged seal (ASME and EN standards; fixed and rotating flange)	2 in. / DN 50	P2
		3 in. / DN 80	P3
		4 in. / DN 100	P3
		2 in. / DN 50 (thin)	F2
		3 in. / DN 80 (thin)	F3
		4 in. / DN 100 (thin)	F3
S26RJ	Flush diaphragm flanged seal (JIS standards; rotating flange only)	A 50	P2
		A 80	P3
		A 100	P3
S26RR	Flush diaphragm flanged seal (ring joint in acc. with ASME standards; rotating flange)	1.5 in.	P1.5
		2 in.	P2
		3 in.	P3
S26TT	Off-line diaphragm seal; threaded connection	2 1/2 in.	T 2.5

Diaphragm seal model	Diaphragm seal type	Seal diaphragm size (thickness)	Mnemonic symbol
S26MA, S26ME	Off-line diaphragm seal; flange connection (ASME and EN standards)	2 1/2 in.	T 2.5
S26SS	Diaphragm seal with compression nut, Triclamp Cherry Burrel Aseptic diaphragm seal for sanitary applications	2 in. / F50	S2
		3 in. / F80	S3
		4 in.	S3
S26VN	Diaphragm seal for weld-on saddle flange or weld-in socket flange (266GDT only)	2 1/2 in.	P1.5
S26JN	In-line diaphragm seal (266GDT / 266ADT only)	1 in.	J1
		1 1/2 in.	J1.5
		2 in.	J2
		3 in.	J3
S26KN	Application-specific diaphragm seals for the paper and pulp industry (266GDT / 266ADT only)	1 in. ball valve (see DS/266GST)	Y1
		1 in.	M1
		1 1/2 in. (gasket required)	M1.5
		1 1/2 in. (NPT - G 1/2)	M1.5A
		1 1/2 in. (M44 thread)	M1.5B

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

### Functional specification

#### Measuring range limits and span limits

Sensor code	Measuring range upper limit (URL)	Measuring range lower limit (LRL)		Minimum measuring span				Compatibility (permissible diaphragm seal)	
		266MDT Differential pressure	266GDT Gauge pressure 266ADT Absolute pressure	266MDT Differential pressure 266GDT Gauge pressure	266ADT Absolute pressure	266GDT with S26KN	266ADT with S26KN	Direct mount diaphragm seal only (different from S26KN)	Direct mounting plus diaphragm seal for 266MDT (max. cap. length in m)
C	6 kPa 60 mbar 24 inH <sub>2</sub> O	-6 kPa -60 mbar -24 inH <sub>2</sub> O	-6 kPa (Δ) -60 mbar (Δ) -24 inH <sub>2</sub> O (Δ)	0.6 kPa 6 mbar 2.41 inH <sub>2</sub> O	1.2 kPa 12 mbar 9 mmHg			P2, P3, F2, F3, E3, T2.5, S3	P3 (3), F2 (2), F3 (2), E3 (2), T2.5 (2), S3 (3)
F	40 kPa 400 mbar 160 inH <sub>2</sub> O	-40 kPa -400 mbar -160 inH <sub>2</sub> O	-40 kPa (Δ) -400 mbar (Δ) -160 inH <sub>2</sub> O (Δ)	0.67 kPa 6.67 mbar 2.68 inH <sub>2</sub> O	2.00 kPa 20 mbar 15 mmHg	2.00 kPa 20 mbar 8 inH <sub>2</sub> O	4.00 kPa 40 mbar 30 mmHg	P2, P3, F2, F3, E3, T2.5, S2, S3	P2 (2), P3 (5), F2 (3), F3 (6), E3 (3), T2.5 (3), S3 (4)
L	250 kPa 2500 mbar 1000 inH <sub>2</sub> O	-250 kPa -2500 mbar -1000 inH <sub>2</sub> O	0.07 kPa abs (§) 0.7 mbar abs (§) 0.5 mm Hg (§)	4.17 kPa 41.67 mbar 16.8 inH <sub>2</sub> O	12.5 kPa 125 mbar 93.8 mmHg	8.33 kPa 83.33 mbar 33.5 in H <sub>2</sub> O	25.0 kPa 250 mbar 187.5 mmHg	P1.5, P2, P3, F2, F3, E2, E3, T2.5, S2, S3	P1.5 (3), P2 (5), P3 (10), F2 (8), F3 (10), E2 (4), E3 (8), T2.5 (8), S2 (3), S3 (8)
D	1000 kPa 10 bar 145 psi		0.07 kPa abs (§) 0.7 mbar abs (§) 0.5 mm Hg (§)	16.7 kPa (#) 167 mbar (#) 2.42 psi (#)	50 kPa 500 mbar 7.25 psia	33.3 kPa 333 mbar 4.8 psi	100 kPa 1.0 bar 14.5 psia	P1.5, P2, P3, F2, F3, E2, E3, T2.5, S2, S3, Jx (all)	
N	2000 kPa 20 bar 290 psi	-2000 kPa -20 bar -290 psi		33.3 kPa <sup>1</sup> 333 mbar <sup>1</sup> 4.83 psi <sup>1</sup>				P1.5, P2, P3, F2, F3, E2, E3, T2.5, S2, S3	P1.5 (5), P2 (8), P3 (10), F2 (16), F3 (16), E2 (6), E3 (10), T2.5 (8), S2 (6), S3 (8)
U	3000 kPa 30 bar 435 psi		0.07 kPa abs (§) 0.7 mbar abs (§) 0.5 mm Hg (§)	50 kPa (#) 500 mbar (#) 7.25 psi (#)	150 kPa 1.50 bar 21.7 psia	100 kPa 1.00 bar 14.5 psi	300 kPa 3.00 bar 43.5 psia	P1.5, P2, P3, F2, F3, E2, E3, T2.5, S2, S3, Jx (all)	
R	10000 kPa 100 bar 1450 psi	-10000 kPa -100 bar -1450 psi	0.07 kPa abs (§) 0.7 mbar abs (§) 0.5 mm Hg (§)	167 kPa 1.67 bar 24.2 psi	500 kPa 5 bar 72.6 psia	333 kPa 3.33 bar 48.3 psi	1000 kPa 10 bar 145 psia	P1.5, P2, P3, F2, F3, E2, E3, T2.5, S2, S3, Jx (all)	P1.5 (5), P2 (8), P3 (10), F2 (16), F3 (16), E2 (6), E3 (10), T2.5 (8), S2 (6), S3 (8)
V	60000 kPa 600 bar 8700 psi		0.07 kPa abs (§) (#) 0.7 mbar abs (§) (#) 0.5 mmHg (§) (#)	1000 kPa (#) 10 bar (#) 145 psi (#)		2000 kPa 20 bar 290 psi		P1.5, P2, P3, F2, F3, T2.5, Jx (all)	P1.5 (5), P2 (8), P3 (8), F2 (8), F3 (8), T2.5 (6)

(§) Measuring range lower limit 0.135 kPa abs, 1.35 mbar abs, 1 mm Hg for fluorocarbon (Galden).

(Δ) 0.07 kPa abs., 0.7 mbar abs., 0.5 mm Hg for model 266 ADT

(#) 266GDT only

1 266MDT only

**Span limits**

Maximum span = URL

(for differential pressure transmitter, can be adjusted up to  $\pm$  URL (TD = 0.5) within the measuring range limits).

**Important**

To optimize measuring accuracy, it is recommended that you select the transmitter sensor code with the lowest turn down ratio.

**Zero position suppression and elevation**

The zero position and span can be set to any value within the measuring range limits listed in the table if:

- Set span  $\geq$  minimum span

**Damping**

Configurable time constant between 0 and 60 s.

This is in addition to the sensor response time.

**Warm-up time**

Ready for operation as per specifications in less than 10 s with minimum damping.

**Insulation resistance**

>100 M $\Omega$  at 500 V DC (between terminals and ground).

# Model 266MDT Differential Model 266GDT Gauge Model 266ADT Absolute

## Operating limits

SEE ALSO DATA SHEET DS/S26 FOR INFORMATION ON OTHER POSSIBLE RESTRICTIONS ON DIAPHRAGM SEAL VERSIONS AND FOR DATA RELATING TO DIAPHRAGM SEALS WHICH COULD POTENTIALLY BE USED (IF THIS OPTION IS SELECTED FOR THE LOW PRESSURE SIDE)

### Pressure limits

#### Overpressure limits

Without damage to the transmitter

Model 266MDT	Filling fluid	Overpressure limits
Sensors C to R	Silicone oil	0.07 kPa abs., 0.7 mbar abs., 0.5 mm Hg and 16 MPa, 160 bar, 2320 psi
Sensors C to R	Fluorocarbon (Galden)	17.5 kPa abs., 175 mbar abs., 131 mm Hg and 16 MPa, 160 bar, 2320 psi

Models 266GDT and 266ADT	Filling fluid	Overpressure limits
Sensor C, F	Silicone oil White oil	0.07 kPa abs., 0.7 mbar abs., 0.5 mm Hg and 1 MPa, 10 bar, 145 psi
Sensor L	Silicone oil White oil	0.07 kPa abs., 0.7 mbar abs., 0.5 mm Hg and 3 MPa, 30 bar, 435 psi
Sensor D	Silicone oil White oil	0.07 kPa abs., 0.7 mbar abs., 0.5 mm Hg and 6 MPa, 60 bar, 870 psi
Sensor U	Silicone oil White oil	0.07 kPa abs., 0.7 mbar abs., 0.5 mm Hg and 6 MPa, 60 bar, 870 psi
Sensor R	Silicone oil White oil	0.07 kPa abs., 0.7 mbar abs., 0.5 mm Hg and 30 MPa, 300 bar, 4350 psi
Sensor V	Silicone oil White oil	0.07 kPa abs., 0.7 mbar abs., 0.5 mm Hg and 90 MPa, 900 bar, 13,050 psi
Sensor C, F	Fluorocarbon (Galden)	0.135 kPa abs., 1.35 mbar abs., 1 mm Hg and 1 MPa, 10 bar, 145 psi
Sensor L	Fluorocarbon (Galden)	0.135 kPa abs., 1.35 mbar abs., 1 mm Hg and 3 MPa, 30 bar, 435 psi
Sensor D	Fluorocarbon (Galden)	0.135 kPa abs., 1.35 mbar abs., 1 mm Hg and 6 MPa, 60 bar, 870 psi
Sensor U	Fluorocarbon (Galden)	0.135 kPa abs., 1.35 mbar abs., 1 mm Hg and 6 MPa, 60 bar, 870 psi
Sensor R	Fluorocarbon (Galden)	0.135 kPa abs., 1.35 mbar abs., 1 mm Hg and 30 MPa, 300 bar, 4350 psi
Sensor V	Fluorocarbon (Galden)	0.135 kPa abs., 1.35 mbar abs., 1 mm Hg and 90 MPa, 900 bar, 13,050 psi

## Static pressure limits

Transmitters for differential pressure, models 266MDT, can operate within the specifications with the following limit values:

Sensors	Filling fluid	Static pressure limits
Sensors C to R	Silicone oil	3.5 kPa abs., 35 mbar abs., 0.5 psia and 16 MPa, 160 bar, 2320 psi
Sensors C to R	Fluorocarbon (Galden)	17.5 kPa abs., 175 mbar abs., 131 mm Hg and 16 MPa, 160 bar, 2320 psi

The overpressure limits and upper static pressure limits can be lowered by means of the nominal pressure rating of the diaphragm seal flange; see diaphragm seal data sheet DS/S26.

Diaphragm seal model S26RE acc. to EN 1092-1	C steel flange @ 120 °C (248 °F)	Flange made from stainless steel AISI 316 @ 20 °C (68 °F)
PN 16	16 bar	16 bar
PN 40	40 bar	40 bar
PN 63	63 bar	63 bar
PN 100	100 bar	100 bar

Diaphragm seal models S26RA and S26RR acc. to ASME B16.5	C steel flange @ 100 °C (38 °F)	Flange made from stainless steel AISI 316 @ 100 °C (38 °F)
Class 150	285 psi	275 psi
Class 300	740 psi	720 psi
Class 600	1480 psi	1440 psi
Class 900	2220 psi	2160 psi
Class 1500	3705 psi	3600 psi
Class 2500	6170 psi	6000 psi

Diaphragm seal model S26RJ acc. to JIS B 2220	C steel flange @ 120 °C (248 °F)	Flange made from stainless steel AISI 316 @ 120 °C (248 °F)
10K	14 bar	14 bar
20K	36 bar	36 bar
40K	68 bar	68 bar

<b>Diaphragm seal model S26FE acc. to EN 1092-1</b>	<b>Flange made from stainless steel AISI 316 L @ 20 °C (68 °F)</b>
PN 16	16 bar
PN 40	40 bar
PN 63	63 bar
PN 100	100 bar

<b>Diaphragm seal model S26FA acc. to ASME B16.5</b>	<b>Flange made from stainless steel AISI 316 L @ 38 °C (100 °F)</b>
Class 150	230 psi
Class 300	600 psi
Class 600	1200 psi

<b>Diaphragm seal model S26ME acc. to EN 1092-1</b>	<b>Flange made from stainless steel AISI 316 or Hastelloy C</b>
PN 16 / 40	34 bar @ 25 °C (77 °F)

<b>Diaphragm seal model S26MA acc. to ASME B16.5</b>	<b>Flange made from stainless steel AISI 316 L @ 25 °C (77 °F)</b>	<b>Flange made from stainless steel AISI 316 @ 25 °C (77 °F)</b>
Class 150	230 psi	290 psi
Class 300	600 psi	750 psi

The permissible load capacity decreases as the temperature rises above the values specified in the tables, as per material definition according to ASME B16.5, EN 1092-1, or JIS standards.

<b>Cable gland, diaphragm seal model S26TT</b>	<b>Temperature range</b>	<b>Pressure limit</b>
Stainless steel AISI 316 or C steel	0 ... 100 °C (32 ... 212 °F)	16 MPa, 160 bar, 2320 psi
	-60 ... 0 °C (-76 ... 32 °F)	16 MPa, 160 bar, 2320 psi
	100 ... 360 °C (212 ... 680 °F)	16 MPa, 160 bar, 2320 psi
Alloy steel	0 ... 37.8 °C (32 ... 100 °F)	16 MPa, 160 bar, 2320 psi
	-48.3 ... 0 °C (-55 ... 32 °F)	16 MPa, 160 bar, 2320 psi
	37.8 ... 360 °C (100 ... 680 °F)	13 MPa, 130 bar, 1885 psi

<b>Diaphragm seal model S26JN</b>
Up to 16 MPa, 160 bar, 2320 psi but no more than the nominal pressure of the fixing flange (NOT INCLUDED IN SCOPE OF DELIVERY)

<b>Diaphragm seal model S26WA acc. to ASME B16.5</b>
Up to 16 MPa, 160 bar, 2320 psi but no more than the nominal pressure of the fixing flange (NOT INCLUDED IN SCOPE OF DELIVERY)

<b>Diaphragm seal model S26WE acc. to EN 1092-1</b>	
Form B1	16 MPa, 160 bar, 2320 psi
Form D	16 MPa, 160 bar, 2320 psi
Form E	10 MPa, 100 bar, 1450 psi
but no more than the nominal pressure of the fixing flange (NOT INCLUDED IN SCOPE OF DELIVERY)	

<b>Diaphragm seal model S26KN</b>	
1 in. diaphragm seal - gasketed with O-Ring	3 MPa, 30 bar, 435 psi
1 1/2 in. diaphragm seal - gasketed with O-Ring	5 MPa, 50 bar, 2725 psi
1 in. diaphragm seal with connection for ball valve	see DS/266GST/AST
1 in. NPT, 1 1/2 in. NPT	34.5 MPa, 345 bar, 5000 psi
G 1 in. A, G 1 1/2 in. A	60 MPa, 600 bar, 8700 psi

<b>Cable gland, diaphragm seal model S26VN</b>	<b>Temperature range</b>	<b>Pressure limit</b>
Alloy steel	0 ... 37.8 °C (32 ... 100 °F)	16 MPa, 160 bar, 2320 psi
	-48.3 ... 0 °C (-55 ... 32 °F)	10 MPa, 100 bar, 1450 psi
	37.8 ... 360 °C (100 ... 680 °F)	10 MPa, 100 bar, 1450 psi

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Diaphragm seal model S26SS	Pressure limit
Triclamp 2 in.	3.8 MPa, 38 bar, 550 psi
Triclamp 3 in.	2.4 MPa, 24 bar, 350 psi
Triclamp 4 in.	1.7 MPa, 17 bar, 250 psi
Union nut F50	2.5 MPa, 25 bar, 360 psi
Union nut F80	2.5 MPa, 25 bar, 360 psi
Cherry Burrel 2 in.	1.9 MPa, 19 bar, 275 psi
Cherry Burrel 3 in.	1.9 MPa, 19 bar, 275 psi
Cherry Burrel 4 in.	1.9 MPa, 19 bar, 275 psi
Sanitary flush diaphragm seal, 4 in.	1.9 MPa, 19 bar, 275 psi
Sanitary extended diaphragm seal, 4 in.	1.9 MPa, 19 bar, 275 psi
V-band clamp, optional	1 MPa, 10 bar, 145 psi
4 in. Schedule 5, V-band clamp, optional	0.7 MPa, 7 bar, 100 psi

### Test pressure

The transmitters can withstand a pressure test with the following line pressure without leaking:

Model	Test pressure
266MDT	1.5 x nominal pressure (static pressure limit), simultaneously on both sides <sup>1</sup>
266GDT / 266ADT	Overpressure limits of sensor <sup>1</sup>

- <sup>1</sup> Or double the value of the diaphragm seal flange pressure rating, depending on which value is lower.  
Meets hydrostatic test requirements of ANSI/ISA-S 82.03.

### Temperature limits °C (°F)

#### Environment

This is the operating temperature.

Models 266MDT	Ambient temperature limits
Silicone oil for sensors C to R	-40 ... 85 °C (-40 ... 185 °F)
Fluorocarbon (Galden) for sensors C to R	-40 ... 85 °C (-40 ... 185 °F)

Models 266GDT – 266ADT	Ambient temperature limits
Silicone oil for sensor	-40 ... 85 °C (-40 ... 185 °F)
Inert (Galden) for sensor	-40 ... 85 °C (-40 ... 185 °F)
White oil for sensor	-6 ... 85 °C (21 ... 185 °F)

Models 266XDT	Ambient temperature limits
Integrated LCD display	-40 ... 85 °C (-40 ... 185 °F)

Below -20 °C (-4 °F) and above 70 °C (158 °F), it may no longer be possible to read the LCD display clearly.

### Important

For applications in potentially explosive environments, the temperature specified on the certificate / approval applies dependent upon the degree of protection sought.

### Process

Model 266MDT (side without diaphragm seal)	Process temperature limits
Silicone oil for sensors C to R	-40 ... 121 °C (-40 ... 250 °F) <sup>1</sup>
Fluorocarbon (Galden) for sensors C to R	-40 ... 121 °C (-40 ... 250 °F) <sup>2</sup>
Viton gasket	-20 ... 121 °C (-4 ... 250 °F)
PTFE gasket	-20 ... 85 °C (-4 ... 185 °F)

- <sup>1</sup> 85 °C (185 °F) for applications under 10 kPa, 100 mbar abs., 1.45 psia up to 3.5 kPa abs., 35 mbar abs., 26 mm Hg  
<sup>2</sup> 85 °C (185 °F) for applications below atmospheric pressure up to 17.5 kPa abs., 175 mbar abs., 131 mm Hg

Diaphragm seal model (mnemonic symbol)	Process temperature limits
S26JN tube DF (J1, J1.5, J2, J3)	-40 ... 180 °C (-40 ... 356 °F)
S26KN paper and pulp industry (M1, M1.5 all)	-40 ... 150 °C (-40 ... 302 °F)
S26KN paper and pulp industry (Y1)	See DS/266GST/AST
S26XX (ALL OTHER MNEMONIC SYMBOLS)	-100 ... 250 °C (-148 ... 480 °F)

Diaphragm seal model S26VN	Process temperature limits
Viton gasket	-20 ... 200 °C (-4 ... 392 °F)
PTFE gasket	-100 ... 260 °C (-148 ... 500 °F)
Graphite gasket	-100 ... 360 °C (-148 ... 680 °F)



The table below contains the specifications for diaphragm seal filling fluids when used in transmitters with (a) diaphragm seal(s).

Filling fluid (application)	Process temperature and pressure limits			
	Tmax °C (°F) @ Pabs > than	Pmin mbar abs (mm Hg)	Tmax °C (°F) @ Pmin	Tmin °C (°F)
Silicone oil PMX 200 10 cSt	250 (480) @ 385 mbar	0,7 (0,5)	130 (266)	-40 (-40)
Silicone oil Baysilone PD5 5 cSt	250 (480) @ 900 mbar	0,7 (0,5)	45 (123)	-85 (-121)
Fluorocarbon Galden G5 (oxygen applications)	160 (320) @ 1 bar	2,1 (1,52)	60 (140)	-20 (-4)
Fluorocarbon Halocarbon 4.2 (oxygen applications)	180 (356) @ 425 mbar	4 (3)	70 (158)	-20 (-4)
Silicone polymer Syltherm XLT (low-temperature applications)	110 (230) @ 118 mbar	2,1 (1,52)	20 (68)	-100 (-148)
Silicone oil DC 704 (high- temperature applications)	250 (480) @ 3.5 mbar	0,7 (0,5)	220 (328)	-10 (14)
Vegetable oil Neobee M-20 (food and beverage, sanitary applications) with FDA approval	200 (390) @ 1 bar	10 (7,2)	20 (68)	-18 (0)
Mineral oil Esso Marcol 122 (food and beverage, sanitary applications) with FDA approval	250 (480) @ 630 mbar	0,7 (0,5)	110 (230)	-6 (21)
Glycerin water 70 % (food and beverage, sanitary applications) with FDA approval	93 (200) @ 1 bar	1000 (760)	93 (200)	-7 (-20)

Flushing ring gasket material	Process limits		
	Pressure (max.)	Temperature	P x T
Garlock	6.9 MPa, 69 bar, 1,000 psi	-73 ... 204 °C (-100 ... 400 °F)	250,000 (°F x psi)
Graphite	2.5 MPa, 25 bar, 362 psi	-100 ... 380 °C (-148 ... 716 °F)	
PTFE	6 MPa, 60 bar, 870 psi	-100 ... 250 °C (-148 ... 482 °F)	

### Storage

Models 266XDT	Storage temperature range
Storage temperature	-50 ... 85 °C (-58 ... 185 °F)
Integrated LCD display	-40 ... 85 °C (-40 ... 185 °F)

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### Limits for environmental effects

#### Electromagnetic compatibility (EMC)

Meets requirements of EN 61326 and Namur NE-21  
Overvoltage strength (with overvoltage protection): 4 kV  
(in acc. with IEC 1000-4-5 EN 61000-4-5).

#### Pressure Equipment Directive (PED)

Meets requirements of Directive 97/23/EC Category III,  
module H.

#### Humidity

Relative humidity: up to 100 %.  
Condensation, icing: permitted.

#### Vibration resistance

Acceleration up to 2 g at frequencies of up to 1,000 Hz  
(according to IEC 60068-2-6).

#### Shock resistance

Acceleration: 50 g  
Duration: 11 ms  
(according to IEC 60068-2-27).

#### Humid and dusty atmospheres (degree of protection)

The transmitter is dust and sand-proof and protected against  
immersion effects as defined by EN 60529 (1989) to IP 67  
(IP 68 on request), by NEMA to 4X, or by JIS C0920.  
IP 65 with Harting Han plug connector.

### Hazardous atmospheres

With or without integral LCD display

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Type of protection "Intrinsic safety":

Approval acc. to ATEX Europa (code E1) and IEC Ex (code E8)

II 1 G Ex ia IIC T6/T5/T4 and

II 1/2 G Ex ia IIC T6/T5/T4; IP67.

II 1 D Ex iaD 20 T85 °C and

II 1/2 D Ex iaD 21 T85 °C; IP67.

NEPSI China (Code EY)

Ex ia IIC T4 ~T6, DIP A20T<sub>A</sub>, T4~T6.

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Type of protection "Flameproof (enclosure)"

Approval acc. to ATEX Europa (code E2) and IEC Ex (code E9)

II 1/2 G Ex d IIC T6 and

II 1/2 D Ex tD A21 T85 °C (-50 °C ≤ Ta ≤ +75 °C); IP67.

NEPSI China (Code EZ)

Ex d IIC T6, DIP A21T<sub>A</sub>, T6.

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Type of protection "nL":

ATEX Europa (code E3) and IEC Ex (code ER)

Declaration of conformity

II 3 G Ex nL IIC T6/T5/T4 and

II 3 D Ex tD A22 T85 °C; IP67.

NEPSI China (code EY) Declaration of conformity

Ex nL IIC T4 ~T6, DIP A22T<sub>A</sub>, T6.

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FM approvals for USA (code E6) and

FM approvals for Canada (code E4):

– Explosionproof (US): Class I, Div. 1, Groups A, B, C, D

– Explosionproof (Canada): Class I, Div. 1, Groups B, C, D

– Dust ignitionproof : Class II, Div. 1, Groups E, F, G

– Suitable for: Class II, Div. 2, Groups F, G; Class III, Div. 1, 2

– Non-incendive: Class I, Div. 2, Groups A, B, C, D

– Intrinsically safe: Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G

Class I, Zone 0 AEx ia IIC T6/T4, Zone 0 (FM US)

Class I, Zone 0 Ex ia IIC T6/T4, Zone 0 (FM Canada)

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ATEX combined (code EW = E1 + E2 + E3), (code E7 = E1 + E2)

ATEX combined and FM approvals (code EN = EW + E4 + E6)

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Combined FM approvals for USA and Canada

– Intrinsic safety (code EA)

– Flameproof enclosure (code EB)

– Non-incendive (code EC)

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IEC combined (code EH = E8 + E9), (code EI = E8 + E9 + ER)

NEPSI combined (code EP = EY + EZ), (code EQ = EY + EZ + ES)

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– GOST (Russia), GOST (Kazakhstan), based on ATEX

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The permissible ambient temperature ranges (within the limits  
of -50 and 85 °C) are specified in the type examination  
certificates dependent upon the temperature class.

## Electrical data and options

### HART digital communication and 4 ... 20 mA output

#### Power supply

The transmitter operates from 10.5 ... 42 V DC with no load and is protected against reversed polarity (additional loads enable operation above 42 V DC).

During use in Ex ia zones and in other intrinsically safe applications, the power supply must not exceed 30 V DC. Minimum operating voltage with "surge protection" option: 12.3 V DC

#### Ripple

Max. 20 mV over a 250 Ω load as per HART specifications.

#### Load limitations

Total loop resistance at 4 ... 20 mA and HART:

$$R \text{ (k}\Omega\text{)} = \frac{\text{Voltage supply} - \text{Minimum operating voltage (V DC)}}{22 \text{ mA}}$$

A minimum resistance of 250 Ω is required for HART communication.

#### Displays (optional)

##### Integrated LCD display (code L1)

Widescreen LCD display, 128 x 64 pixels, 52.5 x 27.2 mm (2.06 x 1.07 in.) dot matrix. Multilanguage. Four keys for device configuration and management.

Easy setup for quick commissioning.

Customized visualizations which the user can select.

Totalized and actual value flow indication.

The display can also be used to show static pressure, sensor temperature, and diagnostics messages, as well as make configuration settings.

##### Integrated LCD display with TTG operation (code L5)

As with the integrated LCD display above, but featuring an innovative TTG (through-the-glass) keypad which can be used to activate the device's configuration and management menus without having to remove the transmitter housing cover.

The TTG keys are protected against accidental activation.



M10142

Fig. 1: Integrated LCD display with TTG operation

#### Surge protection (optional)

Up to 4 kV

- Voltage: 1.2 μs rise time / 50 μs delay time at half value
- Current: 8 μs rise time / 20 μs delay time at half value

#### Output signal

Two-wire output 4 ... 20 mA, can be selected by user: linear or square root output signal, characteristic with exponents 3/2 or 5/2, square root for bidirectional flow, linearization table with 22 points (i.e., for level measurements in horizontal, cylindrical containers and spherical vessels).

HART communication provides digital process variables superimposed on the 4 ... 20 mA signal (protocol according to Bell 202 FSK standard).

#### Output current limits (according to NAMUR standard)

Overload condition

- Lower limit: 3.8 mA (configurable from 3.8 ... 4 mA)
- Upper limit: 20.5 mA (configurable from 20 ... 21 mA)

#### Alarm current

- Minimum alarm current: 3.6 mA (configurable from 3.6 ... 4 mA)
- Maximum alarm current: 21 mA (configurable from 20 ... 22 mA)

Default setting: High Alarm Current

#### Process diagnostics (PILD)

Plugged impulse line detection (PILD) generates a warning via HART communication. The device can also be configured to drive the analog output signal to the "alarm current".

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

### FOUNDATION fieldbus output

#### Model

LINK MASTER

Link Active Scheduler (LAS) capability implemented.

Manufacturer code: 000320 (hex)

Device type code: 0007 (hex)

#### Power supply

The transmitter operates from 9 ... 32 V DC, regardless of polarity, with or without surge protection.

During use in EEx ia zones, the power supply must not exceed 24 V DC (entity certification) or 17.5 V DC (FISCO certification) according to FF-816.

#### Current consumption

Operating (quiescent): 15 mA

Fault current limit value: 20 mA max.

#### Output signal

Physical layer in accordance with IEC 11582 / EN 611582; transmission using Manchester II modulation at 31.25 kbit/s.

#### Function blocks / cycle time

- 3 enhanced analog input blocks / 25 ms max. (each)
- 1 extended PID block / 40 ms max.
- 1 standard arithmetic block / 25 ms
- 1 standard input selector block / 25 ms
- 1 standard control selector block / 25 ms
- 1 standard signal characterization block / 25 ms
- 1 standard integrator / totalizer block / 25 ms

#### Additional blocks

- 1 enhanced resource block
- 1 manufacturer-specific pressure with calibration transducer block
- 1 manufacturer-specific advanced diagnostics transducer block with plugged impulse line detection
- 1 manufacturer-specific local display transducer block

#### Number of link objects

35

#### Number of VCRs

35

### Output interface

FOUNDATION fieldbus digital communication protocol in accordance with standard H1; complies with specification V. 1.7.

FF registration in progress.

### Integrated LCD display

Widescreen LCD display, 128 x 64 pixels, 52.5 x 27.2 mm (2.06 x 1.07 in.) dot matrix. Multilanguage.

Four keys for device configuration and management.

Easy setup for quick commissioning.

Customized visualizations which the user can select.

Totalized and actual value flow indication.

The display can also be used to show static pressure, sensor temperature, and diagnostics messages, as well as make configuration settings.

### Transmitter interference mode

The output signal is "frozen" at the last valid value in the event of significant transmitter interference, once this interference is detected by the self-diagnostics function (which also displays error states).

In the event of electronics failures or short circuits, the transmitter consumption is electronically limited to a defined value (approx. 20 mA) in order to ensure network safety.

## PROFIBUS PA output

### Model

Pressure transmitter, compliant with Profile 3.0.1  
ID number: 3450 (hex)

### Power supply

The transmitter operates from 9 ... 32 V DC, regardless of polarity, with or without surge protection.  
The power supply must not exceed 17.5 V DC when used in EEx ia zones.  
Intrinsically safe installation in accordance with FISCO model.

### Current consumption

Operating (quiescent): 15 mA  
Fault current limit value: 20 mA max.

### Output signal

Physical layer in accordance with IEC 1158-2 / EN 61158-2;  
transmission using Manchester II modulation at 31.25 kbit/s.

### Output interface

PROFIBUS PA communication according to PROFIBUS DP  
50170 Part 2 / DIN 19245 Parts 1-3

### Output cycle time

25 ms

### Data blocks

266MDT:

- 1 "physical block"
- 3 "analog input" blocks
- 1 "pressure transducer block" with calibration
- 1 "advanced diagnostics transducer block" with plugged impulse line detection
- 1 "transducer block" for local display

266GDT / ADT:

- 1 "physical block"
- 3 "analog input" blocks
- 1 "pressure transducer block" with calibration
- 1 "transducer block" for local display

## Integrated LCD display

Widescreen LCD display, 128 x 64 pixels,  
52.5 x 27.2 mm (2.06 x 1.07 in.) dot matrix. Multilanguage.  
Four keys for device configuration and management.  
Easy setup for quick commissioning.  
Customized visualizations which the user can select.  
Actual value flow indication.  
The display can also be used to show static pressure, sensor temperature, and diagnostics messages, as well as make configuration settings.

## Transmitter interference mode

In the event of significant transmitter interference that is detected by the self-diagnostics function, the output signal can be put into defined states that the user is able to select: safe value, last valid value, or calculated value.  
In the event of electronics failures or short circuits, the transmitter consumption is electronically limited to a defined value (approx. 20 mA) in order to ensure network safety.

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

### Measuring accuracy

Measured with reference conditions acc. to IEC 60770 environment

Ambient temperature 20 °C (68 °F), rel. humidity 65 %, atmospheric pressure 1,013 hPa (1,013 mbar), position of measuring cell (separation diaphragm areas) vertical, measuring span based on zero position, separation diaphragms made from stainless steel AISI 316 L or Hastelloy, silicone oil filling fluid, HART digital trim values equal to 4 and 20 mA span end points, linear characteristic.

Unless otherwise stated, errors are specified as a % of the span value.

Some measuring accuracy levels relating to the upper measuring range limit (URL) are affected by the current turn down (TD); i.e., the ratio of the upper measuring range limit to the set span.

FOR OPTIMUM MEASURING ACCURACY, IT IS RECOMMENDED THAT YOU SELECT THE TRANSMITTER SENSOR CODE WHICH WILL PROVIDE THE LOWEST TD VALUE.

### Measuring error

% of calibrated span, consisting of terminal-based non-linearity, hysteresis, and non-repeatability.

In the case of fieldbus devices, SPAN refers to the analog input function block output scale range.

Model	Sensor	For TD range	Measuring error
266MDT	F to R	From 1:1 to 10:1	± 0.04 %
with DF	F to R	From 10:1 to 60:1	±(0.04 + 0.005 x TD – 0.05) %
Mnemonic P3, F3, E3, S3, F2	C	From 1:1 to 10:1	± 0.065 %
266MDT	F to R	From 1:1 to 10:1	± 0.065 %
with DF	F to R	From 10:1 to 60:1	± (0.0065 x TD) %
Mnemonic different from above	C	From 1:1 to 10:1	± 0.12 %

DF = Diaphragm seal

Model	Sensor	For TD range	Measuring error
266GDT	F to V	From 1:1 to 10:1	± 0.04 %
with DF	F to V	From 10:1 to 60:1	±(0.04 + 0.005 x TD – 0.05) %
Mnemonic P3, F3, E3, S3, F2	C	From 1:1 to 10:1	± 0.065 %
266GDT	L to V	From 1:1 to 5:1	± 0.04 %
with DF	L to V	From 5:1 to 30:1	± (0.008 x TD) %
Mnemonic M1, M1.5A			
266GDT	L to R	From 1:1 to 5:1	± 0.04 %
with DF	L to R	From 5:1 to 30:1	± (0.008 x TD) %
Mnemonic M1.5, M1.5B			
266GDT	F to V	From 1:1 to 10:1	± 0.065 %
with DF	F to V	From 10:1 to 60:1	± (0.0065 x TD) %
Mnemonic different from above	C	From 1:1 to 10:1	± 0.12 %

Model	Sensor	For TD range	Measuring error
266ADT	F to R	From 1:1 to 10:1	± 0.04 %
with DF	F to R	From 10:1 to 20:1	±(0.04 + 0.005 x TD – 0.05) %
Mnemonic P3, F3, E3, S3, F2	C	From 1:1 to 5:1	± 0.065 %
266ADT	L to R	From 1:1 to 5:1	± 0.065 %
with DF	L to R	From 5:1 to 10:1	± (0.013 x TD) %
Mnemonic M1, M1.5 M1.5A M1.5B			
266ADT	F to R	From 1:1 to 10:1	± 0.065 %
with DF	F to R	From 10:1 to 20:1	± (0.0065 x TD) %
Mnemonic different from above	C	From 1:1 to 5:1	± 0.12 %

### Ambient temperature

Transmitter effect per 20 K change within the limits of -40 to 85 °C

(Transmitter effect per 36 °F change within the limits of -40 to 185 °F):

Model	Sensor	For TD range	
266MDT	C to R	10:1	± (0.03 % URL + 0.045 % span)
266GDT	C and F	10:1	± (0.06 % URL + 0.09 % span)
266GDT	L to R	10:1	± (0.03 % URL + 0.045 % span)
266ADT	C and F	10:1	± (0.06 % URL + 0.09 % span)
266ADT	L to R	10:1	± (0.03 % URL + 0.045 % span)

SEE DATA SHEET DS/S26 FOR ADDITIONAL TEMPERATURE EFFECTS ON DIRECT MOUNT DIAPHRAGM SEALS AND DIAPHRAGM SEALS WITH CAPILLARY TUBES (if this option is selected for the low pressure side (L)):

The total temperature effect can be defined as the combined influence of the factors referred to above on the transmitter plus the influence of the diaphragm seal, dependent upon the operating temperature.

In the case of diaphragm seals S26K (paper industry) and S26J (inline diaphragm seals), which can only be obtained as direct-mount versions, the temperature effect in relation to a 20 K (36°F) change can be taken from the tables below. The following distinction is made here:

- Diaphragm seal effect (one element), as process temperature error
- System effect on transmitter (transmitter used in combination with a diaphragm seal of a specific size or type) in relation to silicone oil filling (DC 200) and diaphragm material made from stainless steel AISI 316L.

S26K (paper industry) Size - Mnemonic symbol	Sensor URL	Diaphragm seal effect (process temperature)	System effect (ambient temperature)
1 in. – Y1	≥160 kPa 642 inH <sub>2</sub> O	1.2 kPa 4.8 inH <sub>2</sub> O	0.64 kPa 2.56 inH <sub>2</sub> O
1 in. – M1	≥160 kPa 642 inH <sub>2</sub> O	0.6 kPa 2.4 inH <sub>2</sub> O	0.64 kPa 2.56 inH <sub>2</sub> O
1 ½ in. – M1.5	≥65 kPa 260 inH <sub>2</sub> O	0.2 kPa 0.8 inH <sub>2</sub> O	0.48 kPa 1.92 inH <sub>2</sub> O
1 ½ in. – M1.5A	≥65 kPa 260 inH <sub>2</sub> O	0.2 kPa 0.8 inH <sub>2</sub> O	0.48 kPa 1.92 inH <sub>2</sub> O
1 ½ in. – M1.5B	≥65 kPa 260 inH <sub>2</sub> O	0.2 kPa 0.8 inH <sub>2</sub> O	0.48 kPa 1.92 inH <sub>2</sub> O

S26J (inline diaphragm seal) Size - Mnemonic symbol	Sensor URL	Diaphragm seal effect (process temperature)	System effect (ambient temperature)
1 in. – j1	≥600 kPa 87 psi	2.2 kPa 8.8 inH <sub>2</sub> O	0.94 kPa 3.76 inH <sub>2</sub> O
1 ½ in. – J1.5	≥600 kPa 87 psi	1.4 kPa 5.6 inH <sub>2</sub> O	0.36 kPa 1.44 inH <sub>2</sub> O
2 in. – J2	≥600 kPa 87 psi	4.6 kPa 18.4 inH <sub>2</sub> O	0.94 kPa 3.76 inH <sub>2</sub> O
4 in. – J3	≥600 kPa 87 psi	3.0 kPa 12 inH <sub>2</sub> O	0.42 kPa 1.68 inH <sub>2</sub> O

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

### Static pressure

Model 266MDT with direct mount diaphragm seal or with direct mount plus diaphragm seal with capillary tube; up to 10 MPa, 100 bar, or 1,450 psi  
(zero signal errors may be calibrated out at operating pressure).

Measuring range	Sensors C, F, L, N	Sensor R
Zero signal error	±0.1 % URL	±0.1 % URL
Span error	±0.05 % span	±0.1 % span

### Power supply

Within the specified limits for the voltage / load, the total influence is less than 0.005 % of the upper measuring range limit per volt.

### Load

Within the specified load / voltage limits, the total influence is negligible.

### Electromagnetic field

Meets all requirements of EN 61326 and NAMUR NE-21.

### Common-mode interference

No influence from 100 V rms @ 50 Hz, or 50 V DC



## Technical specification

(Please refer to the order information to check the availability of different versions of the relevant model)

### Materials

#### Model 266MDT only

#### Process separation diaphragms on low pressure side<sup>1</sup>

Stainless steel AISI 316 L (1.4435); Hastelloy C-276;

Monel 400;

Monel 400, gold-plated; tantalum

A diaphragm seal with the required diaphragm material can be selected in this case too (as with the high pressure side).

#### Process flanges, adapters, screw plugs, and vent / drain valves on the low pressure side<sup>1</sup>

Stainless steel AISI 316 L (1.4404 / 1.4408);

Hastelloy C-276; Monel 400

#### Screws and nuts

Screws and nuts made from stainless steel AISI 316, class A4-70 as per UNI 7323 (ISO 3506) in compliance with NACE MR0175 Class II.

#### Gaskets<sup>1</sup>

Viton (FPM); Buna (NBR); EPDM; PTFE; graphite

#### Model 266MDT, 266GDT, 266ADT

#### Seal diaphragm material (high pressure side) (direct mount diaphragm seal)<sup>1</sup>

Stainless steel AISI 316 L; Hastelloy C-276;

Hastelloy C-2000; Inconel 625; tantalum;

stainless steel AISI 316 L or Hastelloy C-276 with non-stick coating;

stainless steel AISI 316 L with anti-corrosion coating

Stainless steel AISI 316 L, gold-plated

super duplex stainless steel (UNS S32750 in acc. with ASTM SA479);

Diaflex (AISI with anti-abrasion treatment)

#### Diaphragm seal extension material<sup>1</sup>

Stainless steel AISI 316 L (also for Diaflex-coated and gold-plated diaphragm);

Hastelloy C-276; stainless steel AISI 316 L or Hastelloy C-276 with the same coating as the diaphragm

#### Filling fluid on high pressure side (direct mount diaphragm seal)

Silicone oil DC200; silicone oil DC704; fluorocarbon (Galden);

Fluorocarbon Halocarbon 4.2; silicone polymer Syltherm XLT;

low-viscosity silicone oil Baysilone M5; glycerin water;

vegetable oil Neobee M-20; mineral oil Esso Marcol 122

#### Sensor filling fluid

Silicone oil, fluorocarbon (Galden), white oil

#### Sensor housing

Stainless steel (AISI 316L)

#### Electronics housing and cover

Aluminum alloy (copper content  $\leq 0.3$  %) with baked epoxy finish (color: RAL 9002); stainless steel AISI 316L.

#### O-ring cover

Buna N (Perbunan)

#### Local zero position, measuring span, and write protection settings

Fiber glass-reinforced polyphenylene oxide (removable)

#### Plates

Stainless steel (AISI 316) for transmitter name plate, certification plate, optional measuring point tag plate / settings plate attached to electronics housing, and optional tag plate with customer data. All plates laser-labeled.

<sup>1</sup> Transmitter parts that come into contact with fluid

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

### Calibration

Standard:

- 0 to measuring range upper limit, for ambient temperature and atmospheric pressure

Optional:

- To specified measuring span

### Optional extras

#### LCD display

Can be rotated in 90° increments into 4 positions

#### Additional tag plates

Code I2: For measuring point tag (up to 30 characters) and calibration specifications (up to 30 characters: lower and upper value plus unit), attached to transmitter housing.

Code I1: For customer data (4 lines with 30 characters each), attached to transmitter housing with wire.

#### Surge protector

#### Certificates (test, design, characteristics, material traceability)

#### Name plate and operating instruction language

#### Communication plug connectors

### Process connections

On standard process flange: 1/4-18 NPT on the process axis

Via adapter: 1/2-14 NPT on the process axis

Fastening screw threads: 7/16–20 UNF with 41.3 mm center distance.

Diaphragm seal side: (for details, see drawing)

#### Flush diaphragm flanged seal<sup>2</sup>:

2 in. or 3 in. ASME 150 - 1500 RF;

4 in. ASME 150 - 300 RF;

1-1/2 in., 2 in., or 3 in. ASME 150 - 1500 RJ;

DN 50 or DN 80 DIN PN 16–40, PN 63–100;

DN 100 PN 16–40;

A50 or A80 Class 10K, 20K, 40K; A100 Class 10K, 20K.

#### Extended diaphragm flanged seal<sup>2</sup>:

2 in., 3 in., or 4 in. ASME 150 - 300 RF;

DN 50, DN 80, or DN 100 PN 16 – 40.

#### Off-line diaphragm seal; flange connection<sup>3</sup>

1/2 in., 1 in., or 1-1/2 in. flange hole, ASME CL150-300;

DN 25 or DN 40, EN PN 16-40.

#### Off-line diaphragm seal; threaded connection

1/4 in., 1/2 in., 3/4 in., 1 in., or 1-1/2 in. NPT thread.

#### Sealing surface finish

Smooth (ASME, EN, or JIS): 0.8µm (Ra)

Rough (ASME or JIS): 3.2 to 6.3µm (Ra)

Rough (EN 1092-1 Type B1; up to PN 40): 3.2 to 12.5µm (Ra)

Rough (EN 1092-1 Type B2; PN 63-100): 0.8 to 3.2µm (Ra)

#### Wafer diaphragm seal (only with capillary tube)

1-1/2 in., 2 in., or 3 in. acc. to ASME; DN 40;

DN 50 or DN 80 acc. to EN.

#### Paper and pulp industry diaphragm seal

1 in., attachment in welded spud, screw fixing, O-ring gasket

1 1/2 in., attachment in welded spud, fixing with two screws, O-ring gasket

1 1/2 in., attachment in welded spud with M44 x 1.25 thread, O-ring gasket

1 in. or 1 1/2 in. with NPT male thread connection

G 1 in. A or G 1 1/2 in. A, male thread connection

1 in. connection for ball valve (see data sheet

DS/266GST/AST)

2 Screws and nuts, the gasket, and the counter flange are provided by the customer.

3 Gasket for process provided by the customer.

### Electrical connections

Two 1/2-14 NPT or M20 x 1.5 threaded bores for cable glands, directly on housing.

Special communication connector (on request)

- HART: Straight or angled Harting Han 8D connector and one mating plug.
- FOUNDATION fieldbus, PROFIBUS PA: M12 x 1 or 7/8 in. plug

### Terminals

HART version: Three connections for signal / external display, for wire cross sections of up to 2.5 mm<sup>2</sup> (14 AWG), and connection points for testing and communication purposes

Fieldbus versions: Two signal connections (bus connection) for wire cross sections of up to 2.5 mm<sup>2</sup> (14 AWG)

### Grounding

Internal and external ground terminals are provided for 6 mm<sup>2</sup> (10 AWG) wire cross sections.

### Mounting position

The transmitters can be installed in any position.

The electronic housing can be rotated into any position. A stop is provided to prevent overturning.

### Weight

(without options)

Approx. 7 to 50 kg (15 to 110 lb) dependent upon specified diaphragm seal option; add 1.5 kg (3.4 lb) for stainless steel housing.

Add 650g (1.5 lb) for packaging.

### Packaging

Carton

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

### Configuration

#### Transmitter with HART communication and 4 ... 20 mA Standard configuration

Transmitters are calibrated at the factory to the customer's specified measuring range. The calibrated range and measuring point number are provided on the name plate. If this data has not been specified, the transmitter will be delivered with the plate left blank and the following configuration:

Physical unit	kPa
4 mA	Zero
20 mA	Measuring range upper limit (URL)
Output	Linear
Damping	1 s
Transmitter interference mode	High alarm
Software tag (max. 8 characters)	Blank
Optional LCD display	PV in kPa; output in mA and in percent as bargraph

Any or all of the configurable parameters listed above - including the lower and upper range values (with the same unit of measurement) - can easily be changed using a portable HART handheld communicator or a PC running the configuration software with the DTM for 266 models. Specifications concerning the flange type and materials, O-ring and vent / drain valve materials, and additional device options are stored in the transmitter database.

#### Customer-specific configuration (option N6)

The following information can be specified in addition to the standard configuration parameters:

Description	16 alphanumeric characters
Supplementary information	32 alphanumeric characters
Date	Day, month, year

For the HART protocol, the following physical units are available for pressure measurements:

Pa, kPa, MPa  
 inH<sub>2</sub>O @ 4 °C, mmH<sub>2</sub>O @ 4 °C, psi  
 inH<sub>2</sub>O @ 20 °C, ftH<sub>2</sub>O @ 20 °C, mmH<sub>2</sub>O @ 20 °C  
 inHg, mmHg, Torr  
 g/cm<sup>2</sup>, kg/cm<sup>2</sup>, atm  
 mbar, bar

These and others are available for PROFIBUS and FOUNDATION fieldbus.

#### Transmitter with PROFIBUS PA communication Standard configuration

Transmitters are calibrated at the factory to the customer's specified measuring range. The calibrated range and measuring point number are provided on the name plate. If this data has not been specified, the transmitter will be delivered with the plate left blank and the following configuration:

Measuring profile	Pressure
Physical unit	kPa
Output scale 0 %	Measuring range lower limit (LRL)
Output scale 100 %	Measuring range upper limit (URL)
Output	Linear
Upper alarm limit	Measuring range upper limit (URL)
Upper warning limit	Measuring range upper limit (URL)
Lower warning limit	Measuring range lower limit (LRL)
Lower alarm limit	Measuring range lower limit (LRL)
Hysteresis limit value	0.5 % of output scaling
PV filter time	0 s
Address (set using local control buttons)	126
Measuring point tag	30 alphanumeric characters
Optional LCD display	PV in kPa; output in percent as bargraph display

Any or all of the configurable parameters listed above - including the measuring range values (with the same unit of measurement) - can easily be changed using a PC running the configuration software with the DTM for 266 models. Specifications concerning the flange type and materials, O-ring and vent / drain valve materials, and additional device options are stored in the transmitter database.

#### Customer-specific configuration (option N6)

The following information can be specified in addition to the standard configuration parameters:

Description	32 alphanumeric characters
Supplementary information	32 alphanumeric characters
Date	Day, month, year

## Transmitter with FOUNDATION fieldbus communication

### Standard configuration

Transmitters are calibrated at the factory to the customer's specified measuring range. The calibrated range and measuring point number are provided on the name plate. If this data has not been specified, the transmitter will be delivered with the plate left blank and the analog input function block FB1 will be configured as follows:

Measuring profile	Pressure
Physical unit	kPa
Output scale 0 %	Measuring range lower limit (LRL)
Output scale 100 %	Measuring range upper limit (URL)
Output	Linear
Upper alarm limit	Measuring range upper limit (URL)
Upper warning limit	Measuring range upper limit (URL)
Lower warning limit	Measuring range lower limit (LRL)
Lower alarm limit	Measuring range lower limit (LRL)
Hysteresis limit value	0.5 % of output scaling
PV filter time	0 s
Measuring point tag	30 alphanumeric characters
Optional LCD display	PV in kPa; output in percent as bargraph display

The analog input function blocks FB2 and FB3 are each configured for the sensor temperature measured in °C and the static pressure measured in MPa. Any or all of the configurable parameters listed above - including the measuring range values - can easily be changed using a FOUNDATION fieldbus-compatible configuration tool. Specifications concerning the flange type and materials, O-ring and vent / drain valve materials, and additional device options are stored in the transmitter database.

### Customer-specific configuration (option N6)

The following information can be specified in addition to the standard configuration parameters:

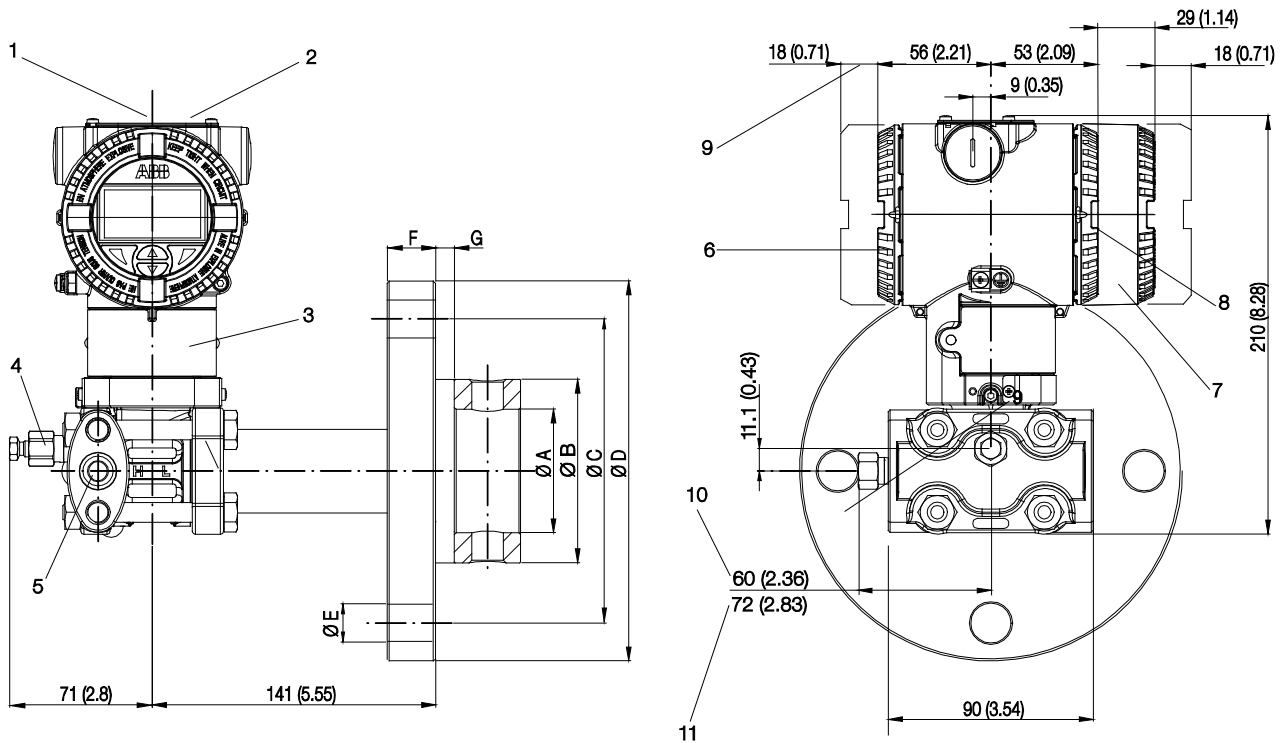
Description	32 alphanumeric characters
Supplementary information	32 alphanumeric characters
Date	Day, month, year

# Model 266MDT Differential Model 266GDT Gauge Model 266ADT Absolute

## Mounting dimensions

(not design data) - dimensions in mm (inch)

266MDT with barrel housing and direct mount diaphragm seal S26RA / S26RE / S26RJ, rotating flange, RF (raised face), flush diaphragm



M10036

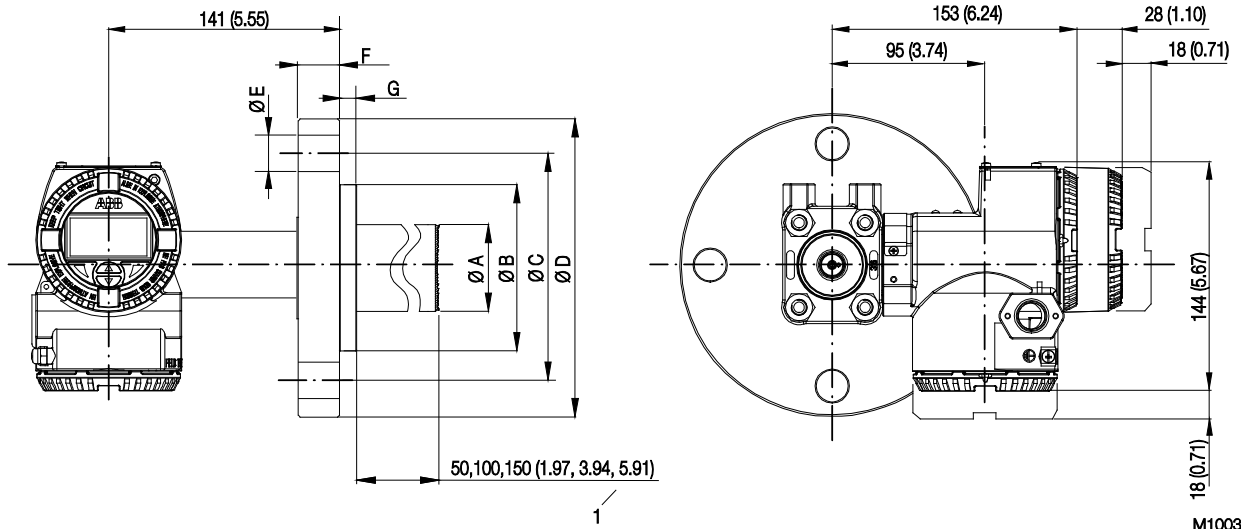
Fig. 2

1 Settings | 2 Name plate | 3 Certification plate | 4 Vent / drain valve | 5 Process connection | 6 Terminal side |  
7 LCD display housing cover | 8 Electronics side | 9 Space for removing the cover | 10 With sealing plug | 11 With vent / drain valve

### Important

In the case of model 266MDT, a standard process flange or an additional diaphragm seal with capillary tube can be mounted on the low pressure side (L), opposite the direct mount diaphragm seal. The standard process flange connection (1/4 - 18 NPT direct or 1/2 - 14 NPT via adapter), the gasket groove, and the gaskets comply with IEC 61518. The screw-on thread for attaching the adapter or other devices (e.g., manifold) to the process flange is 7/16 - 20 UNF in each case.

266MDT with DIN housing and direct mount diaphragm seal S26RA / S26RE, rotating flange, sealing surface RF (raised face) with extended diaphragm

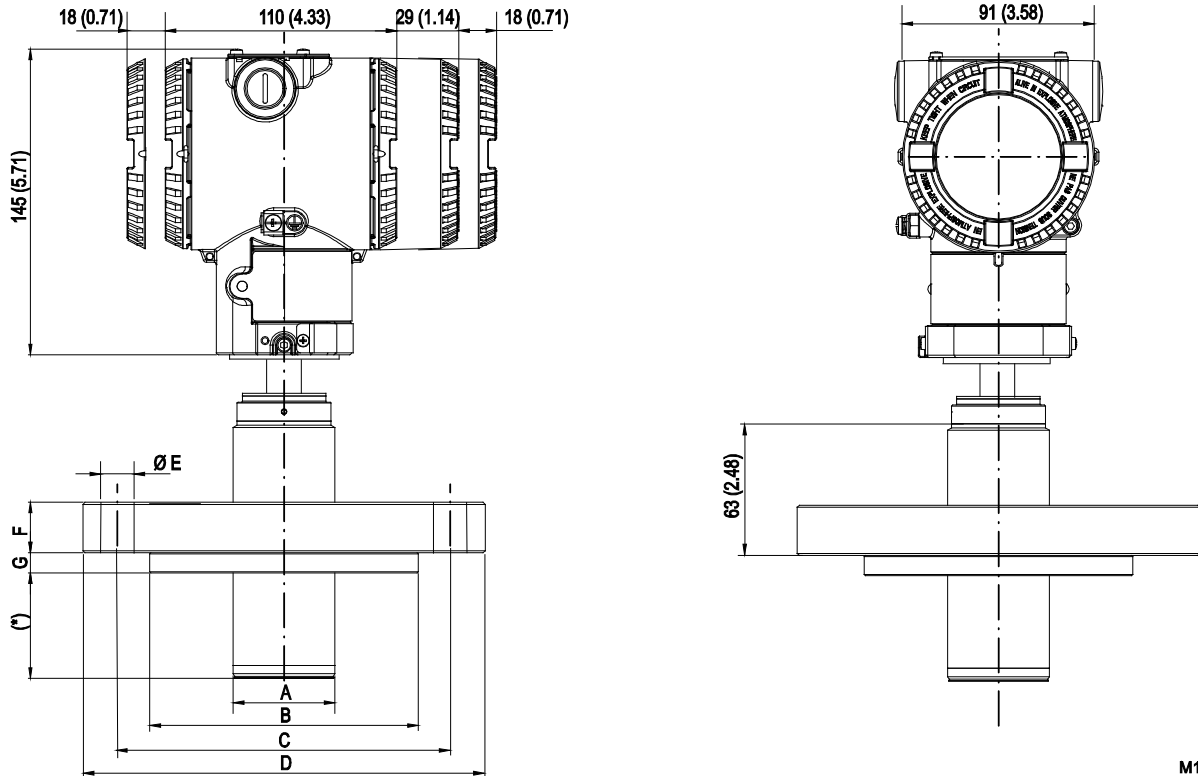


M10037

Fig. 3

1 Available extended diaphragm lengths

266GDT / 266ADT with barrel housing and direct mount diaphragm seal S26RA / S26RE, rotating flange, sealing surface RF (raised face) with extended diaphragm



M10038

Fig. 4

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

Size / Nominal pressure	Dimensions mm (inch) for S26RA											
	A Ø				Flushing ring inside diameter	B Ø	C Ø	D Ø	E Ø	F	G	Number of holes
	Ex- tended dia- phragm tube	Flush diaphragm		Std. thick- ness								
2 in. ASME CL 150	48 (1.9)	60 (2.36)	58 (2.28)		62 (2.44)	92 (3.62)	120.65 (4.75)	152.4 (6)	19.1 (0.79)	17.5 (0.6)	9.5 (0.37)	4
2 in. ASME CL 300	48 (1.9)	60 (2.36)	58 (2.28)	62 (2.44)	92 (3.62)	127 (5)	165.1 (6.5)	19.1 (0.79)	20.8 (0.8)	9.5 (0.37)	8	
2 in. ASME CL 600	NA	60 (2.36)	58 (2.28)	62 (2.44)	92 (3.62)	127 (5)	165.1 (6.5)	19.1 (0.79)	25.4 (1)	9.5 (0.37)	8	
2 in. ASME CL 900	NA	60 (2.36)	58 (2.28)	62 (2.44)	92 (3.62)	165 (6.5)	215.9 (8.5)	26 (1.02)	38.1 (1.5)	9.5 (0.37)	8	
2 in. ASME CL 1500	NA	60 (2.36)	58 (2.28)	62 (2.44)	92 (3.62)	165 (6.5)	215.9 (8.5)	26 (1.02)	38.1 (1.5)	9.5 (0.37)	8	
3 in. ASME CL 150	72 (2.83)	89 (3.5)	75 (2.95)	92 (3.62)	127 (5)	152.4 (6)	190.5 (7.5)	19.1 (0.79)	22.4 (0.88)	9.5 (0.37)	4	
3 in. ASME CL 300	72 (2.83)	89 (3.5)	75 (2.95)	92 (3.62)	127 (5)	168.15 (6.62)	209.6 (8.25)	22.4 (0.88)	26.9 (1.1)	9.5 (0.37)	8	
3 in. ASME CL 600	NA	89 (3.5)	75 (2.95)	92 (3.62)	127 (5)	168.15 (6.62)	209.6 (8.25)	22.4 (0.88)	31.8 (1.3)	9.5 (0.37)	8	
3 in. ASME CL 900	NA	89 (3.5)	75 (2.95)	92 (3.62)	127 (5)	190.5 (7.5)	241 (10.5)	26 (1.02)	38.1 (1.5)	9.5 (0.37)	8	
3 in. ASME CL 1500	NA	89 (3.5)	75 (2.95)	92 (3.62)	127 (5)	203.2 (8)	266.7 (10.5)	31.75 (1.25)	47.7 (1.88)	9.5 (0.37)	8	
4 in. ASME CL 150	94 (3.7)	89 (3.5)	75 (2.95)	92 (3.62)	157.2 (6.2)	190.5 (7.5)	228.6 (9)	19.1 (0.79)	22.4 (0.88)	9.5 (0.37)	8	
4 in. ASME CL 300	94 (3.7)	89 (3.5)	75 (2.95)	92 (3.62)	157.2 (6.2)	200.2 (7.88)	254 (10)	22 (0.86)	30.2 (1.19)	9.5 (0.37)	8	

Size / Nominal pressure	Dimensions mm (inch) for S26RE											
	A Ø				Flushing ring inside diameter	B Ø	C Ø	D Ø	E Ø	F	G	Number of holes
	Ex- tended dia- phragm tube	Flush diaphragm		Std. thick- ness								
DN 50 EN PN 16	48 (1.9)	60 (2.36)	58 (2.28)		62 (2.44)	102 (4.02)	125 (4.92)	165 (6.5)	18 (0.71)	15 (0.58)	9.5 (0.37)	4
DN 50 EN PN 40	48 (1.9)	60 (2.36)	58 (2.28)	62 (2.44)	102 (4.02)	125 (4.92)	165 (6.5)	18 (0.71)	18 (0.67)	9.5 (0.37)	4	
DN 50 EN PN 63	NA	60 (2.36)	58 (2.28)	62 (2.44)	102 (4.02)	135 (5.31)	180 (7.08)	22 (0.86)	23 (0.9)	9.5 (0.37)	4	
DN 50 EN PN 100	NA	60 (2.36)	58 (2.28)	62 (2.44)	102 (4.02)	145 (5.71)	195 (7.67)	26 (1.02)	27 (1.06)	9.5 (0.37)	4	
DN 80 EN PN 16	72 (2.83)	89 (3.5)	75 (2.95)	92 (3.62)	138 (5.43)	160 (6.3)	200 (7.87)	18 (0.71)	17 (0.67)	9.5 (0.37)	8	
DN 80 EN PN 40	72 (2.83)	89 (3.5)	75 (2.95)	92 (3.62)	138 (5.43)	160 (6.3)	200 (7.87)	18 (0.71)	21 (0.83)	9.5 (0.37)	8	
DN 80 EN PN 63	NA	89 (3.5)	75 (2.95)	92 (3.62)	138 (5.43)	170 (6.7)	215 (8.46)	22 (0.86)	25 (0.98)	9.5 (0.37)	8	
DN 80 EN PN 100	NA	89 (3.5)	75 (2.95)	92 (3.62)	138 (5.43)	180 (7.08)	230 (9.05)	26 (1.02)	33 (1.3)	9.5 (0.37)	8	
DN 100 EN PN 16	94 (3.7)	89 (3.5)	75 (2.95)	92 (3.62)	158 (6.22)	180 (7.08)	220 (8.66)	18 (0.71)	17 (0.67)	9.5 (0.37)	8	
DN 100 EN PN 40	94 (3.7)	89 (3.5)	75 (2.95)	92 (3.62)	162 (6.38)	180 (7.08)	235 (9.25)	22 (0.86)	21 (0.83)	9.5 (0.37)	8	

Size / Nominal pressure	Dimensions mm (inch) for S26RJ							
	A Ø Flush diaphragm	B Ø	C Ø	D Ø	E Ø	F	G	Number of holes
A50 Class 10K	60 (2.36)	96 (3.78)	120 (4.72)	155 (6.1)	15 (0.59)	16 (0.63)	9.5 (0.37)	4
A50 Class 20K	60 (2.36)	96 (3.78)	120 (4.72)	155 (6.1)	19 (0.75)	18 (0.71)	9.5 (0.37)	4
A50 Class 40K	60 (2.36)	104.3 (4.11)	130 (5.12)	165 (6.5)	19 (0.75)	26 (1.02)	9.5 (0.37)	8
A80 Class 10K	89 (3.5)	126 (4.96)	150 (5.91)	185 (7.28)	15 (0.59)	18 (0.71)	9.5 (0.37)	8
A80 Class 20K	89 (3.5)	132 (5.2)	160 (6.3)	200 (7.87)	23 (0.91)	22 (0.87)	9.5 (0.37)	8
A80 Class 40K	89 (3.5)	139.4 (5.49)	170 (6.69)	210 (8.27)	23 (0.91)	32 (1.26)	9.5 (0.37)	8
A100 Class 10K	89 (3.5)	151 (5.94)	175 (6.89)	210 (8.27)	19 (0.75)	18 (0.71)	9.5 (0.37)	8
A100 Class 20K	89 (3.5)	160 (6.3)	185 (7.28)	225 (8.86)	23 (0.91)	24 (0.94)	9.5 (0.37)	8



266MDT with barrel housing and direct mount diaphragm seal S26FA / S26FE, fixed flange, sealing surface RF (raised face) with flush diaphragm

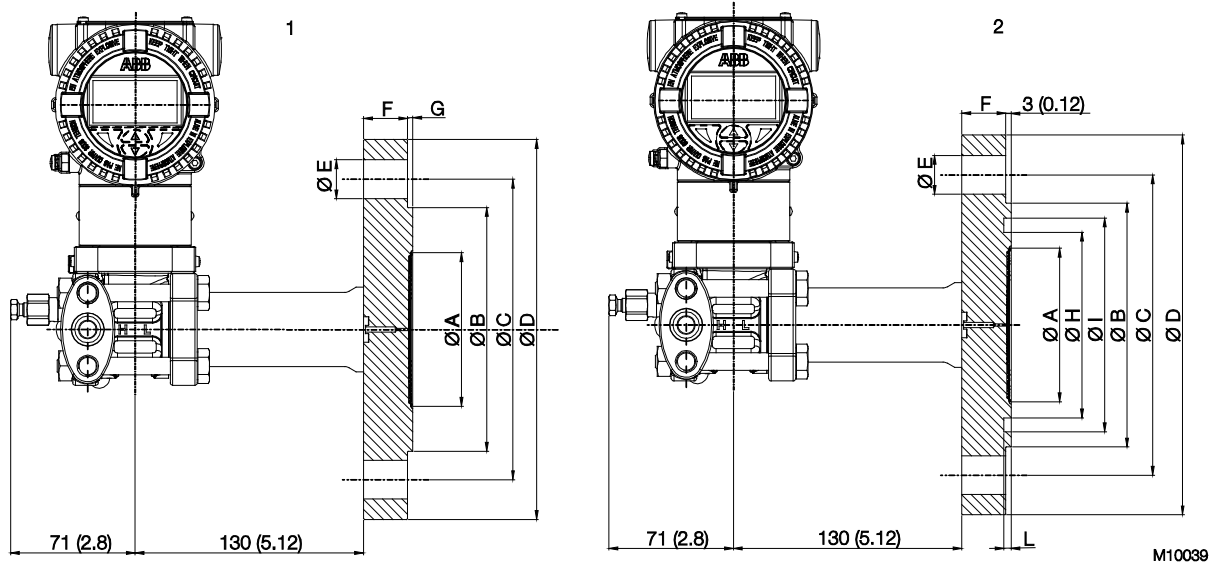


Fig. 5  
1 ASME and EN 1092/1 smooth sealing surface, Form B1, Form E | 2 EN 1092/1 Form D

266GDT / 266ADT with barrel housing and direct mount diaphragm seal S26FA / S26FE, fixed flange, sealing surface RF (raised face) with flush diaphragm

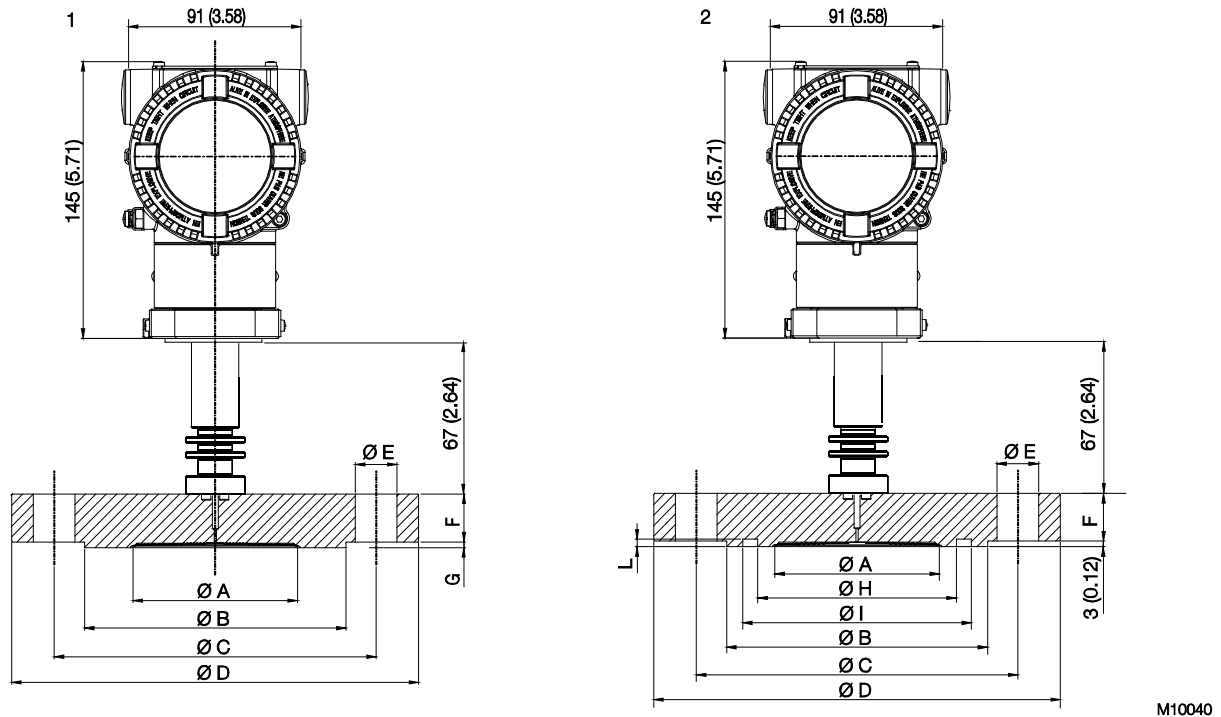


Fig. 6  
1 ASME and EN 1092/1 smooth sealing surface, Form B1, Form E | 2 EN 1092/1 Form D

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

Size / Nominal pressure	Dimensions mm (inch) for S26FA									
	A Ø			B Ø	C Ø	D Ø	E Ø	F	G	Number of holes
	Std. diaphragm thickness	Thin diaphragm thickness	Flushing ring inside diameter							
2 in. ASME CL 150	60 (2.36)	58 (2.28)	62 (2.44)	92 (3.62)	120.65 (4.75)	152.4 (6)	19.1 (0.79)	17.5 (0.6)	2 (0.08)	4
2 in. ASME CL 300	60 (2.36)	58 (2.28)	62 (2.44)	92 (3.62)	127 (5)	165.1 (6.5)	19.1 (0.79)	20.8 (0.8)	2 (0.08)	8
2 in. ASME CL 600	60 (2.36)	58 (2.28)	62 (2.44)	92 (3.62)	127 (5)	165.1 (6.5)	19.1 (0.79)	25.4 (1)	7 (0.27)	8
3 in. ASME CL 150	89 (3.5)	75 (2.95)	92 (3.62)	127 (5)	152.4 (6)	190.5 (7.5)	19.1 (0.79)	22.4 (0.88)	2 (0.08)	4
3 in. ASME CL 300	89 (3.5)	75 (2.95)	92 (3.62)	127 (5)	168.15 (6.62)	209.6 (8.25)	22.4 (0.88)	26.9 (1.1)	2 (0.08)	8
3 in. ASME CL 600	89 (3.5)	75 (2.95)	92 (3.62)	127 (5)	168.15 (6.62)	209.6 (8.25)	22.4 (0.88)	31.8 (1.3)	7 (0.27)	8
4 in. ASME CL 150	89 (3.5)	75 (2.95)	92 (3.62)	157.2 (6.2)	190.5 (7.5)	228.6 (9)	19.1 (0.79)	22.4 (0.88)	2 (0.08)	8

Size / Nominal pressure	Dimensions mm (inch) for S26FE smooth and Form B1									
	Diaphragm A Ø			B Ø	C Ø	D Ø	E Ø	F	G	Number of holes
	Std. diaphragm thickness	Thin diaphragm thickness	Flushing ring inside diameter							
DN 50 EN PN 16	60 (2.36)	58 (2.28)	62 (2.44)	102 (4.02)	125 (4.92)	165 (6.5)	18 (0.71)	15 (0.58)	3 (0.12)	4
DN 50 EN PN 40	60 (2.36)	58 (2.28)	62 (2.44)	102 (4.02)	125 (4.92)	165 (6.5)	18 (0.71)	18 (0.67)	3 (0.12)	4
DN 50 EN PN 63	60 (2.36)	58 (2.28)	62 (2.44)	102 (4.02)	135 (5.31)	180 (7.08)	22 (0.86)	23 (0.9)	3 (0.12)	4
DN 50 EN PN 100	60 (2.36)	58 (2.28)	62 (2.44)	102 (4.02)	145 (5.71)	195 (7.67)	26 (1.02)	27 (1.06)	3 (0.12)	4
DN 80 EN PN 16	89 (3.5)	75 (2.95)	92 (3.62)	138 (5.43)	160 (6.3)	200 (7.87)	18 (0.71)	17 (0.67)	3 (0.12)	8
DN 80 EN PN 40	89 (3.5)	75 (2.95)	92 (3.62)	138 (5.43)	160 (6.3)	200 (7.87)	18 (0.71)	21 (0.83)	3 (0.12)	8
DN 80 EN PN 63	89 (3.5)	75 (2.95)	92 (3.62)	138 (5.43)	170 (6.7)	215 (8.46)	22 (0.86)	25 (0.98)	3 (0.12)	8
DN 80 EN PN 100	89 (3.5)	75 (2.95)	92 (3.62)	138 (5.43)	180 (7.08)	230 (9.05)	26 (1.02)	33 (1.3)	3 (0.12)	8
DN 100 EN PN 16	89 (3.5)	75 (2.95)	92 (3.62)	158 (6.22)	180 (7.08)	220 (8.66)	18 (0.71)	17 (0.67)	3 (0.12)	8

Size / Nominal pressure	Dimensions mm (inch) for S26FE Form E									
	Diaphragm A Ø		B Ø	C Ø	D Ø	E Ø	F	G	Number of holes	
	Std. diaphragm thickness	Thin diaphragm thickness								
DN 50 EN PN 16	60 (2.36)	58 (2.28)	87 (3.42)	125 (4.92)	165 (6.5)	18 (0.71)	13.5 (0.53)	4.5 (0.18)	4	
DN 50 EN PN 40	60 (2.36)	58 (2.28)	87 (3.42)	125 (4.92)	165 (6.5)	18 (0.71)	15.5 (0.61)	4.5 (0.18)	4	
DN 50 EN PN 63	60 (2.36)	58 (2.28)	87 (3.42)	135 (5.31)	180 (7.08)	22 (0.86)	21.5 (0.85)	4.5 (0.18)	4	
DN 50 EN PN 100	60 (2.36)	58 (2.28)	87 (3.42)	145 (5.71)	195 (7.67)	26 (1.02)	25.5 (1)	4.5 (0.18)	4	
DN 80 EN PN 16	89 (3.5)	75 (2.95)	120 (4.72)	160 (6.3)	200 (7.87)	18 (0.71)	15.5 (0.61)	4.5 (0.18)	8	
DN 80 EN PN 40	89 (3.5)	75 (2.95)	120 (4.72)	160 (6.3)	200 (7.87)	18 (0.71)	19.5 (0.77)	4.5 (0.18)	8	
DN 80 EN PN 63	89 (3.5)	75 (2.95)	120 (4.72)	170 (6.7)	215 (8.46)	22 (0.86)	23.5 (0.92)	4.5 (0.18)	8	
DN 80 EN PN 100	89 (3.5)	75 (2.95)	120 (4.72)	180 (7.08)	230 (9.05)	26 (1.02)	31.5 (1.24)	4.5 (0.18)	8	
DN 100 EN PN 16	89 (3.5)	75 (2.95)	149 (5.87)	180 (7.08)	220 (8.66)	18 (0.71)	15 (0.59)	5 (0.20)	8	

Size / Nominal pressure	Dimensions mm (inch) for S26FE Form D										
	Diaphragm A Ø		B Ø	C Ø	D Ø	E Ø	F	H Ø	I Ø	L	Number of holes
	Std. diaphragm thickness	Thin diaphragm thickness									
DN 50 EN PN 16	60 (2.36)	58 (2.28)	102 (4.02)	125 (4.92)	165 (6.5)	18 (0.71)	15 (0.59)	72 (2.83)	88 (3.46)	4 (0.16)	4
DN 50 EN PN 40	60 (2.36)	58 (2.28)	102 (4.02)	125 (4.92)	165 (6.5)	18 (0.71)	18 (0.71)	72 (2.83)	88 (3.46)	4 (0.16)	4
DN 50 EN PN 63	60 (2.36)	58 (2.28)	102 (4.02)	135 (5.31)	180 (7.08)	22 (0.86)	23 (0.91)	72 (2.83)	88 (3.46)	4 (0.16)	4
DN 50 EN PN 100	60 (2.36)	58 (2.28)	102 (4.02)	145 (5.71)	195 (7.67)	26 (1.02)	27 (1.06)	72 (2.83)	88 (3.46)	4 (0.16)	4
DN 80 EN PN 16	89 (3.5)	75 (2.95)	138 (5.43)	160 (6.3)	200 (7.87)	18 (0.71)	17 (0.67)	105 (4.13)	121 (4.76)	4 (0.16)	8
DN 80 EN PN 40	89 (3.5)	75 (2.95)	138 (5.43)	160 (6.3)	200 (7.87)	18 (0.71)	21 (0.83)	105 (4.13)	121 (4.76)	4 (0.16)	8
DN 80 EN PN 63	89 (3.5)	75 (2.95)	138 (5.43)	170 (6.7)	215 (8.46)	22 (0.86)	25 (0.92)	105 (4.13)	121 (4.76)	4 (0.16)	8
DN 80 EN PN 100	89 (3.5)	75 (2.95)	138 (5.43)	180 (7.08)	230 (9.05)	26 (1.02)	33 (1.3)	105 (4.13)	121 (4.76)	4 (0.16)	8
DN 100 EN PN 16	89 (3.5)	75 (2.95)	158 (6.22)	180 (7.08)	220 (8.66)	18 (0.71)	17 (0.67)	128 (5.04)	149 (5.91)	4.5 (0.18)	8

# Model 266MDT Differential Model 266GDT Gauge Model 266ADT Absolute

266MDT with barrel housing and direct mount diaphragm seal S26RR rotating flange, ring joint, flush diaphragm

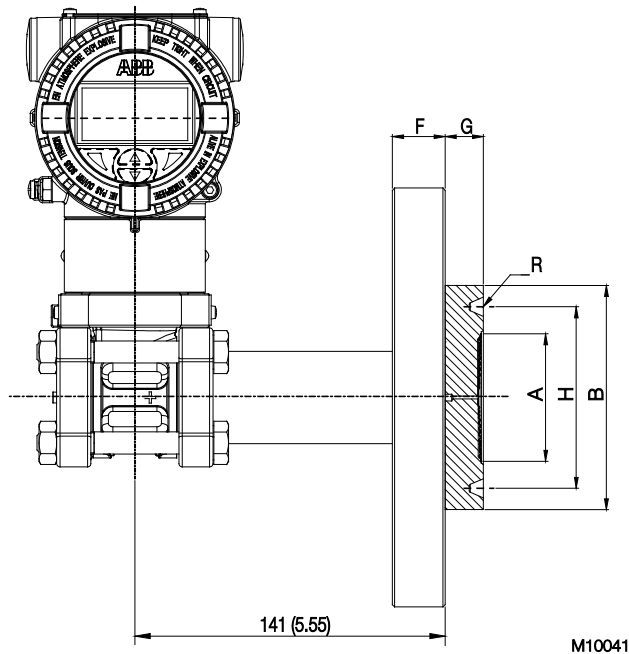


Fig. 7

266GDT / 266ADT with barrel housing and direct mount diaphragm seal S26RR rotating flange, ring joint, flush diaphragm

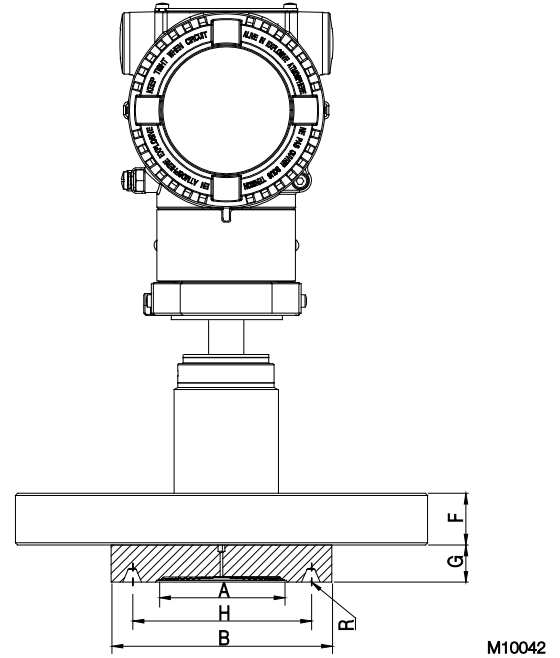


Fig. 8

Size / Nominal pressure	Dimensions mm (inch) for S26RR									Number of holes
	A Ø	B Ø	C Ø	D Ø	E Ø	F	G	H Ø	R	
1-1/2 in, ASME CL 150	48 (1.89)	83 (3.27)	98.6 (3.88)	127 (5)	15.75 (0.62)	17.5 (0.69)	17.3 (0.68)	65.1 (2.56)	R19	4
1-1/2 in, ASME CL 300	48 (1.89)	90 (3.54)	114.3 (4.5)	155.5 (6.12)	22.35 (0.88)	20.6 (0.81)	17.3 (0.68)	68.3 (2.69)	R20	4
1-1/2 in, ASME CL 600	48 (1.89)	90 (3.54)	114.3 (4.5)	155.5 (6.12)	22.35 (0.88)	22.4 (0.88)	17.3 (0.68)	68.3 (2.69)	R20	4
1-1/2 in, ASME CL 900/1500	48 (1.89)	92 (3.62)	124 (4.88)	177.8 (7)	28.45 (1.12)	31.8 (1.25)	20.8 (0.82)	68.3 (2.69)	R20	4
2 in, ASME CL 150	60 (2.36)	102 (4.02)	120.65 (4.75)	152.4 (6)	19.05 (0.75)	19.05 (0.75)	17.3 (0.68)	82.6 (3.25)	R22	4
2 in, ASME CL 300	60 (2.36)	108 (4.25)	127 (5)	165.1 (6.5)	19.05 (0.75)	22.35 (0.88)	17.3 (0.68)	82.6 (3.25)	R23	8
2 in, ASME CL 600	60 (2.36)	108 (4.25)	127 (5)	165.1 (6.5)	19.05 (0.75)	25.4 (1)	17.3 (0.68)	82.6 (3.25)	R23	8
2 in, ASME CL 900/1500	60 (2.36)	124 (4.88)	165 (6.5)	215.9 (8.5)	25.4 (1)	38.1 (1.5)	20.8 (0.82)	95.3 (3.75)	R24	8
3 in, ASME CL 150	89 (3.5)	133 (5.24)	152.4 (6)	190.5 (7.5)	19.05 (0.75)	23.87 (0.94)	17.3 (0.68)	114.3 (4.5)	R29	4
3 in, ASME CL 300	89 (3.5)	146 (5.75)	168.15 (6.62)	209.55 (8.25)	22.35 (0.88)	28.44 (1.12)	17.3 (0.68)	123.8 (4.87)	R31	8
3 in, ASME CL 600	89 (3.5)	146 (5.75)	168.15 (6.62)	209.55 (8.25)	22.35 (0.88)	31.75 (1.25)	17.3 (0.68)	123.8 (4.87)	R31	8
3 in, ASME CL 900	89 (3.5)	155 (6.10)	190.5 (7.5)	241.3 (9.5)	25.4 (1)	38.1 (1.50)	20.8 (0.82)	123.8 (4.87)	R31	8
3 in, ASME CL 1500	89 (3.5)	168 (6.61)	203.2 (8)	266.7 (10.5)	31.75 (1.25)	47.8 (1.88)	20.8 (0.82)	136.5 (5.37)	R35	8

266MDT with barrel housing and direct mount diaphragm seal S26MA / S26ME  
flange connection, internal diaphragm

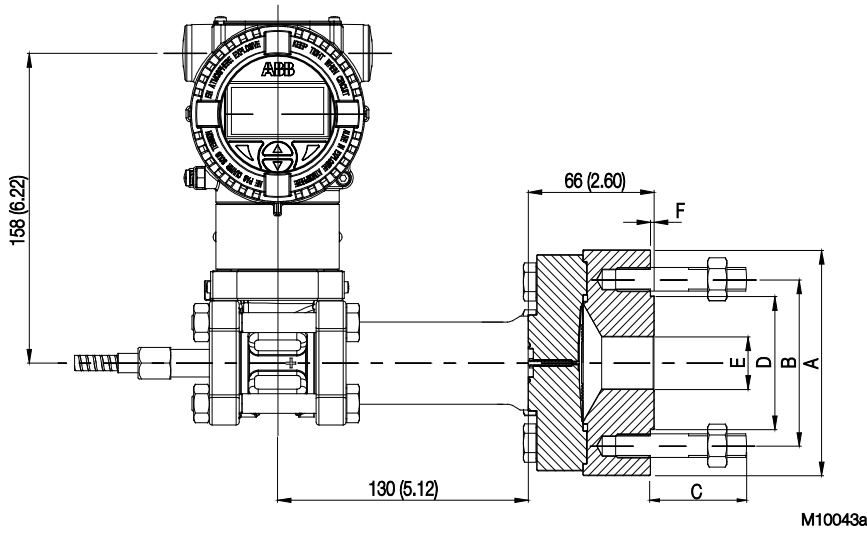


Fig. 9

266GDT / 266ADT with barrel housing  
and direct mount diaphragm seal S26MA / S26ME  
flange connection, internal diaphragm

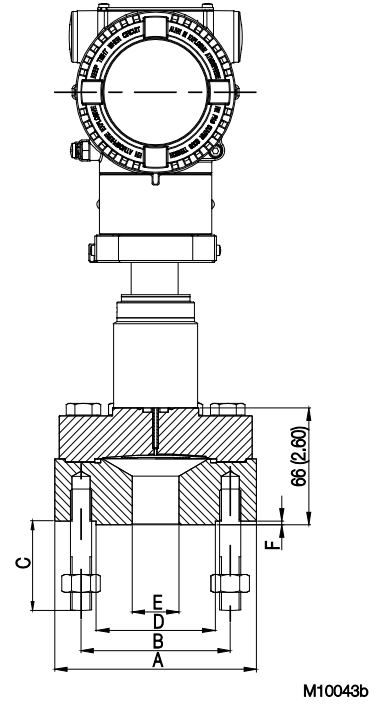


Fig. 10

Size / Nominal pressure	Dimensions mm (inch) for S26MA and S26ME						
	A Ø	B Ø	C (4 bolts)		D Ø	E Ø	F
			Length	Thread			
1/2 in. ASME CL 150	110 (4.33)	60.5 (2.38)	39 (1.53)	1/2in - 13 UNC	35.1 (1.38)	15.8 (0.62)	1.6 (0.06)
1/2 in. ASME CL 300	110 (4.33)	66.5 (2.62)	39 (1.53)	1/2in - 13 UNC	35.1 (1.38)	15.8 (0.62)	1.6 (0.06)
1 in. ASME CL 150	110 (4.33)	79.4 (3.12)	39 (1.53)	1/2in - 13 UNC	50.8 (2)	26.7 (1.05)	1.6 (0.06)
1 in. ASME CL 300	124 (4.88)	88.9 (3.5)	51 (2)	5/8in - 11 UNC	50.8 (2)	26.7 (1.05)	1.6 (0.06)
1 1/2 in. ASME CL 150	127 (5)	98.4 (3.87)	39 (1.53)	1/2in - 13 UNC	73 (2.87)	41 (1.61)	1.6 (0.06)
1 1/2 in. ASME CL 300	155 (6.1)	114.3 (4.5)	57 (2.24)	3/4in - 10 UNC	73 (2.87)	41 (1.61)	1.6 (0.06)
DN 25 PN 16-40	115 (4.52)	85 (3.34)	42 (1.65)	M12	68 (2.67)	28.5 (1.12)	2 (0.08)
DN 40 PN 16-40	150 (5.9)	110 (4.33)	48 (1.89)	M16	88 (3.46)	43.1 (1.69)	3 (0.12)

Model 266MDT Differential  
 Model 266GDT Gauge  
 Model 266ADT Absolute

266MDT with barrel housing and direct mount diaphragm seal S26TT threaded connection, internal diaphragm

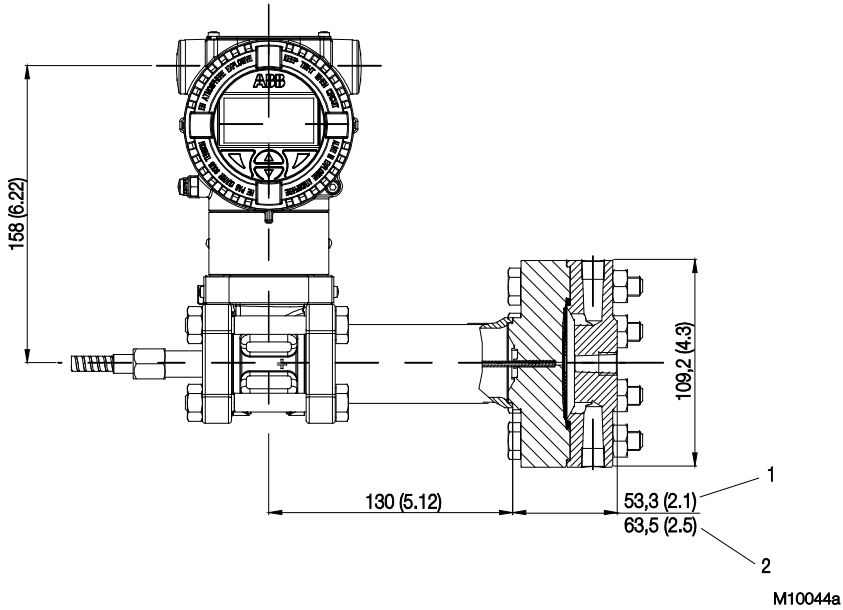


Fig. 11  
 1 For 1/4 in. and 1/2 in. | 2 For 3/4 in., 1 in., and 1 1/2 in.

266GDT / 266ADT with barrel housing and direct mount diaphragm seal S26TT threaded connection, internal diaphragm

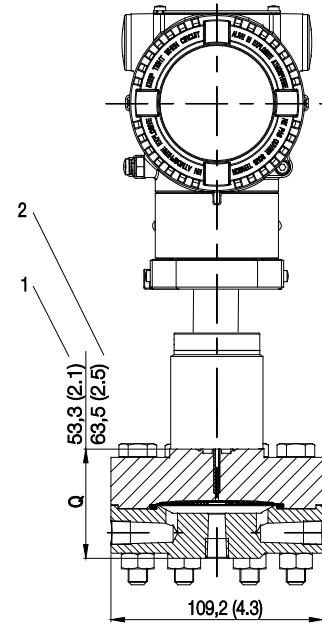


Fig. 12  
 1 For 1/4 in. and 1/2 in. |  
 2 For 3/4 in., 1 in., and 1 1/2 in.

266GDT / 266ADT with barrel housing and direct mount in-line seal S26JN

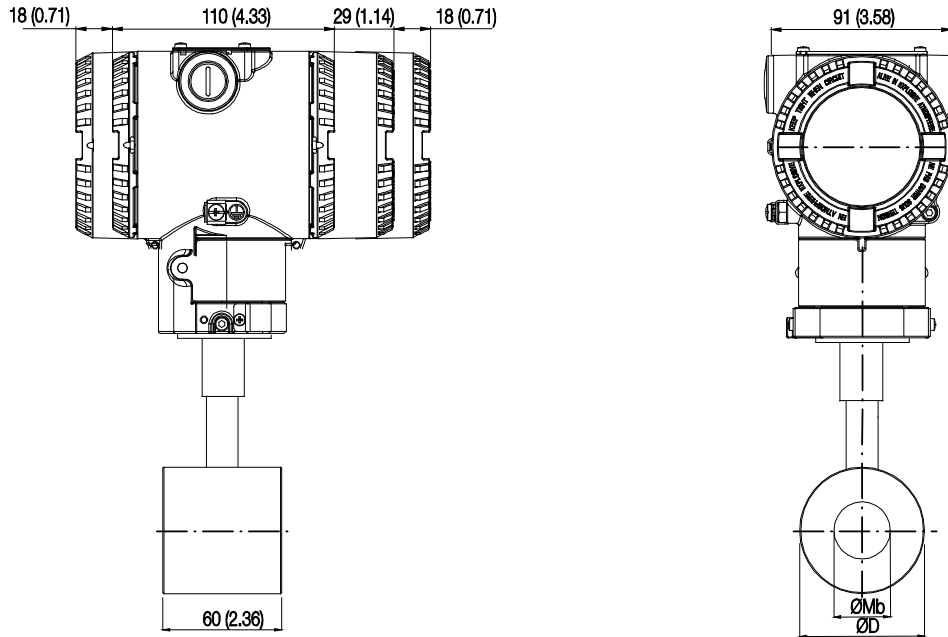


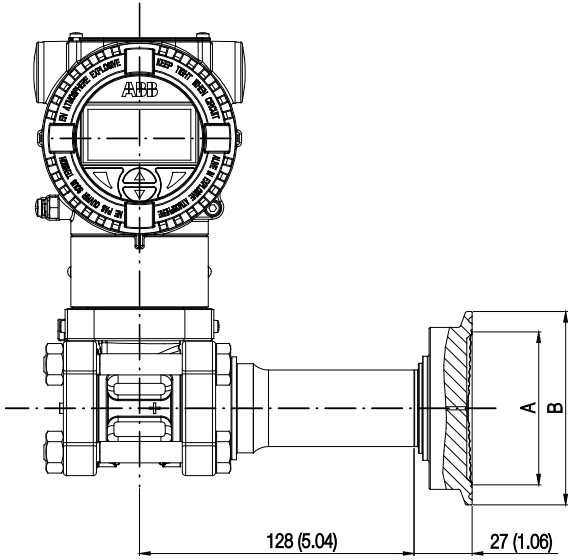
Fig. 13

M10045

Dimensions mm (inch) for S26JN		
Size / Nominal pressure	D Ø	Mb Ø
1 in. / DN 25	63 (2.48)	28.5 (1.12)
1 1/2 in. / DN 40	85 (3.35)	43 (1.69)
2 in. / DN 50	95 (3.74)	54.5 (2.15)
3 in. / DN 80	130 (5.12)	82.5 (3.25)

Model 266MDT Differential  
 Model 266GDT Gauge  
 Model 266ADT Absolute

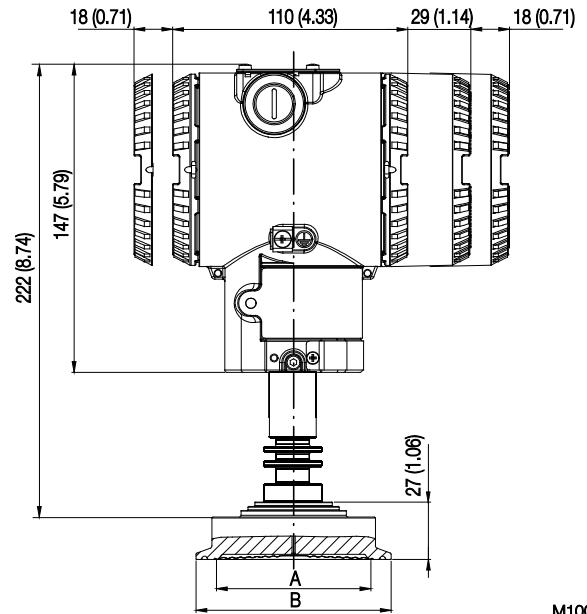
266MDT with barrel housing and direct mount diaphragm seal S26SS Triclamp



M10046

Fig. 14

266GDT / 266ADT with barrel housing and direct mount diaphragm seal S26SS Triclamp



M10059

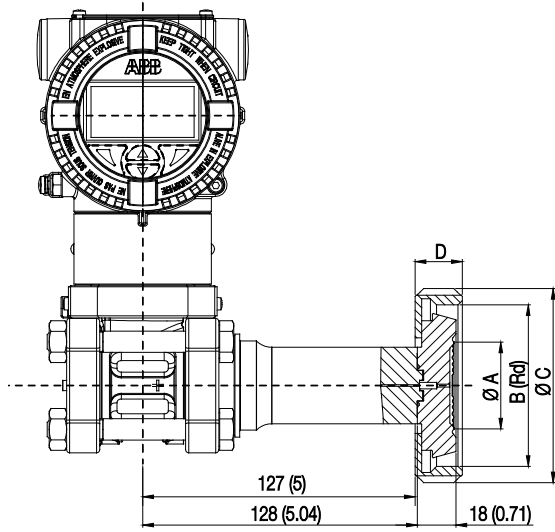
Fig. 15

Dimensions mm (inch) for S26SS Triclamp

Size	D Ø	B Ø
2 in.	56.3 (2.2)	64 (2.5)
3 in.	83 (3.26)	91 (3.58)
4 in.	110.3 (4.34)	119 (4.68)



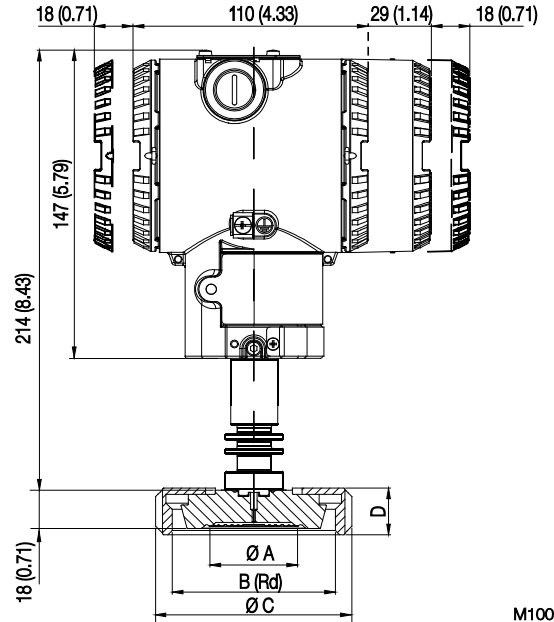
266MDT with barrel housing and direct mount diaphragm seal S26SS with union nut



M10047

Fig. 16

266GDT / 266ADT with barrel housing and direct mount diaphragm seal S26SS with union nut



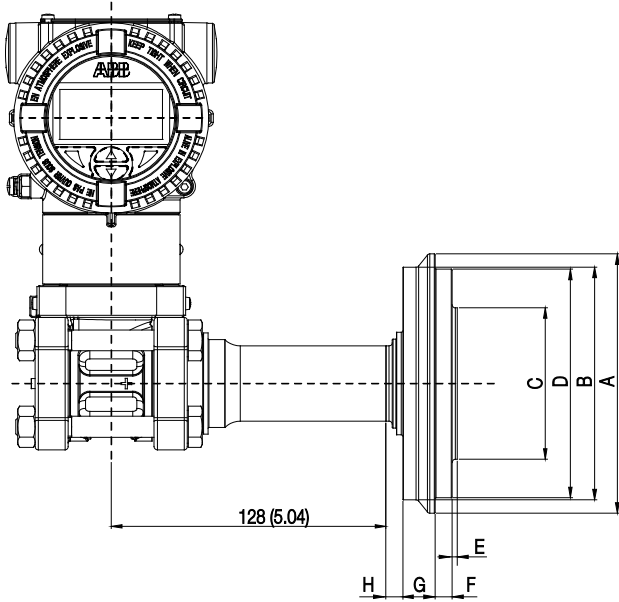
M10060

Fig. 17

Dimensions mm (inch) for S26SS union nut				
Size	A Ø	B (radius)	C Ø	D
F50	42 (1.65)	78 (3.07)	92 (3.62)	22 (0.87)
F80	72 (2.83)	110 (4.33)	127 (5)	29 (1.14)

Model 266MDT Differential  
 Model 266GDT Gauge  
 Model 266ADT Absolute

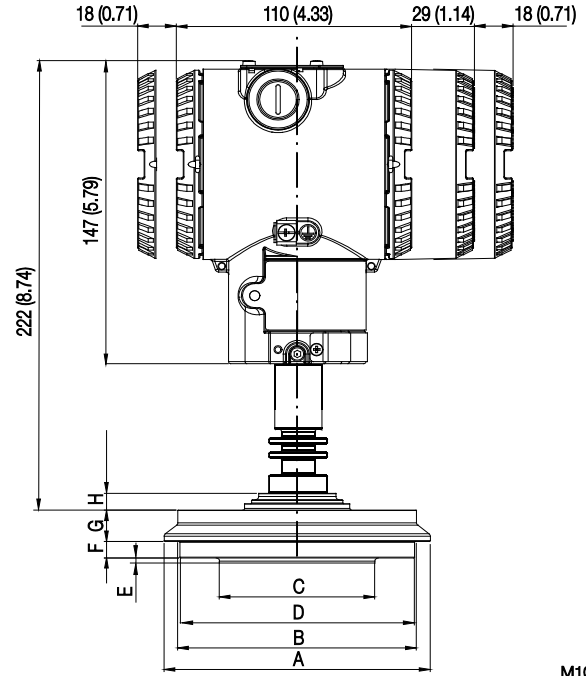
266MDT with barrel housing and direct mount diaphragm seal S26SS Cherry Burrel



M10048

Fig. 18

266GDT / 266ADT with barrel housing and direct mount diaphragm seal S26SS Cherry Burrel

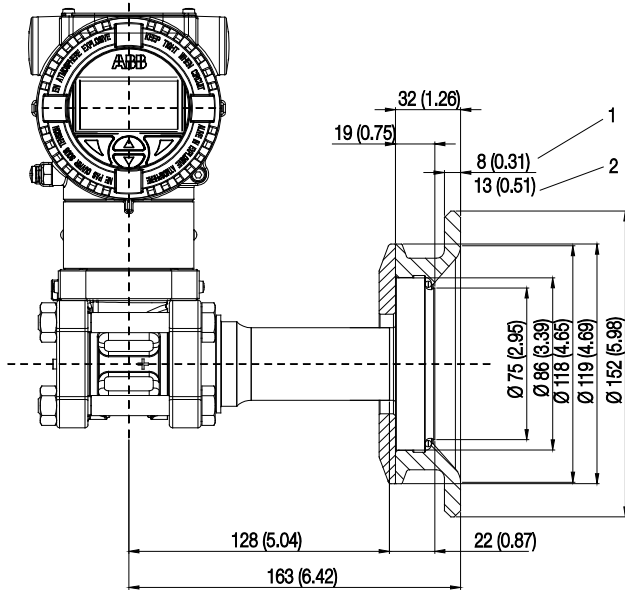


M10061

Fig. 19

Size	Dimensions mm (inch) for S26SS Cherry Burrel							
	A Ø	B Ø	C Ø	D Ø	E	F	G	H
2 in.	67 (2.64)	56 (2.2)	42 (1.65)	57 (2.24)	3.2 (0.13)	6.5 (0.26)	12.5 (0.49)	3 (0.12)
3 in.	98.4 (3.87)	81 (3.19)	72.42 (2.85)	83.8 (3.3)	2.4 (0.09)	7.9 (0.31)	15 (0.59)	3 (0.12)
4 in.	124 (4.88)	111.25 (4.38)	72.42 (2.85)	109.3 (4.3)	2.4 (0.09)	7.9 (0.31)	15 (0.59)	3 (0.12)

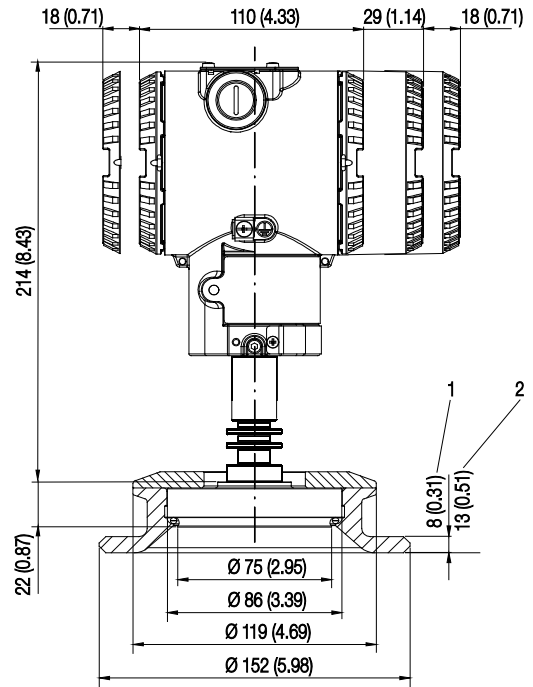
266MDT with barrel housing and direct mount diaphragm seal S26SS sanitary applications, flush diaphragm



M10049

Fig. 20  
1 For thin walls | 2 For thick walls

266GDT / 266ADT with barrel housing and direct mount diaphragm seal S26SS sanitary applications, flush diaphragm



M10058

Fig. 21  
1 For thin walls | 2 For thick walls

Model 266MDT Differential  
 Model 266GDT Gauge  
 Model 266ADT Absolute

266MDT with barrel housing and direct mount diaphragm seal S26SS sanitary applications, with extended diaphragm

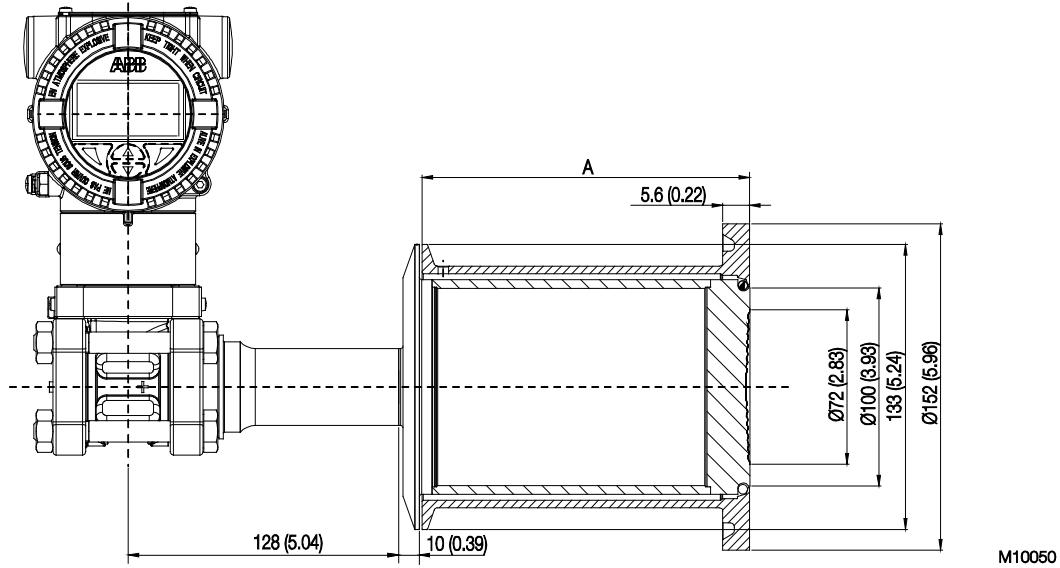


Fig. 22

266GDT / 266ADT with barrel housing and direct mount diaphragm seal S26SS sanitary applications, with extended diaphragm

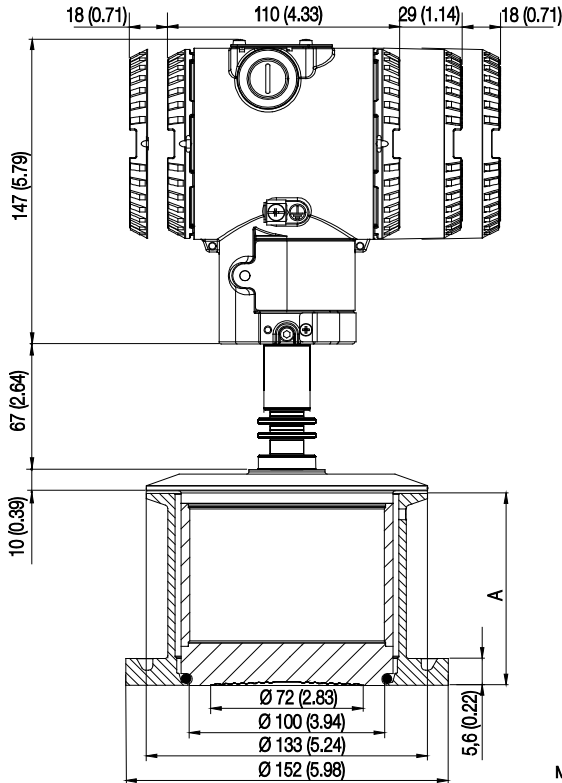


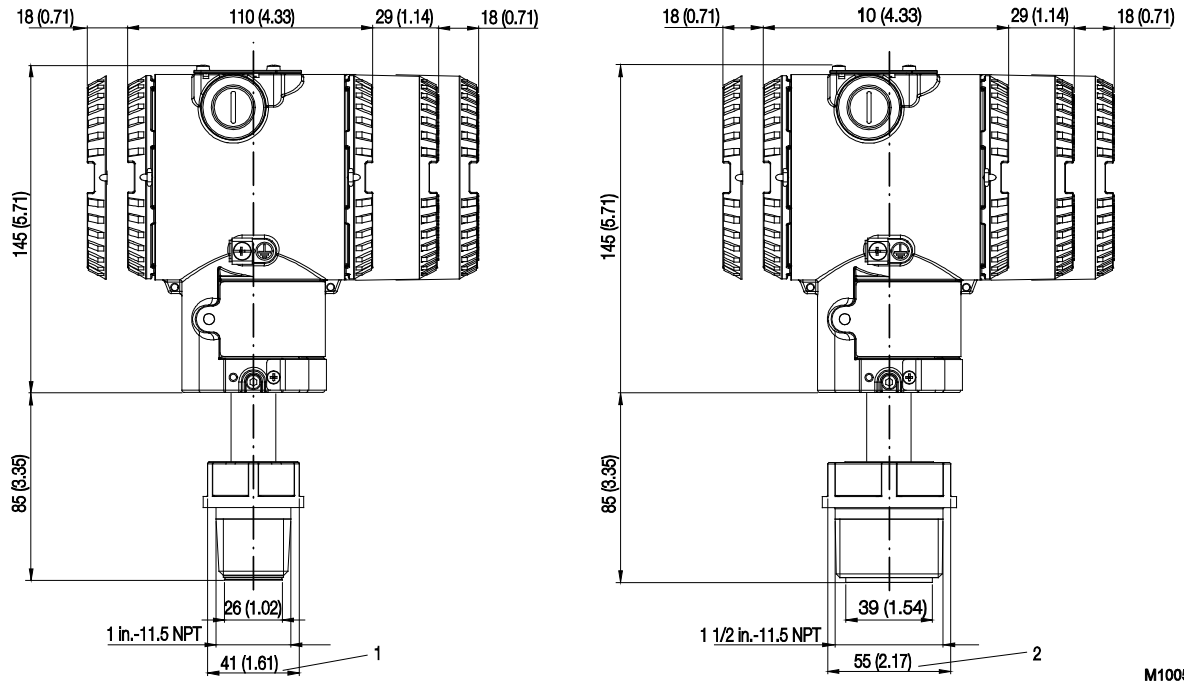
Fig. 23

Dimensions mm (inch) for S26SS sanitary applications, extended diaphragm length

Size	A mm (inch)
2 in.	53.3 (2.1)
4 in.	104.1 (4.1)
6 in.	154.9 (6.1)

M10051

266GDT / 266ADT with barrel housing and direct mount diaphragm seal S26KN paper and pulp industry NPT screwed connections

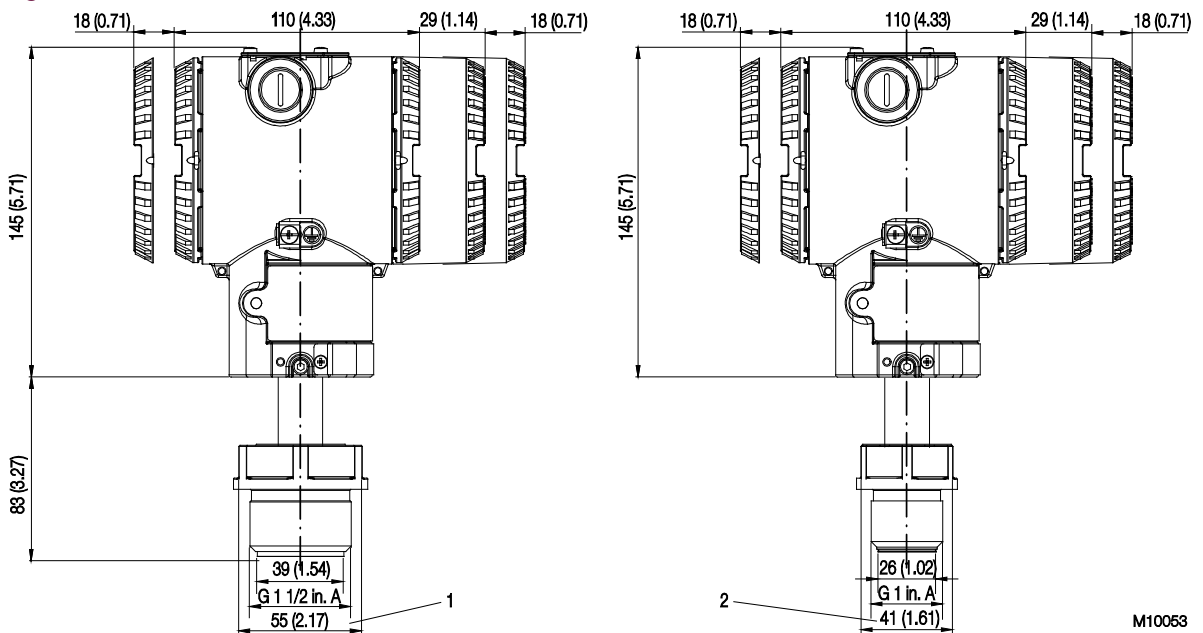


M10052

Fig. 24

1 Wrench size 41, hexagonal | 2 Wrench size 55, hexagonal

266GDT / 266ADT with barrel housing and direct mount diaphragm seal S26KN paper and pulp industry, G external thread fitting



M10053

Fig. 25

1 Wrench size 55, hexagonal | 2 Wrench size 41, hexagonal

Model 266MDT Differential  
 Model 266GDT Gauge  
 Model 266ADT Absolute

266GDT / 266ADT with barrel housing and direct mount diaphragm seal S26KN paper and pulp industry, with O-ring seal

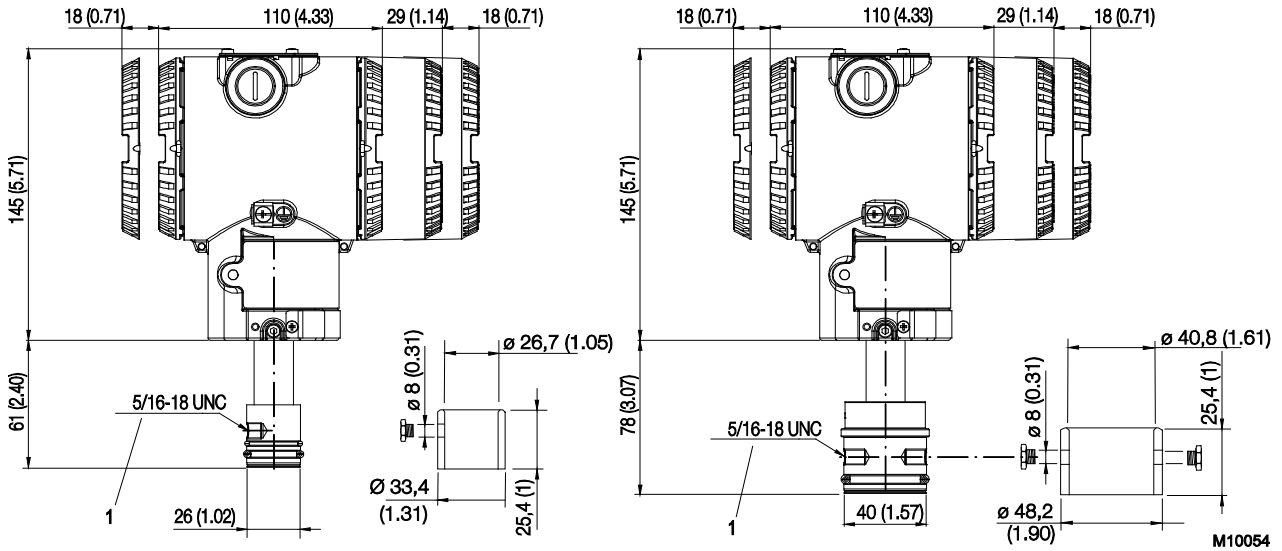


Fig. 26

1 Fixing hole for welded spud

266GDT with barrel housing and direct mount diaphragm seal S26KN paper and pulp industry, ball valve connection (for ordering information see DS/266GST)

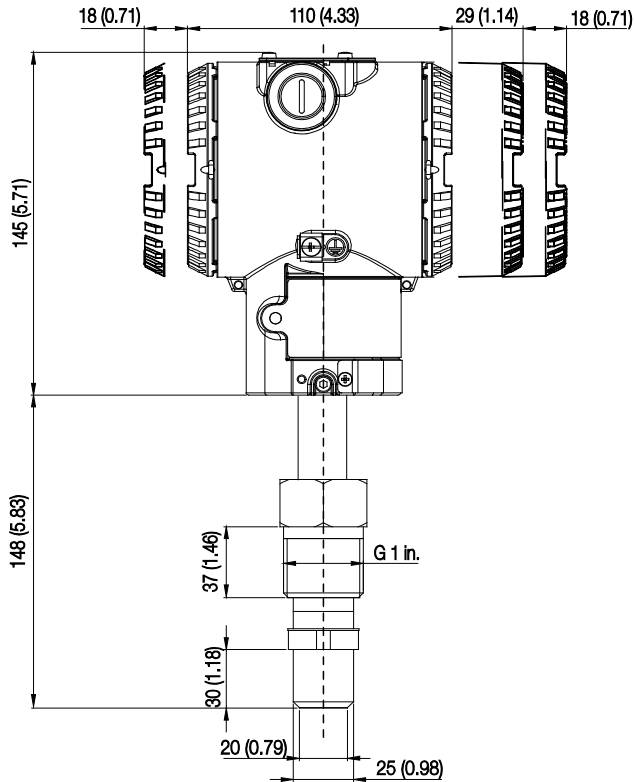


Fig. 27

M10055

266GDT / 266ADT with barrel housing and direct mount diaphragm seal S26KN paper and pulp industry, for threaded spud

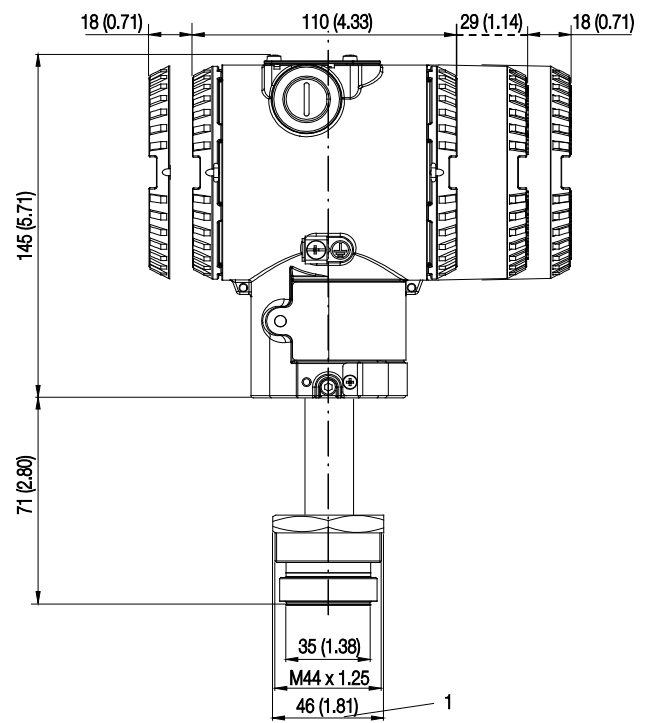


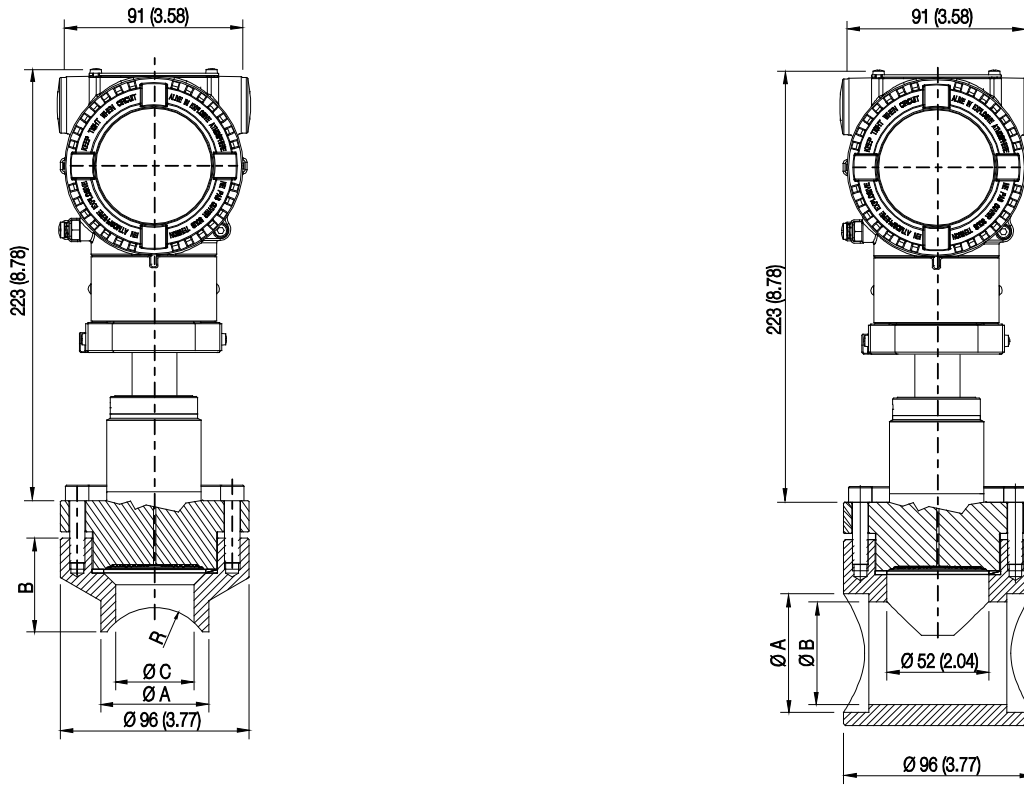
Fig. 28

1 Wrench size 46, hexagonal

M10057

Model 266MDT Differential  
 Model 266GDT Gauge  
 Model 266ADT Absolute

266GDT / 266ADT with barrel housing and direct mount diaphragm seal S26VN, for saddle and socket flange



M10056

Fig. 29

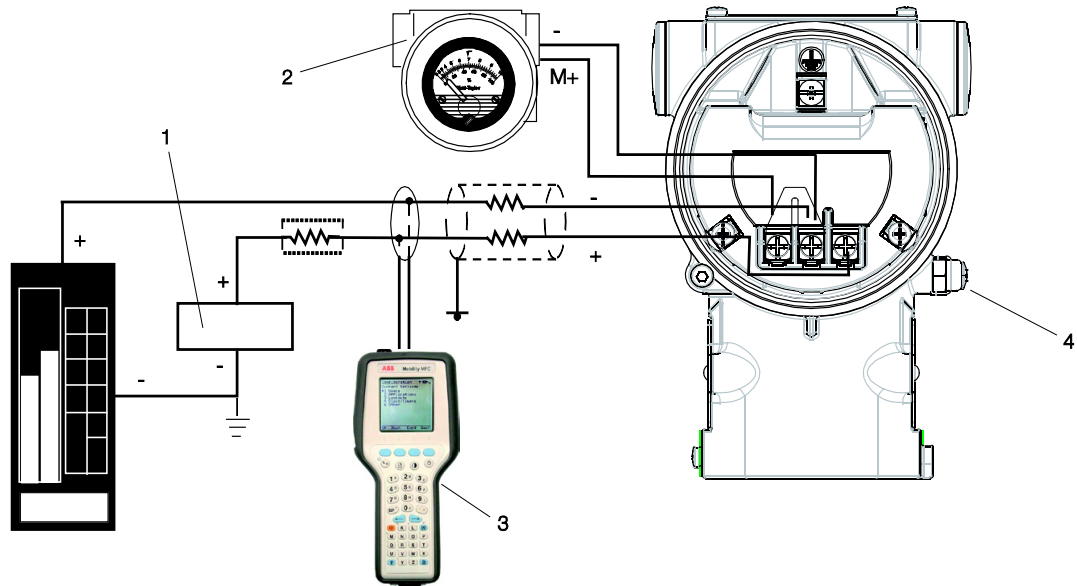
Fitting connection / size	Dimensions mm (inch) for S26JN saddle flange			
	A Ø	B	C Ø	R
Saddle flange 2 in.	55 (2.17)	48 (1.89)	40 (1.57)	30
Saddle flange 2 1/2 in.	76 (3.0)	45 (1.77)	52 (2.05)	45
Saddle flange 3 in.	76 (3.0)	45 (1.77)	50 (1.97)	45
Saddle flange 4 in.	76 (3.0)	41 (1.61)	50 (1.97)	57
Saddle flange 5 in.	76 (3.0)	40 (1.57)	50 (1.97)	70
Saddle flange 6 in.	76 (3.0)	36 (1.42)	50 (1.97)	85

Fitting connection / size	Dimensions mm (inch) for S26VN socket flange		
	A Ø	B	C
Socket flange 1/2 in.	21.8 (0.86)	15.9 (0.63)	86 (3.39)
Socket flange 3/4 in.	27 (1.06)	21.2 (0.83)	96 (3.78)
Socket flange 1 in.	33.6 (1.32)	26.8 (1.06)	101 (3.98)
Socket flange 1 1/2 in.	48.5 (1.91)	41 (1.61)	121 (4.76)
Socket flange 2 in.	60.5 (2.38)	52.5 (2.07)	121 (4.76)



## Electrical connections

### HART version



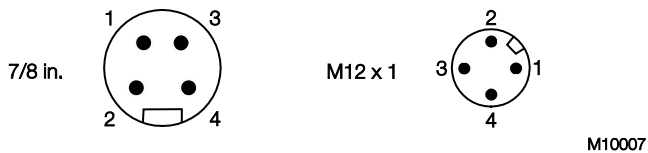
M10023

Fig. 30: Electrical connections - HART version

1 Power supply | 2 Remote display | 3 Handheld terminal | 4 External ground connection

The HART handheld terminal can be connected to any wiring termination point in the loop, provided there is a minimum resistance of  $250\ \Omega$  between the handheld terminal and transmitter power supply. If this is less than  $250\ \Omega$ , additional resistance needs to be incorporated in order to enable communication.

### Fieldbus versions

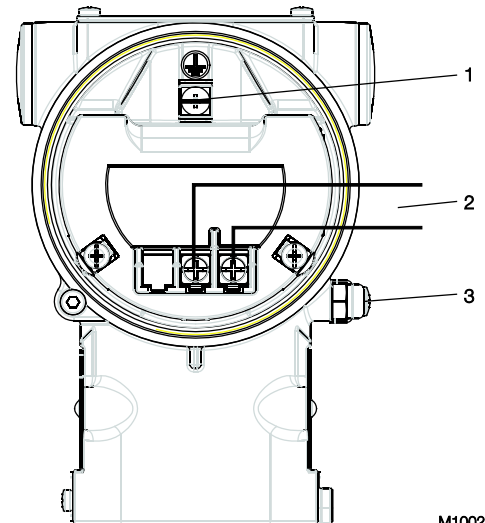


M10007

Fig. 31: Plug connector - fieldbus versions

Pin assignment (plug)		
Pin number	FOUNDATION fieldbus	PROFIBUS PA
1	DATA -	DATA +
2	DATA +	GROUND
3	SHIELD	DATA -
4	GROUND	SHIELD

Delivery scope: Plug connectors supplied loose without mating plug (female connector)



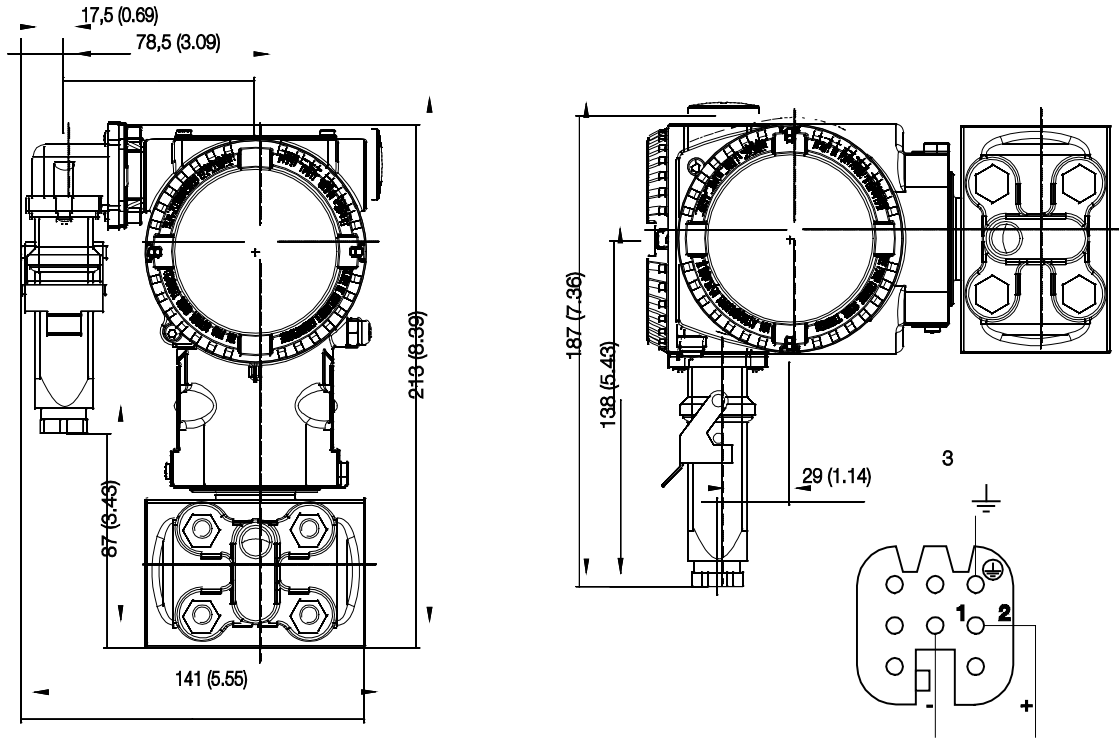
M10024

Fig. 32: Standard terminal strip

1 Internal ground terminal | 2 Fieldbus line (regardless of polarity) | 3 External ground terminal

Model 266MDT Differential  
 Model 266GDT Gauge  
 Model 266ADT Absolute

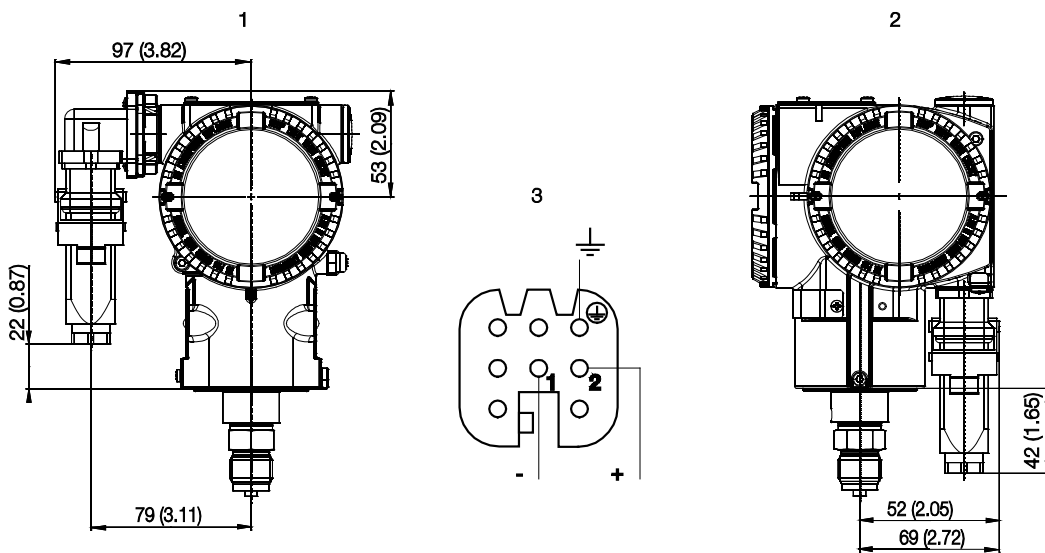
HART version



M10008

Fig. 33: Harting Han plug connector - differential pressure transmitter (application example)

1 Barrel housing | 2 DIN housing | 3 Harting Han 8D (8U) socket insert for mating plug supplied (view of sockets)



M10028

Fig. 34: Harting Han plug connector - gauge / absolute pressure transmitter (application example)

1 Barrel housing | 2 DIN housing | 3 Harting Han 8D (8U) socket insert for mating plug supplied (view of sockets)

## Ordering information

### Basic ordering information model 266MDT Differential Pressure Transmitter with direct mount seal, maximum working pressure depending on seal / sensor limits.

Select one character or set of characters from each category and specify complete catalog number.

Refer to additional ordering information and specify one or more codes for each transmitter if additional options are required.

Base model – 1 <sup>st</sup> to 6 <sup>th</sup> characters			266MDT	X	X	X	X	X	X	X
Differential Pressure Transmitter with direct mount seal, base accuracy 0.04 %										
<b>Sensor Span Limits – 7<sup>th</sup> character</b>										continued see next page
0.6 and 6 kPa	6 and 60 mbar	2.41 and 24 in. H <sub>2</sub> O	C							
0.67 and 40 kPa	6.7 and 400 mbar	2.67 and 160 in. H <sub>2</sub> O	F							
4.17 and 250 kPa	41.7 and 2500 mbar	16.7 and 1000 in. H <sub>2</sub> O	L							
33.3 and 2000 kPa	0.333 and 20 bar	4.83 and 290 psi	N							
167 and 10000 kPa	1.67 and 100 bar	24.2 and 1450 psi	R							
<b>Maximum Working Pressure – 8<sup>th</sup> character</b>										
16 MPa	160 bar	2320 psi							C	
<b>Diaphragm Material / Fill Fluid – 9<sup>th</sup> character</b>										
AISI 316L SST (1.4435)	Silicone oil		NACE						S	
Hastelloy C-276	Silicone oil		NACE						K	
Monel 400	Silicone oil		NACE						M	
Monel 400 gold-plated	Silicone oil		NACE						V	
Tantalum	Silicone oil		NACE						T	
AISI 316L SST (1.4435)	Inert fluid - Galden (Suitable for oxygen applications)		NACE						A	
Hastelloy C-276	Inert fluid - Galden (Suitable for oxygen applications)		NACE						F	
Monel 400	Inert fluid - Galden (Suitable for oxygen applications)		NACE						C	
Monel 400 gold-plated	Inert fluid - Galden (Suitable for oxygen applications)		NACE						Y	
Tantalum	Inert fluid - Galden (Suitable for oxygen applications)		NACE						D	
Diaphragm seal	Silicone oil (Seal to be quoted separately)								R	
Diaphragm seal	Inert fluid - Galden (Seal to be quoted separately)								2	
<b>Process Flanges and Adapters Material / Connection – 10<sup>th</sup> character</b>										
AISI 316L SST (1.4404 / 1.4408)	1/4-18 NPT female direct	(horizontal connection)	NACE							A
AISI 316L SST (1.4404 / 1.4408)	1/2-14 NPT female through adapter	(horizontal connection)	NACE							B
AISI 316L SST (1.4404 / 1.4408)	1/4-18 NPT female direct (DIN 19213)	(horizontal connection)	NACE							C
Hastelloy C-276	1/4-18 NPT female direct	(horizontal connection)	NACE							D
Hastelloy C-276	1/2-14 NPT female through adapter	(horizontal connection)	NACE							E
Monel 400	1/4-18 NPT female direct	(horizontal connection)	NACE							G
Monel 400	1/2-14 NPT female through adapter	(horizontal connection)	NACE							H
AISI 316L SST (1.4404 / 1.4408)	For two seals construction		NACE							R

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

Basic ordering information model 266MDT Differential Pressure Transmitter			X	X	X
<b>Bolts Material / Gaskets Material</b> – 11 <sup>th</sup> character					
AISI 316L SST (NACE - non exposed to H2S) / Viton (Suitable for oxygen applications)			3		
AISI 316L SST (NACE - non exposed to H2S) / PTFE (Max. 25 MPa / 250 bar / 3625 psi)			4		
AISI 316L SST (NACE - non exposed to H2S) / EPDM			5		
AISI 316L SST (NACE - non exposed to H2S) / Perbunan			6		
AISI 316L SST (NACE - non exposed to H2S) / Graphite			7		
AISI 316L SST (NACE - non exposed to H2S) / Without gaskets (For two seals construction)			R		
<b>Housing Material / Electrical Connection</b> – 12 <sup>th</sup> character					
Aluminium alloy (Barrel type)	1/2-14 NPT				A
Aluminium alloy (Barrel type)	M20 x 1.5				B
Aluminium alloy (Barrel type)	Harting Han connector (General purpose only)	(Note: 1)			E
Aluminium alloy (Barrel type)	Fieldbus connector (General purpose only)	(Note: 1)			G
AISI 316L SST (Barrel type)	1/2-14 NPT				S
AISI 316L SST (Barrel type)	M20 x 1.5				T
Aluminium alloy (DIN type)	M20 x 1.5				J
Aluminium alloy (DIN type)	Harting Han connector (General purpose only)	(Note: 1)			K
Aluminium alloy (DIN type)	Fieldbus connector (General purpose only)	(Note: 1)			W
AISI 316L SST (Barrel type)	Fieldbus connector (General purpose only)	(Note: 1)			Z
<b>Output</b> – 13 <sup>th</sup> character					
HART digital communication and 4 ... 20 mA (No additional options)					H
HART digital communication and 4 ... 20 mA (Options requested by "Additional ordering code")					1
PROFIBUS PA (No additional options)					P
PROFIBUS PA (Options requested by "Additional ordering code")					2
FOUNDATION fieldbus (No additional options)					F
FOUNDATION fieldbus (Options requested by "Additional ordering code")					3
HART digital communication and 4 ... 20 mA, SIL2 and SIL3 certified to IEC 61508 (No additional options)					T
HART digital communication and 4 ... 20 mA, SIL2 and SIL3 certified to IEC 61508 (Options requested by "Additional ordering code")					8

### Additional ordering information for model 266MDT

Add one or more 2-digit code(s) after the basic ordering information to select all required options.

	XX	XX
<b>Vent and Drain Valve Material / Position</b>		
AISI 316L SST (1.4404) On process axis	NACE	V1
AISI 316L SST (1.4404) On flanges side top	NACE	V2
AISI 316L SST (1.4404) On flanges side bottom	NACE	V3
Hastelloy C-276 On process axis	NACE	V4
Hastelloy C-276 On flanges side top	NACE	V5
Hastelloy C-276 On flanges side bottom	NACE	V6
Monel 400 On process axis	NACE	V7
Monel 400 On flanges side top	NACE	V8
Monel 400 On flanges side bottom	NACE	V9
<b>Explosion protection</b>		
ATEX Group II Category 1 GD - Intrinsic Safety Ex ia		E1
ATEX Group II Category 1/2 GD - Flameproof Ex d		E2
ATEX Group II Category 3 GD - Type of protection "N" Ex nL design compliance		E3
FM approval (Canada, CSA) Class I, II, Div. 1, 2, Group A to F (XP, IS, NI) (Only available with 1/2-14 NPT or M20 electrical connections)		E4
FM approval (USA) Class I, II, Div. 1, 2, Group A to F (XP, IS, NI) (Only available with 1/2-14 NPT or M20 electrical connections)		E6
Combined ATEX - Intrinsic Safety, Flameproof and Type „N“		EW
FM approvals (USA and Canada) Intrinsic Safety		EA
FM approvals (USA and Canada) Explosion-proof		EB
FM approvals (USA and Canada) Non-incendive		EC
Combined ATEX, FM and CSA (Only available with 1/2-14 NPT or M20 electrical connections)		EN
IEC Approval Group II Category 1 GD - Intrinsic Safety Ex ia		E8
IEC Approval Group II Category 1/2 GD - Flameproof Ex d		E9
IEC Approval Group II Category 3 GD - Type of protection "N" Ex nL design compliance		ER
Combined IEC Approval Ex ia and Ex d		EH
Combined IEC Approval Ex ia, Ex d and Ex nL		EI
NEPSI IIC Ex ia		EY
NEPSI IIC Ex d		EZ
NEPSI IIC Ex nL		ES
Combined NEPSI Ex ia and Ex d		EP
Combined NEPSI Ex ia, Ex d and Ex nL		EQ

Model 266MDT Differential  
 Model 266GDT Gauge  
 Model 266ADT Absolute

Additional ordering information for model 266MDT	XX	XX	XX	XX	XX
<b>Other Explosion Protection Certifications</b>					
GOST Russia - Ex ia	W1				
GOST Russia - Ex d	W2				
GOST Kazakhstan - Ex ia	W3				
GOST Kazakhstan - Ex d	W4				
<b>Integral LCD</b>					
With integral LCD display		L1			
TTG (Through The Glass) integral digital LCD display		L5			
<b>Surge / Transient Protector</b>					
With integral surge / transient protector				S2	
<b>Operating Instruction Language</b>					
German					M1
Italian					M2
Spanish					M3
French					M4
English					M5
Swedish					M7
Polish					M9
Portuguese					MA
Turkish					MT
<b>Label and Tag Language</b>					
German					T1
Italian					T2
Spanish					T3
French					T4

Additional ordering information for model 266MDT	XX	XX	XX	XX
<b>Additional Tag Plate</b>				
Supplemental wired-on stainless steel plate (4 lines, 32 characters each)	I1			
Laser printing of tag on stainless steel plate	I2			
Stainless steel tag, certification and wire-on plates	I3			
<b>Configuration</b>				
Standard pressure = in. H2O / psi at 68 °F		N2		
Standard pressure = in. H2O / psi at 39.2 °F		N3		
Standard pressure = in. H2O / psi at 20 °C		N4		
Standard pressure = in. H2O / psi at 4 °C		N5		
Custom		N6		
<b>Certificates</b>				
Inspection certificate 3.1 acc. EN 10204 of calibration				C1
Inspection certificate 3.1 acc. EN 10204 of cleanliness stage			(Note: 2)	C3
Inspection certificate 3.1 acc. EN 10204 of helium leakage test of the sensor module				C4
Inspection certificate 3.1 acc. EN 10204 of pressure test				C5
Declaration of compliance with the order 2.1 acc. EN 10204 for instrument design				C6
Separate calibration record				CC
Printed record of configured data of transmitter				CG
PMI test on wetted parts				CT
<b>Approvals</b>				
GOST Russia - Without Explosion Protection				Y1
GOST Kazakhstan - Without Explosion Protection				Y2
GOST Ukraine - Without Explosion Protection				Y3
GOST Belarus - Without Explosion Protection				Y4

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

Additional ordering information for model 266MDT	XX	XX	XX
<b>Material Traceability</b>			
Certificate of compliance with the order 2.1 acc. EN 10204 for process wetted parts	H1		
Inspection certificate 3.1 acc. EN 10204 of pressure-bearing and process wetted parts with analysis certificates as material verification (Note: 3)	H3		
Material certificate 2.2 acc. EN 10204 for the pressure bearing and process wetted parts	H4		
<b>Connector</b>			
Fieldbus 7/8 in. (Recommended for FOUNDATION fieldbus, supplied loose without female plug)		U1	
Fieldbus M12 x 1 (Recommended for PROFIBUS PA, supplied loose without female plug)		U2	
Harting Han 8D (8U), straight entry		U3	
Harting Han 8D (8U), angle entry		U4	
Harting Han 7D		U5	
Harting HAN 8D (8U) - For Four-Wire add-on Unit		U6	
Harting HAN 7D - For Four-Wire add-on Unit		U7	
With cable gland M20 x 1.5		U8	
<b>Housing Accessories</b>			
Four-wire add-on unit: Power supply 24 V UC / Output signal 0 ... 20 mA (Note: 4)			A4
Four-wire add-on unit: Power supply 24 V UC / Output signal 4 ... 20 mA (Note: 4)			A6
Four-wire add-on unit: Power supply 230 V AC / Output signal 0 ... 20 mA (Note: 4)			A5
Four-wire add-on unit: Power supply 230 V AC / Output signal 4 ... 20 mA (Note: 4)			A7

### Seal Type High / Low Pressure Side

For ordering information please refer to the different seal models in the posterior part of the order informations.

- Note 1: Select connector with additional ordering code  
 Note 2: Only available with Special Options W16  
 Note 3: Minor parts with factory certificate acc. EN 10204  
 Note 4: Only available with Housing Material / Electrical Connection code J (DIN housing)

### Standard delivery scope (changes possible with additional ordering code)

- Adapters supplied loose
- Plugs for process axis (no vent / drain valves)
- For standard applications (without explosion protection)
- No display, no surge protection
- Multilanguage short-form operating instruction and English labeling
- Configuration with kPa and °C units
- No test, inspection, or material certificates



**Main ordering information for model 266GDT gauge pressure transmitter with direct mount diaphragm seal, overpressure limit dependent upon diaphragm seal / pressure sensor limits**

Select one or more characters from each category and enter the complete catalog number.

Enter one or more codes for additional order information if you are purchasing optional extras for each transmitter.

<b>Base model</b> – Characters 1 through 6				<b>266GDT</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Gauge pressure transmitter with direct mount diaphragm seal, base accuracy 0.04 %									
<b>Sensor measuring range limits</b> – Character 7									
0.6 and 6 kPa	6 and 60 mbar	2.41 and 24 in. H2O	1 MPa (10 bar, 145 psi)	C					
0.67 and 40 kPa	6.7 and 400 mbar	2.67 and 160 in. H2O	1 MPa (10 bar, 145 psi)	F					
4.17 and 250 kPa	41.7 and 2500 mbar	16.7 and 1000 in. H2O	3 MPa (30 bar, 435 psi)	L					
16.7 and 1000 kPa	0.167 and 10 bar	2.42 and 245 psi	6 MPa (60 bar, 870 psi)	D					
50 and 3000 kPa	0.5 and 30 bar	7.25 and 435 psi	6 MPa (60 bar, 870 psi)	U					
167 and 10000 kPa	1.67 and 100 bar	24.2 and 1450 psi	30 MPa (300 bar, 4350 psi)	R					
1000 and 60000 kPa	10 and 600 bar	145 and 8700 psi	90 MPa (900 bar, 13050 psi)	V					
<b>Diaphragm material / filling fluid</b> – Character 8									
Hastelloy C-276	Silicone oil		NACE					K	
Hastelloy C-276	Fluorocarbon - Galden (suited to oxygen applications)		NACE					F	
Hastelloy C-276	White oil (FDA)		NACE					Z	
<b>Process connection material / type</b> – Character 9									
Direct mount diaphragm seal (specify separately)									M
<b>Housing material / electrical connection</b> – Character 10									
Aluminium alloy (barrel type)	1/2-14 NPT								A
Aluminium alloy (barrel type)	M20 x 1.5								B
Aluminium alloy (barrel type)	Harting Han plug connector	(for standard applications)	(Note: 1)						E
Aluminium alloy (barrel type)	Fieldbus plug connector	(for standard applications)	(Note: 1)						G
Stainless steel (barrel type)	1/2-14 NPT								S
Stainless steel (barrel type)	M20 x 1.5								T
Aluminium alloy (DIN type)	M20 x 1.5								J
Aluminium alloy (DIN type)	Harting Han plug connector	(for standard applications)	(Note: 1)						K
Aluminium alloy (DIN type)	Fieldbus plug connector	(for standard applications)	(Note: 1)						W
Stainless steel (barrel type)	Fieldbus plug connector	(for standard applications)	(Note: 1)						Z
<b>Output</b> – Character 11									
HART digital communication and 4 ... 20 mA (no additional options)									H
HART digital communication and 4 ... 20 mA (product selection with additional order code)									1
PROFIBUS PA (no additional options)									P
PROFIBUS PA (product selection with additional order code)									2
FOUNDATION fieldbus (no additional options)									F
FOUNDATION fieldbus (product selection with additional order code)									3
HART digital communication and 4 ... 20 mA, SIL2 and SIL3-certified in acc. with IEC 61508 (no additional options)									T
HART digital communication and 4 ... 20 mA, SIL2 and SIL3-certified in acc. with IEC 61508 (product selection with additional order code)									8

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

### Additional ordering information for model 266GDT

All required options have to be entered by adding a one-digit or two-digit code or codes after the main order number.

	XX	XX
<b>Explosion protection</b>		
ATEX II Category 1 GD, Intrinsic safety Ex ia	E1	
ATEX II Category 1/2 GD, Flameproof (enclosure) Ex d	E2	
ATEX II Category 3 GD, Energy-limited Ex nL	E3	
FM approval (Canada, CSA) Class I, II, Div 1, 2, Group A to F (XP, IS, NI) (only available with electrical connection 1/2-14 NPT or M20)	E4	
FM approval (USA) Class I, II, Div 1, 2, Group A to F (XP, IS, NI) (only available with electrical connection 1/2-14 NPT or M20)	E6	
ATEX II 1 GD, Ex ia + ATEX II 1/2 GD, Ex d and ATEX II 3 GD, Ex nL	EW	
FM approvals (USA and Canada) Intrinsic safety	EA	
FM approvals (USA and Canada) Explosion-proof	EB	
FM approvals (USA and Canada) Non-incendive	EC	
ATEX + FM + CSA (only available with electrical connection 1/2-14 NPT or M20)	EN	
IECEX II Category 1 GD, Intrinsic safety Ex ia	E8	
IECEX II Category 1/2 GD, Flameproof (enclosure) Ex d	E9	
IECEX II Category 3 GD, Energy-limited Ex nL	ER	
IEC combined Ex ia and Ex d	EH	
IEC combined Ex ia, Ex d and Ex nL	EI	
NEPSI Intrinsic safety Ex ia	EY	
NEPSI Flameproof (enclosure) Ex d	EZ	
NEPSI type "N" Ex nL	ES	
NEPSI combined - Intrinsic safety and flameproof (enclosure)	EP	
NEPSI combined - Intrinsic safety and flameproof (enclosure), and type "N"	EQ	
<b>Explosion protection (supplement)</b>		
GOST Russia - Ex ia		W1
GOST Russia - Ex d		W2
GOST Kazakhstan - Ex ia		W3
GOST Kazakhstan - Ex d		W4

Additional ordering information for model 266GDT	XX	XX	XX	XX	XX
<b>Integrated digital display (LCD)</b>					
With integrated LCD display	L1				
With integrated touch screen LCD display (TTG)	L5				
<b>Overvoltage protection</b>					
With overvoltage protection (transient protector)	S2				
<b>Language of documentation</b>					
German			M1		
Italian			M2		
Spanish			M3		
French			M4		
English			M5		
Swedish			M7		
Polish			M9		
Portuguese			MA		
Turkish			MT		
<b>Label and tag language</b>					
German				T1	
Italian				T2	
Spanish				T3	
French				T4	
<b>Additional tag plate</b>					
Tag plate made from stainless steel (4 lines with 30 characters each)					I1
Measuring point tag laser-printed onto stainless steel plate					I2
Measuring point, certification and tag plate made from stainless steel					I3

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

Additional ordering information for model 266GDT	XX	XX	XX	XX
<b>Configuration (units for tag plate name)</b>				
Standard pressure = in. H2O / psi at 68 °F	N2			
Standard pressure = in. H2O / psi at 39.2 °F	N3			
Standard pressure = in. H2O / psi at 20 °C	N4			
Standard pressure = in. H2O / psi at 4 °C	N5			
Customer-specific	N6			
<b>Certificates</b>				
Inspection certificate 3.1 to EN 10204 for calibration		C1		
Inspection certificate 3.1 to EN 10204 for cleaning stage	(Note: 2)	C3		
Inspection certificate 3.1 to EN 10204 for helium leakage test of measuring chamber		C4		
Inspection certificate 3.1 to EN 10204 for pressure test		C5		
Declaration of compliance 2.1 to EN 10204 for device design		C6		
Calibration log separate		CC		
With device data log		CG		
PMI test of parts that come into contact with fluid		CT		
<b>Approvals</b>				
GOST Russia - without Ex			Y1	
GOST Kazakhstan - without Ex			Y2	
GOST Ukraine - without Ex			Y3	
GOST Belarus - without Ex			Y4	
<b>Material certification</b>				
Declaration of compliance 2.1 to EN 10204 for materials of parts that come into contact with fluid				H1
Inspection certificate 3.1 to EN 10204 for pressure-bearing parts and parts that come into contact with fluid, with analysis reports as evidence of material used	(Note: 3)			H3
Declaration of compliance 2.2 to EN 10204 for pressure-bearing parts and parts that come into contact with fluid				H4

Additional ordering information for model 266GDT		XX	XX
<b>Plug connector</b>			
Fieldbus 7/8 in. (recommended for FOUNDATION fieldbus, supplied loose, without mating plug)		U1	
Fieldbus M12 x 1 (recommended for PROFIBUS PA, supplied loose, without mating plug)		U2	
Harting Han 8D (8U), straight entry		U3	
Harting Han 8D (8U), angle entry		U4	
Harting Han 7D		U5	
Harting HAN 8D (8U), for four-wire accessory unit		U6	
Harting HAN 7D, for four-wire accessory unit		U7	
With cable gland M20 x 1.5		U8	
<b>Housing accessories</b>			
Four-wire accessory unit: power supply 24 V UC / output signal 0 ... 20 mA	(Note: 4)		A4
Four-wire accessory unit: power supply 24 V UC / output signal 4 ... 20 mA	(Note: 4)		A6
Four-wire accessory unit: power supply 230 V AC / output signal 0 ... 20 mA	(Note: 4)		A5
Four-wire accessory unit: power supply 230 V AC / output signal 4 ... 20 mA	(Note: 4)		A7
<b>Diaphragm seal type, high pressure side</b>			
The ordering information for the various diaphragm seal models is listed after the transmitter information, in the last section of the document.			

- Note 1: Select plug connector with additional order code  
Note 2: Only available with special option code W16  
Note 3: Small parts with declaration of compliance according to EN 10204  
Note 4: Only available with housing material / electrical connection code B (barrel housing)

#### Standard delivery scope (changes possible with additional ordering code)

- For standard applications (without explosion protection)
- No display, no surge protection
- Multilanguage short-form operating instruction and English labeling
- Configuration with kPa and °C units
- No test, inspection, or material certificates

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

### Main ordering information for model 266ADT absolute pressure transmitter with direct mount diaphragm seal, overpressure limit dependent upon diaphragm seal / pressure sensor limits

Select one or more characters from each category and enter the complete catalog number.

Enter one or more codes for additional order information if you are purchasing optional extras for each transmitter.

Base model – Characters 1 through 6				266ADT	X	X	X	X	X
Absolute pressure transmitter with direct mount diaphragm seal, base accuracy 0.04 %									
<b>Sensor Span Limits – 7<sup>th</sup> character</b>									
1.2 and 6 kPa	12 and 60 mbar	4.82 and 24 in. H <sub>2</sub> O	9 and 45 mm Hg	1 MPa (10 bar, 145 psi)	C				
2 and 40 kPa	20 and 400 mbar	15 and 300 mm HG		1 MPa (10 bar, 145 psi)	F				
12.5 and 250 kPa	125 and 2500 mbar	93.8 and 1875 mm Hg		3 MPa (30 bar, 435 psi)	L				
50 and 1000 kPa	0.5 and 10 bar	7.25 and 145 psi		6 MPa (60 bar, 870 psi)	D				
150 and 3000 kPa	1.5 and 30 bar	21.7 and 435 psi		6 MPa (60 bar, 870 psi)	U				
500 and 10,000 kPa	5 and 100 bar	72.5 and 1450 psi		30 MPa (300 bar, 4350 psi)	R				
<b>Diaphragm material / filling fluid – Character 8</b>									
Hastelloy C-276	Silicone oil		NACE			K			
Hastelloy C-276	Fluorocarbon - Galden (suited to oxygen applications)		NACE			F			
Hastelloy C-276	White oil (FDA)		NACE			Z			
<b>Process connection material / type – Character 9</b>									
Direct mount diaphragm seal (specify separately)								M	
<b>Housing material / electrical connection – Character 10</b>									
Aluminum alloy (barrel type)	1/2-14 NPT							A	
Aluminum alloy (barrel type)	M20 x 1.5							B	
Aluminum alloy (barrel type)	Harting Han plug connector	(for standard applications)	(Note: 1)					E	
Aluminum alloy (barrel type)	Fieldbus plug connector	(for standard applications)	(Note: 1)					G	
Stainless steel (barrel type)	1/2-14 NPT							S	
Stainless steel (barrel type)	M20 x 1.5							T	
Aluminum alloy (DIN type)	M20 x 1.5							J	
Aluminum alloy (DIN type)	Harting Han plug connector	(for standard applications)	(Note: 1)					K	
Aluminum alloy (DIN type)	Fieldbus plug connector	(for standard applications)	(Note: 1)					W	
Stainless steel (barrel type)	Fieldbus plug connector	(for standard applications)	(Note: 1)					Z	
<b>Output – Character 11</b>									
HART digital communication and 4 ... 20 mA (no additional options)									H
HART digital communication and 4 ... 20 mA (product selection with additional order code)									1
PROFIBUS PA (no additional options)									P
PROFIBUS PA (product selection with additional order code)									2
FOUNDATION fieldbus (no additional options)									F
FOUNDATION fieldbus (product selection with additional order code)									3
HART digital communication and 4 ... 20 mA, SIL2 and SIL3-certified in acc. with IEC 61508 (no additional options)									T
HART digital communication and 4 ... 20 mA, SIL2 and SIL3-certified in acc. with IEC 61508 (product selection with additional order code)									8

### Additional ordering information for model 266ADT

All required options have to be entered by adding a one-digit or two-digit code or codes after the main order number.

	XX	XX
<b>Explosion protection</b>		
ATEX II Category 1 GD, Intrinsic safety Ex ia	E1	
ATEX II Category 1/2 GD, Flameproof (enclosure) Ex d	E2	
ATEX II Category 3 GD, Energy-limited Ex nL	E3	
FM approval (Canada, CSA) Class I, II, Div 1, 2, Group A to F (XP, IS, NI) (only available with electrical connection 1/2-14 NPT or M20)	E4	
FM approval (USA) Class I, II, Div 1, 2, Group A to F (XP, IS, NI) (only available with electrical connection 1/2-14 NPT or M20)	E6	
ATEX II 1 GD, Ex ia + ATEX II 1/2 GD, Ex d and ATEX II 3 GD, Ex nL	EW	
FM approvals (USA and Canada) Intrinsic safety	EA	
FM approvals (USA and Canada) Explosion-proof	EB	
FM approvals (USA and Canada) Non-incendive	EC	
ATEX + FM + CSA (only available with electrical connection 1/2-14 NPT or M20)	EN	
IECEx II Category 1 GD, Intrinsic safety Ex ia	E8	
IECEx II Category 1/2 GD, Flameproof (enclosure) Ex d	E9	
IECEx II Category 3 GD, Energy-limited Ex nL	ER	
IEC combined Ex ia and Ex d	EH	
IEC combined Ex ia, Ex d and Ex nL	EI	
NEPSI Intrinsic safety Ex ia	EY	
NEPSI Flameproof (enclosure) Ex d	EZ	
NEPSI type "N" Ex nL	ES	
NEPSI combined - Intrinsic safety and flameproof (enclosure)	EP	
NEPSI combined - Intrinsic safety and flameproof (enclosure), and type "N"	EQ	
<b>Explosion protection (supplement)</b>		
GOST Russia - Ex ia		W1
GOST Russia - Ex d		W2
GOST Kazakhstan - Ex ia		W3
GOST Kazakhstan - Ex d		W4

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

Additional ordering information for model 266ADT	XX	XX	XX	XX	XX
<b>Integrated digital display (LCD)</b>					
With integrated LCD display	L1				
With integrated touch screen LCD display (TTG)	L5				
<b>Overvoltage protection</b>					
With overvoltage protection (transient protector)		S2			
<b>Language of documentation</b>					
German				M1	
Italian				M2	
Spanish				M3	
French				M4	
English				M5	
Swedish				M7	
Polish				M9	
Portuguese				MA	
Turkish				MT	
<b>Label and tag language</b>					
German					T1
Italian					T2
Spanish					T3
French					T4
<b>Additional tag plate</b>					
Tag plate made from stainless steel (4 lines with 30 characters each)					I1
Measuring point tag laser-printed onto stainless steel plate					I2
Measuring point, certification and tag plate made from stainless steel					I3



Additional ordering information for model 266ADT	XX	XX	XX	XX
<b>Configuration (units for tag plate name)</b>				
Standard pressure = in. H2O / psi at 68 °F	N2			
Standard pressure = in. H2O / psi at 39.2 °F	N3			
Standard pressure = in. H2O / psi at 20 °C	N4			
Standard pressure = in. H2O / psi at 4 °C	N5			
Customer-specific	N6			
<b>Certificates</b>				
Inspection certificate 3.1 to EN 10204 for calibration		C1		
Inspection certificate 3.1 to EN 10204 for cleaning stage	(Note: 2)	C3		
Inspection certificate 3.1 to EN 10204 for helium leakage test of measuring chamber		C4		
Inspection certificate 3.1 to EN 10204 for pressure test		C5		
Declaration of compliance 2.1 to EN 10204 for device design		C6		
Calibration log separate		CC		
With device data log		CG		
PMI test of parts that come into contact with fluid		CT		
<b>Approvals</b>				
GOST Russia - without Ex			Y1	
GOST Kazakhstan - without Ex			Y2	
GOST Ukraine - without Ex			Y3	
GOST Belarus - without Ex			Y4	
<b>Material certification</b>				
Declaration of compliance 2.1 to EN 10204 for materials of parts that come into contact with fluid				H1
Inspection certificate 3.1 to EN 10204 for pressure-bearing parts and parts that come into contact with fluid, with analysis reports as evidence of material used	(Note: 3)			H3
Declaration of compliance 2.2 to EN 10204 for pressure-bearing parts and parts that come into contact with fluid				H4

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

Additional ordering information for model 266ADT		XX	XX
<b>Plug connector</b>			
Fieldbus 7/8 in. (recommended for FOUNDATION fieldbus, supplied loose, without mating plug)		U1	
Fieldbus M12 x 1 (recommended for PROFIBUS PA, supplied loose, without mating plug)		U2	
Harting Han 8D (8U), straight entry		U3	
Harting Han 8D (8U), angle entry		U4	
Harting Han 7D		U5	
Harting HAN 8D (8U), for four-wire accessory unit		U6	
Harting HAN 7D, for four-wire accessory unit		U7	
With cable gland M20 x 1.5		U8	
<b>Housing accessories</b>			
Four-wire accessory unit: power supply 24 V UC / output signal 0 ... 20 mA	(Note: 4)		A4
Four-wire accessory unit: power supply 24 V UC / output signal 4 ... 20 mA	(Note: 4)		A6
Four-wire accessory unit: power supply 230 V AC / output signal 0 ... 20 mA	(Note: 4)		A5
Four-wire accessory unit: power supply 230 V AC / output signal 4 ... 20 mA	(Note: 4)		A7
<b>Diaphragm seal type, high pressure side</b>			
The ordering information for the various diaphragm seal models is listed after the transmitter information, in the last section of the document.			

- Note 1: Select plug connector with additional order code  
 Note 2: Only available with special option code W16  
 Note 3: Small parts with declaration of compliance according to EN 10204  
 Note 4: Only available with housing material / electrical connection code B (barrel housing)

### Standard delivery scope (changes possible with additional ordering code)

- For standard applications (without explosion protection)
- No display, no surge protection
- Multilanguage short-form operating instruction and English labeling
- Configuration with kPa and °C units
- No test, inspection, or material certificates

**Basic ordering information model S26FA ASME diaphragm seal with fixed flange**

Select one character or set of characters from each category and specify complete catalog number.

<b>Base model</b> – 1 <sup>st</sup> to 5 <sup>th</sup> characters	S26FA	X	XX	X	X	XX	X	X	X	X	X	X	X	X
ASME diaphragm seal with fixed flange														
<b>Transmitter Side of Connection</b> – 6 <sup>th</sup> character														
High pressure side		H												
Low pressure side		L												
<b>Mounting Flange Rating / Size</b> – 7 <sup>th</sup> and 8 <sup>th</sup> character														
ASME CL 150 / 2 in.						E1								
ASME CL 300 / 2 in.						E2								
ASME CL 600 / 2 in.						E3								
ASME CL 150 / 3 in.						G1								
ASME CL 300 / 3 in.						G2								
ASME CL 600 / 3 in.						G3								
ASME CL 150 / 4 in.						H1								
<b>Mounting Flange Material</b> – 9 <sup>th</sup> character														
AISI 316L SST							S							
<b>Extensions Length / Material</b> – 10 <sup>th</sup> character														
Flush								F						
<b>Diaphragm Material</b> – 11 <sup>th</sup> and 12 <sup>th</sup> character														
AISI 316L SST														SM
AISI 316L SST / Low thickness														SL
Hastelloy C-276														HM
Hastelloy C-276 / Low thickness														HL
Hastelloy C-2000														MM
Inconel 625														LM
Tantalum														TM
<b>Seal Surface Finish</b> – 13 <sup>th</sup> character														
Smooth														2
Serrated														1
<b>Capillary Protection</b> – 14 <sup>th</sup> character														
AISI 316L SST armour														A
AISI 316L SST armour with PVC protective cover														B
Extension tube for direct mount seal														N

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

Basic ordering information model S26FA ASME diaphragm seal with fixed flange		X	X	X	X	X
<b>Capillary Length</b> – 15 <sup>th</sup> character						
Direct-mount construction		1				
1 m (3 ft)		A				
1.5 m (5 ft)		B				
2 m (7 ft)		C				
2.5 m (8 ft)		D				
3 m (10 ft)		E				
3.5 m (12 ft)		F				
4 m (13 ft)		G				
4.5 m (15 ft)		H				
5 m (17 ft)		J				
5.5 m (18 ft)		K				
6 m (20 ft)		L				
6.5 m (22 ft)		M				
7 m (23.5 ft)		N				
7.5 m (25 ft)		P				
8 m (27 ft)		Q				
9 m (30 ft)		R				
10 m (33 ft)		S				
12 m (40 ft)		T				
14 m (47 ft)		U				
16 m (53 ft)		V				
<b>Fill Fluid</b> – 16 <sup>th</sup> character						
Silicone oil			S			
Baysilone			P			
Inert fluid - Galden	(Note: 1)		N			
Inert fluid - Halocarbon	(Note: 1)		D			
Silicone oil for high temperature (DC704)			G			
Silicone polymer for low temperature			C			
Mineral oil (FDA approved)	(Note: 2)		W			
Vegetable oil (FDA-approved)	(Note: 2)		A			
Glycerine water (FDA approved)	(Note: 2)		B			

Basic ordering information model S26FA ASME diaphragm seal with fixed flange		X	X	X
<b>Flushing Ring Hole / Thread</b> – 17 <sup>th</sup> character				
None		N		
1-hole / 1/2 in. NPT		2		
2-holes / 1/2 in. NPT		3		
1-hole / 1/4 in. NPT		4		
2-holes / 1/4 in. NPT		5		
<b>Flushing Ring Material</b> – 18 <sup>th</sup> character				
None				N
AISI 316L SST	NACE			A
Hastelloy C-276	NACE			H
<b>Flushing Ring Plug / Gasket</b> – 19 <sup>th</sup> character				
No plug / No gasket				N
No plug / Garlock				A
No plug / PTFE				B
No plug / Graphite				C
AISI 316L SST / No gasket				D
AISI 316L SST / Garlock				E
AISI 316L SST / PTFE				F
AISI 316L SST / Graphite				G
Hastelloy C-276 / No gasket				H
Hastelloy C-276 / Garlock				L
Hastelloy C-276 / PTFE				M
Hastelloy C-276 / Graphite				P

Note 1: Suitable for Oxygen Applications

Note 2: Suitable for Food Applications

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

### Basic ordering information model S26FE EN diaphragm seal with fixed flange

Select one character or set of characters from each category and specify complete catalog number.

Base model – 1 <sup>st</sup> to 5 <sup>th</sup> characters	S26FE	X	XX	X	X	XX	X	X	X	X	X	X	X	X
EN diaphragm seal with fixed flange														
<b>Transmitter Side of Connection</b> – 6 <sup>th</sup> character														
High pressure side		H												
Low pressure side		L												
<b>Mounting Flange Rating / Size</b> – 7 <sup>th</sup> and 8 <sup>th</sup> character														
EN 1092-1 16 bar / DN 50			N1											
EN 1092-1 40 bar / DN 50			N2											
EN 1092-1 63 bar / DN 50			N3											
EN 1092-1 100 bar / DN 50			N4											
EN 1092-1 16 bar / DN 80			P1											
EN 1092-1 40 bar / DN 80			P2											
EN 1092-1 63 bar / DN 80			P3											
EN 1092-1 100 bar / DN 80			P4											
EN 1092-1 16 bar / DN 100			Q1											
<b>Mounting Flange Material</b> – 9 <sup>th</sup> character														
AISI 316L SST						S								
<b>Extensions Length / Material</b> – 10 <sup>th</sup> character														
Flush								F						
<b>Diaphragm Material</b> – 11 <sup>th</sup> and 12 <sup>th</sup> character														
AISI 316L SST	NACE												SM	
AISI 316L SST / Low thickness	NACE												SL	
Hastelloy C-276	NACE												HM	
Hastelloy C-276 / Low thickness	NACE												HL	
Hastelloy C-2000	NACE												MM	
Inconel 625	NACE												LM	
Tantalum	NACE												TM	
<b>Seal Surface Finish</b> – 13 <sup>th</sup> character														
Serrated														1
Smooth														2
Form E - Spigot type														4
Form D - Groove type														6
<b>Capillary Protection</b> – 14 <sup>th</sup> character														
AISI 316L SST armour														A
AISI 316L SST armour with PVC protective cover														B
Extension tube for direct mount seal														N

Basic ordering information model S26FE EN diaphragm seal with fixed flange		X	X	X	X	X
<b>Capillary Length</b> – 15 <sup>th</sup> character						
Direct-mount construction		1				
1 m (3 ft)		A				
1.5 m (5 ft)		B				
2 m (7 ft)		C				
2.5 m (8 ft)		D				
3 m (10 ft)		E				
3.5 m (12 ft)		F				
4 m (13 ft)		G				
4.5 m (15 ft)		H				
5 m (17 ft)		J				
5.5 m (18 ft)		K				
6 m (20 ft)		L				
6.5 m (22 ft)		M				
7 m (23.5 ft)		N				
7.5 m (25 ft)		P				
8 m (27 ft)		Q				
9 m (30 ft)		R				
10 m (33 ft)		S				
12 m (40 ft)		T				
14 m (47 ft)		U				
16 m (53 ft)		V				
<b>Fill Fluid</b> – 16 <sup>th</sup> character						
Silicone oil			S			
Baysilone			P			
Inert fluid - Galden	(Note: 1)		N			
Inert fluid - Halocarbon	(Note: 1)		D			
Silicone oil for high temperature (DC704)			G			
Silicone polymer for low temperature			C			
Mineral oil (FDA approved)	(Note: 2)		W			
Vegetable oil (FDA approved)	(Note: 2)		A			
Glycerine water (FDA approved)	(Note: 2)		B			

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

Basic ordering information model S26FE EN diaphragm seal with fixed flange	X	X	X
<b>Flushing Ring Hole / Thread</b> – 17 <sup>th</sup> character			
None	N		
1-hole / 1/2 in. NPT	2		
2-holes / 1/2 in. NPT	3		
1-hole / 1/4 in. NPT	4		
2-holes / 1/4 in. NPT	5		
<b>Flushing Ring Material</b> – 18 <sup>th</sup> character			
None		N	
AISI 316L SST	NACE	A	
Hastelloy C-276	NACE	H	
<b>Flushing Ring Plug / Gasket</b> – 19 <sup>th</sup> character			
No plug / No gasket			N
No plug / Garlock			A
No plug / PTFE			B
No plug / Graphite			C
AISI 316L SST / No gasket			D
AISI 316L SST / Garlock			E
AISI 316L SST / PTFE			F
AISI 316L SST / Graphite			G
Hastelloy C-276 / No gasket			H
Hastelloy C-276 / Garlock			L
Hastelloy C-276 / PTFE			M
Hastelloy C-276 / Graphite			P

Note 1: Suitable for Oxygen Applications

Note 2: Suitable for Food Applications



**Basic ordering information model S26RA ASME diaphragm seal with rotating flange**

Select one character or set of characters from each category and specify complete catalog number.

<b>Base model</b> – 1 <sup>st</sup> to 5 <sup>th</sup> characters	S26RA	X	XX	X	X	XX	X	X	X	X	X	X	X	
ASME diaphragm seal with rotating flange														
<b>Transmitter Side of Connection</b> – 6 <sup>th</sup> character														
High pressure side		H												
Low pressure side		L												
<b>Mounting Flange Rating / Size</b> – 7 <sup>th</sup> and 8 <sup>th</sup> character														
ASME CL 150 / 2 in.						E1								
ASME CL 300 / 2 in.						E2								
ASME CL 600 / 2 in.						E3								
ASME CL 900 / 1500 // 2 in.						E5								
ASME CL 150 / 3 in.						G1								
ASME CL 300 / 3 in.						G2								
ASME CL 600 / 3 in.						G3								
ASME CL 900 / 3 in.						G4								
ASME CL 1500 / 3 in.						G5								
ASME CL 150 / 4 in.						H1								
ASME CL 300 / 4 in.						H2								
<b>Mounting Flange Material</b> – 9 <sup>th</sup> character														
Carbon steel							C							
AISI 316 SST							S							
<b>Extensions Length / Material</b> – 10 <sup>th</sup> character														
Flush								F						
50 mm (2 in.) / AISI 316L SST									1					
50 mm (2 in.) / Hastelloy C-276										2				
100 mm (4 in.) / AISI 316L SST											3			
100 mm (4 in.) / Hastelloy C-276												4		
150 mm (6 in.) / AISI 316L SST													5	
150 mm (6 in.) / Hastelloy C-276														6
<b>Diaphragm Material</b> – 11 <sup>th</sup> and 12 <sup>th</sup> character														
AISI 316L SST						NACE						SM		
AISI 316L SST / Low thickness						NACE						SL		
Hastelloy C-276						NACE						HM		
Hastelloy C-276 / Low thickness						NACE						HL		
Hastelloy C-2000						NACE						MM		
Inconel 625						NACE						LM		
Tantalum												TM		
AISI 316L SST gold-plated						NACE						NM		
AISI 316L SST with PFA anti-stick coating						NACE						KM		
Hastelloy C-276 with PFA anti-stick coating						NACE						YM		
AISI 316L SST with PFA anti-corrosion and anti-stick coating						NACE						WM		
Diaflex (AISI with anti-abrasion treatment)						NACE						FM		
Superduplex SST (UNS S32750 to ASTM SA479)						NACE						EM		

Model 266MDT Differential  
 Model 266GDT Gauge  
 Model 266ADT Absolute

Basic ordering information model S26RA ASME diaphragm seal with rotating flange	X	X	X	X	X	X	X
<b>Seal Surface Finish</b> – 13 <sup>th</sup> character							
Smooth	2						
Serrated	1						
<b>Capillary Protection</b> – 14 <sup>th</sup> character							
AISI 316L SST armour		A					
AISI 316L SST armour with PVC protective cover		B					
Extension tube for direct mount seal		N					
<b>Capillary Length</b> – 15 <sup>th</sup> character							
Direct-mount construction			1				
1 m (3 ft)			A				
1.5 m (5 ft)			B				
2 m (7 ft)			C				
2.5 m (8 ft)			D				
3 m (10 ft)			E				
3.5 m (12 ft)			F				
4 m (13 ft)			G				
4.5 m (15 ft)			H				
5 m (17 ft)			J				
5.5 m (18 ft)			K				
6 m (20 ft)			L				
6.5 m (22 ft)			M				
7 m (23.5 ft)			N				
7.5 m (25 ft)			P				
8 m (27 ft)			Q				
9 m (30 ft)			R				
10 m (33 ft)			S				
12 m (40 ft)			T				
14 m (47 ft)			U				
16 m (53 ft)			V				

Basic ordering information model S26RA ASME diaphragm seal with rotating flange		X	X	X	X
<b>Fill Fluid</b> – 16 <sup>th</sup> character					
Silicone oil		S			
Baysilone		P			
Inert fluid - Galden	(Note: 1)	N			
Inert fluid - Halocarbon	(Note: 1)	D			
Silicone oil for high temperature (DC704)		G			
Silicone polymer for low temperature		C			
Mineral oil (FDA approved)	(Note: 2)	W			
Vegetable oil (FDA approved)	(Note: 2)	A			
Glycerine water (FDA approved)	(Note: 2)	B			
<b>Flushing Ring Hole / Thread</b> – 17 <sup>th</sup> character					
None				N	
1-hole / 1/2 in. NPT				2	
2-holes / 1/2 in. NPT				3	
1-hole / 1/4 in. NPT				4	
2-holes / 1/4 in. NPT				5	
<b>Flushing Ring Material</b> – 18 <sup>th</sup> character					
None					N
AISI 316L SST		NACE			A
Hastelloy C-276		NACE			H
<b>Flushing Ring Plug / Gasket</b> – 19 <sup>th</sup> character					
No plug / No gasket					N
No plug / Garlock					A
No plug / PTFE					B
No plug / Graphite					C
AISI 316L SST / No gasket					D
AISI 316L SST / Garlock					E
AISI 316L SST / PTFE					F
AISI 316L SST / Graphite					G
Hastelloy C-276 / No gasket					H
Hastelloy C-276 / Garlock					L
Hastelloy C-276 / PTFE					M
Hastelloy C-276 / Graphite					P

Note 1: Suitable for Oxygen Applications

Note 2: Suitable for Food Applications

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

### Basic ordering information model S26RE EN diaphragm seal with rotating flange

Select one character or set of characters from each category and specify complete catalog number.

<b>Base model</b> – 1 <sup>st</sup> to 5 <sup>th</sup> characters	S26RE	X	XX	X	X	XX	X	X	X	X	X	X	X	X
EN diaphragm seal with rotating flange														
<b>Transmitter Side of Connection</b> – 6 <sup>th</sup> character														
High pressure side		H												
Low pressure side		L												
<b>Mounting Flange Rating / Size</b> – 7 <sup>th</sup> and 8 <sup>th</sup> character														
EN 1092-1 16 / 40 bar // DN 50			N2											
EN 1092-1 63 bar / DN 50			N3											
EN 1092-1 100 bar / DN 50			N4											
EN 1092-1 16 bar / DN 80			P1											
EN 1092-1 40 bar / DN 80			P2											
EN 1092-1 63 bar / DN 80			P3											
EN 1092-1 100 bar / DN 80			P4											
EN 1092-1 16 bar / DN 100			Q1											
EN 1092-1 40 bar / DN 100			Q2											
<b>Mounting Flange Material</b> – 9 <sup>th</sup> character														
Carbon steel						C								
AISI 316 SST						S								
<b>Extensions Length / Material</b> – 10 <sup>th</sup> character														
Flush							F							
50 mm (2 in.) / AISI 316L SST								1						
50 mm (2 in.) / Hastelloy C-276									2					
100 mm (4 in.) / AISI 316L SST										3				
100 mm (4 in.) / Hastelloy C-276											4			
150 mm (6 in.) / AISI 316L SST												5		
150 mm (6 in.) / Hastelloy C-276													6	
<b>Diaphragm Material</b> – 11 <sup>th</sup> and 12 <sup>th</sup> character														
AISI 316L SST			NACE										SM	
AISI 316L SST / Low thickness			NACE											SL
Hastelloy C-276			NACE											HM
Hastelloy C-276 / Low thickness			NACE											HL
Hastelloy C-2000			NACE											MM
Inconel 625			NACE											LM
Tantalum														TM
AISI 316L SST gold-plated			NACE											NM
AISI 316L SST with PFA anti-stick coating			NACE											KM
Hastelloy C-276 with PFA anti-stick coating			NACE											YM
AISI 316L SST with PFA anti-corrosion and anti-stick coating			NACE											WM
Diaflex (AISI with anti-abrasion treatment)			NACE											FM
Superduplex SST (UNS S32750 to ASTM SA479)			NACE											EM

Basic ordering information model S26RE EN diaphragm seal with rotating flange		X	X	X	X	X	X	X
<b>Seal Surface Finish</b> – 13 <sup>th</sup> character								
Smooth		2						
Serrated		1						
<b>Capillary Protection</b> – 14 <sup>th</sup> character								
AISI 316L SST armour			A					
AISI 316L SST armour with PVC protective cover			B					
Extension tube for direct mount seal			N					
<b>Capillary Length</b> – 15 <sup>th</sup> character								
Direct-mount construction				1				
1 m (3 ft)				A				
1.5 m (5 ft)				B				
2 m (7 ft)				C				
2.5 m (8 ft)				D				
3 m (10 ft)				E				
3.5 m (12 ft)				F				
4 m (13 ft)				G				
4.5 m (15 ft)				H				
5 m (17 ft)				J				
5.5 m (18 ft)				K				
6 m (20 ft)				L				
6.5 m (22 ft)				M				
7 m (23.5 ft)				N				
7.5 m (25 ft)				P				
8 m (27 ft)				Q				
9 m (30 ft)				R				
10 m (33 ft)				S				
12 m (40 ft)				T				
14 m (47 ft)				U				
16 m (53 ft)				V				

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

Basic ordering information model S26RE EN diaphragm seal with rotating flange		X	X	X	X
<b>Fill Fluid</b> – 16 <sup>th</sup> character					
Silicone oil		S			
Baysilone		P			
Inert fluid - Galden	(Note: 1)	N			
Inert fluid - Halocarbon	(Note: 1)	D			
Silicone oil for high temperature (DC704)		G			
Silicone polymer for low temperature		C			
Mineral oil (FDA approved)	(Note: 2)	W			
Vegetable oil (FDA approved)	(Note: 2)	A			
Glycerine water (FDA approved)	(Note: 2)	B			
<b>Flushing Ring Hole / Thread</b> – 17 <sup>th</sup> character					
None				N	
1-hole / 1/2 in. NPT				2	
2-holes / 1/2 in. NPT				3	
1-hole / 1/4 in. NPT				4	
2-holes / 1/4 in. NPT				5	
<b>Flushing Ring Material</b> – 18 <sup>th</sup> character					
None					N
AISI 316L SST		NACE			A
Hastelloy C-276		NACE			H
<b>Flushing Ring Plug / Gasket</b> – 19 <sup>th</sup> character					
No plug / No gasket					N
No plug / Garlock					A
No plug / PTFE					B
No plug / Graphite					C
AISI 316L SST / No gasket					D
AISI 316L SST / Garlock					E
AISI 316L SST / PTFE					F
AISI 316L SST / Graphite					G
Hastelloy C-276 / No gasket					H
Hastelloy C-276 / Garlock					L
Hastelloy C-276 / PTFE					M
Hastelloy C-276 / Graphite					P

Note 1: Suitable for Oxygen Applications

Note 2: Suitable for Food Applications

**Basic ordering information model S26RJ JIS diaphragm seal with rotating flange**

Select one character or set of characters from each category and specify complete catalog number.

<b>Base model</b> – 1 <sup>st</sup> to 5 <sup>th</sup> characters	S26RJ	X	XX	X	X	XX	X	X	X	X	X	X	X	X
JIS diaphragm seal with rotating flange														
<b>Transmitter Side of Connection</b> – 6 <sup>th</sup> character														
High pressure side		H												
Low pressure side		L												
<b>Mounting Flange Rating</b> – 7 <sup>th</sup> and 8 <sup>th</sup> character														
10K A50			B2											
20K A50			B4											
40K A50			B6											
10K A80			C2											
20K A80			C4											
40K A80			C6											
10K A100			D2											
20K A100			D4											
<b>Mounting Flange Material</b> – 9 <sup>th</sup> character														
Carbon steel				C										
AISI 316 SST				S										
<b>Extensions Length / Material</b> – 10 <sup>th</sup> character														
Flush					F									
<b>Diaphragm Material</b> – 11 <sup>th</sup> and 12 <sup>th</sup> character														
Superduplex SST (UNS S32750 to ASTM SA479)												EM		
Hastelloy C-276												HM		
AISI 316L SST with PFA anti-stick coating												KM		
Inconel 625												LM		
Hastelloy C-2000												MM		
AISI 316L SST												SM		
Tantalum												TM		
AISI 316L SST with PFA anti-corrosion and anti-stick coating												WM		
Hastelloy C-276 with PFA anti-stick coating												YM		
AISI 316L SST gold-plated												NM		

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

Basic ordering information model S26RJ JIS diaphragm seal with rotating flange	X	X	X	X	X	X	X
<b>Seal Surface Finish</b> – 13 <sup>th</sup> character							
Serrated	1						
Smooth	2						
<b>Capillary Protection</b> – 14 <sup>th</sup> character							
AISI 316L SST armour						A	
AISI 316L SST armour with PVC protective cover						B	
Extension tube for direct mount seal						N	
<b>Capillary Length</b> – 15 <sup>th</sup> character							
Direct-mount construction						1	
1 m (3 ft)						A	
1.5 m (5 ft)						B	
2 m (7 ft)						C	
2.5 m (8 ft)						D	
3 m (10 ft)						E	
3.5 m (12 ft)						F	
4 m (13 ft)						G	
4.5 m (15 ft)						H	
5 m (17 ft)						J	
5.5 m (18 ft)						K	
6 m (20 ft)						L	
6.5 m (22 ft)						M	
7 m (23.5 ft)						N	
7.5 m (25 ft)						P	
8 m (27 ft)						Q	
9 m (30 ft)						R	
10 m (33 ft)						S	
12 m (40 ft)						T	
14 m (47 ft)						U	
16 m (53 ft)						V	



Basic ordering information model S26RJ JIS diaphragm seal with rotating flange		X	X	X	X
<b>Fill Fluid</b> – 16 <sup>th</sup> character					
Silicone oil		S			
Baysilone		P			
Inert fluid - Galden	(Note: 1)	N			
Inert fluid - Halocarbon	(Note: 1)	D			
Silicone oil for high temperature (DC704)		G			
Silicone polymer for low temperature		C			
Mineral oil (FDA approved)	(Note: 2)	W			
Vegetable oil (FDA approved)	(Note: 2)	A			
Glycerine water (FDA approved)	(Note: 2)	B			
<b>Flushing Ring Hole / Thread</b> – 17 <sup>th</sup> character					
None				N	
<b>Flushing Ring Material</b> – 18 <sup>th</sup> character					
None					N
<b>Flushing Ring Plug / Gasket</b> – 19 <sup>th</sup> character					
No plug / No gasket					N

Note 1: Suitable for Oxygen Applications  
Note 2: Suitable for Food Applications

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

### Basic ordering information model S26RR ASME Ring Joint connection flanged diaphragm seal

Select one character or set of characters from each category and specify complete catalog number.

<b>Base model</b> – 1 <sup>st</sup> to 5 <sup>th</sup> characters	S26RR	X	XX	X	X	XX	X	X	X	X	X	X	X	X
ASME diaphragm seal with rotating flange, ring joint														
<b>Transmitter Side of Connection</b> – 6 <sup>th</sup> character														
High pressure side	H													
Low pressure side	L													
<b>Mounting Flange Rating / Size</b> – 7 <sup>th</sup> and 8 <sup>th</sup> character														
ASME CL 150 / 1-1/2 in.	D1													
ASME CL 300 / 1-1/2 in.	D2													
ASME CL 600 / 1-1/2 in.	D3													
ASME CL 900 / 1500 // 1-1/2 in.	D5													
ASME CL 2500 / 1-1/2 in.	D6													
ASME CL 150 / 2 in.	E1													
ASME CL 300 / 2 in.	E2													
ASME CL 600 / 2 in.	E3													
ASME CL 900 / 1500 // 2 in.	E5													
ASME CL 2500 / 2 in.	E6													
ASME CL 150 / 3 in.	G1													
ASME CL 300 / 3 in.	G2													
ASME CL 600 / 3 in.	G3													
ASME CL 900 / 3 in.	G4													
ASME CL 1500 / 3 in.	G5													
ASME CL 2500 / 3 in.	G6													
<b>Mounting Flange Material</b> – 9 <sup>th</sup> character														
Carbon steel	C													
AISI 316 SST	S													
<b>Extensions Length / Material</b> – 10 <sup>th</sup> character														
Flush	F													
<b>Diaphragm Material</b> – 11 <sup>th</sup> and 12 <sup>th</sup> character														
AISI 316L SST	NACE											SM		
Hastelloy C-276	NACE											HM		
Inconel 625	NACE											LM		

Basic ordering information model S26RR ASME Ring Joint connection flanged diaphragm seal		X	X	X	X	X	X	X
<b>Seal Surface Finish</b> – 13 <sup>th</sup> character								
Ring joint	3							
<b>Capillary Protection</b> – 14 <sup>th</sup> character								
AISI 316L SST armour		A						
AISI 316L SST armour with PVC protective cover		B						
Extension tube for direct mount seal		N						
<b>Capillary Length</b> – 15 <sup>th</sup> character								
Direct-mount construction		1						
1 m (3 ft)		A						
1.5 m (5 ft)		B						
2 m (7 ft)		C						
2.5 m (8 ft)		D						
3 m (10 ft)		E						
3.5 m (12 ft)		F						
4 m (13 ft)		G						
4.5 m (15 ft)		H						
5 m (17 ft)		J						
5.5 m (18 ft)		K						
6 m (20 ft)		L						
6.5 m (22 ft)		M						
7 m (23.5 ft)		N						
7.5 m (25 ft)		P						
8 m (27 ft)		Q						
9 m (30 ft)		R						
10 m (33 ft)		S						
12 m (40 ft)		T						
14 m (47 ft)		U						
16 m (53 ft)		V						

Model 266MDT Differential  
 Model 266GDT Gauge  
 Model 266ADT Absolute

Basic ordering information model S26RR ASME Ring Joint connection flanged diaphragm seal		X	X	X	X
<b>Fill Fluid</b> – 16 <sup>th</sup> character					
Silicone oil		S			
Baysilone		P			
Inert fluid - Galden	(Note: 1)	N			
Inert fluid - Halocarbon	(Note: 1)	D			
Silicone oil for high temperature (DC704)		G			
Silicone polymer for low temperature		C			
Mineral oil (FDA approved)	(Note: 2)	W			
Vegetable oil (FDA approved)	(Note: 2)	A			
Glycerine water (FDA approved)	(Note: 2)	B			
<b>Flushing Ring Hole / Thread</b> – 17 <sup>th</sup> character					
None				N	
<b>Flushing Ring Material</b> – 18 <sup>th</sup> character					
None					N
<b>Flushing Ring Plug / Gasket</b> – 19 <sup>th</sup> character					
No plug / No gasket					N
Note 1:	Suitable for Oxygen Applications				
Note 2:	Suitable for Food Applications				

**Basic ordering information model S26TT Off-line threaded diaphragm seal**

Select one character or set of characters from each category and specify complete catalog number.

<b>Base model</b> – 1 <sup>st</sup> to 5 <sup>th</sup> characters	S26TT	X	X	X	X	XX	X	X	X	X	X
Off-line threaded diaphragm seal											
<b>Transmitter Side of Connection</b> – 6 <sup>th</sup> character											
High pressure side		H									
Low pressure side		L									
<b>Mounting Flange Size</b> – 7 <sup>th</sup> character											
1/4 in. NPT-f						1					
1/2 in. NPT-f						2					
3/4 in. NPT-f						3					
1 in. NPT-f						4					
1-1/2 in. NPT-f						5					
<b>Bolts</b> – 8 <sup>th</sup> character											
AISI 316 SST						1					
Carbon steel						2					
Alloy steel	NACE					3					
<b>Mounting Flange Material</b> – 9 <sup>th</sup> character											
AISI 316L SST	NACE						S				
Hastelloy C-276	NACE						H				
<b>Diaphragm Material</b> – 10 <sup>th</sup> and 11 <sup>th</sup> character											
AISI 316L SST	NACE							SM			
Hastelloy C-276	NACE							HM			
Hastelloy C-2000	NACE							MM			
Inconel 625	NACE							LM			
Tantalum								TM			
AISI 316L SST gold-plated								NM			
<b>Capillary Protection</b> – 12 <sup>th</sup> character											
AISI 316L SST armour									A		
AISI 316L SST armour with PVC protective cover									B		
Extension tube for direct mount seal									N		

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

Basic ordering information model S26TT Off-line threaded diaphragm seal		X	X	X	X
<b>Capillary Length</b> – 13 <sup>th</sup> character					
Direct-mount construction		1			
1 m (3 ft)		A			
1.5 m (5 ft)		B			
2 m (7 ft)		C			
2.5 m (8 ft)		D			
3 m (10 ft)		E			
3.5 m (12 ft)		F			
4 m (13 ft)		G			
4.5 m (15 ft)		H			
5 m (17 ft)		J			
5.5 m (18 ft)		K			
6 m (20 ft)		L			
6.5 m (22 ft)		M			
7 m (23.5 ft)		N			
7.5 m (25 ft)		P			
8 m (27 ft)		Q			
9 m (30 ft)		R			
<b>Fill Fluid</b> – 14 <sup>th</sup> character					
Silicone oil			S		
Baysilone			P		
Inert fluid - Galden	(Note: 1)		N		
Inert fluid - Halocarbon	(Note: 1)		D		
Silicone oil for high temperature (DC704)			G		
Silicone polymer for low temperature			C		
Mineral oil (FDA approved)	(Note: 2)		W		
Vegetable oil (FDA approved)	(Note: 2)		A		
Glycerine water (FDA approved)	(Note: 2)		B		
<b>Flushing Connections</b> – 15 <sup>th</sup> character					
Without				1	
Provided				Q	
<b>Gasket</b> – 16 <sup>th</sup> character					
PTFE					2
Viton					3
Graphite					7

Note 1: Suitable for Oxygen Applications

Note 2: Suitable for Food Applications

**Basic ordering information model S26MA ASME Off-line flanged diaphragm seal**

Select one character or set of characters from each category and specify complete catalog number.

Base model – 1 <sup>st</sup> to 5 <sup>th</sup> characters	S26MA	X	XX	X	XX	X	X	X	X	X
ASME-off-line flanged diaphragm seal										
<b>Transmitter Side of Connection</b> – 6 <sup>th</sup> character										
High pressure side		H								
Low pressure side		L								
<b>Mounting Flange Rating / Size</b> – 7 <sup>th</sup> and 8 <sup>th</sup> character										
ASME CL 150 / 1/2 in.					A1					
ASME CL 300 / 1/2 in.					A2					
ASME CL 150 / 1 in.					C1					
ASME CL 300 / 1 in.					C2					
ASME CL 150 / 1-1/2 in.					D1					
ASME CL 300 / 1-1/2 in.					D2					
<b>Mounting Flange Material</b> – 9 <sup>th</sup> character										
AISI 316L SST	NACE				S					
Hastelloy C-276	NACE				H					
<b>Diaphragm Material</b> – 10 <sup>th</sup> and 11 <sup>th</sup> character										
AISI 316L SST	NACE					SM				
Hastelloy C-276	NACE					HM				
Hastelloy C-2000	NACE					MM				
Inconel 625	NACE					LM				
Tantalum						TM				
AISI 316L SST gold-plated						NM				
<b>Capillary Protection</b> – 12 <sup>th</sup> character										
AISI 316L SST armour							A			
AISI 316L SST armour with PVC protective cover							B			
Extension tube for direct mount seal							N			

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

Basic ordering information model S26MA ASME Off-line flanged diaphragm seal		X	X	X	X
<b>Capillary Length</b> – 13 <sup>th</sup> character					
Direct-mount construction		1			
1 m (3 ft)		A			
1.5 m (5 ft)		B			
2 m (7 ft)		C			
2.5 m (8 ft)		D			
3 m (10 ft)		E			
3.5 m (12 ft)		F			
4 m (13 ft)		G			
4.5 m (15 ft)		H			
5 m (17 ft)		J			
5.5 m (18 ft)		K			
6 m (20 ft)		L			
6.5 m (22 ft)		M			
7 m (23.5 ft)		N			
7.5 m (25 ft)		P			
8 m (27 ft)		Q			
9 m (30 ft)		R			
10 m (33 ft)		S			
12 m (40 ft)		T			
<b>Fill Fluid</b> – 14 <sup>th</sup> character					
Silicone oil				S	
Baysilone				P	
Inert fluid - Galden	(Note: 1)			N	
Inert fluid - Halocarbon	(Note: 1)			D	
Silicone oil for high temperature (DC704)				G	
Silicone polymer for low temperature				C	
Mineral oil (FDA approved)	(Note: 2)			W	
Vegetable oil (FDA approved)	(Note: 2)			A	
Glycerine water (FDA approved)	(Note: 2)			B	
<b>Flushing Connections</b> – 15 <sup>th</sup> character					
Without					1
Provided					Q
<b>Gasket</b> – 16 <sup>th</sup> character					
PTFE					2
Viton					3
Graphite					7

Note 1: Suitable for Oxygen Applications

Note 2: Suitable for Food Applications



**Basic ordering information model S26ME EN Off-line flanged diaphragm seal**

Select one character or set of characters from each category and specify complete catalog number.

Base model – 1 <sup>st</sup> to 5 <sup>th</sup> characters	S26ME	X	XX	X	XX	X	X	X	X	X
EN-off-line flanged diaphragm seal										
<b>Transmitter Side of Connection</b> – 6 <sup>th</sup> character										
High pressure side		H								
Low pressure side		L								
<b>Mounting Flange Rating / Size</b> – 7 <sup>th</sup> and 8 <sup>th</sup> character										
EN 1092-1 16 / 40 bar // DN 25				L2						
EN 1092-1 16 / 40 bar // DN 40				M2						
<b>Mounting Flange Material</b> – 9 <sup>th</sup> character										
AISI 316L SST	NACE				S					
Hastelloy C-276	NACE				H					
<b>Diaphragm Material</b> – 10 <sup>th</sup> and 11 <sup>th</sup> character										
AISI 316L SST	NACE					SM				
Hastelloy C-276	NACE					HM				
Hastelloy C-2000	NACE					MM				
Inconel 625	NACE					LM				
Tantalum						TM				
AISI 316L SST gold-plated						NM				
<b>Capillary Protection</b> – 12 <sup>th</sup> character										
AISI 316L SST armour							A			
AISI 316L SST armour with PVC protective cover							B			
Extension tube for direct mount seal							N			

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

Basic ordering information model S26ME EN Off-line flanged diaphragm seal		X	X	X	X
<b>Capillary Length</b> – 13 <sup>th</sup> character					
Direct-mount construction		1			
1 m (3 ft)		A			
1.5 m (5 ft)		B			
2 m (7 ft)		C			
2.5 m (8 ft)		D			
3 m (10 ft)		E			
3.5 m (12 ft)		F			
4 m (13 ft)		G			
4.5 m (15 ft)		H			
5 m (17 ft)		J			
5.5 m (18 ft)		K			
6 m (20 ft)		L			
6.5 m (22 ft)		M			
7 m (23.5 ft)		N			
7.5 m (25 ft)		P			
8 m (27 ft)		Q			
9 m (30 ft)		R			
10 m (33 ft)		S			
12 m (40 ft)		T			
<b>Fill Fluid</b> – 14 <sup>th</sup> character					
Silicone oil			S		
Baysilone			P		
Inert fluid - Galden	(Note: 1)		N		
Inert fluid - Halocarbon	(Note: 1)		D		
Silicone oil for high temperature (DC704)			G		
Silicone polymer for low temperature			C		
Mineral oil (FDA approved)	(Note: 2)		W		
Vegetable oil (FDA approved)	(Note: 2)		A		
Glycerine water (FDA approved)	(Note: 2)		B		
<b>Flushing Connections</b> – 15 <sup>th</sup> character					
Without				1	
Provided				Q	
<b>Gasket</b> – 16 <sup>th</sup> character					
PTFE					2
Viton					3
Graphite					7

Note 1: Suitable for Oxygen Applications

Note 2: Suitable for Food Applications

**Basic ordering information model S26SS Sanitary diaphragm seal, designed according to 3-A standard for sanitary, pharmaceutical, food and beverage applications**

Select one character or set of characters from each category and specify complete catalog number.

<b>Base model</b> – 1 <sup>st</sup> to 5 <sup>th</sup> characters	S26SS	X	X	XX	X	X	X	X	X
Sanitary, pharmaceutical, food and beverage diaphragm seal									
<b>Transmitter Side of Connection</b> – 6 <sup>th</sup> character									
High pressure side		H							
Low pressure side		L							
<b>Mounting Connection</b> – 7 <sup>th</sup> character									
Union nut DIN 11851 - F50									A
Union nut DIN 11851 - F80									B
2 in. Tri-Clamp									F
3 in. Tri-Clamp									G
4 in. Tri-Clamp									H
2 in. Cherry Burrell									L
3 in. Cherry Burrell									M
4 in. Cherry Burrell									N
4 in. Sanitary flush diaphragm									P
4 in. Sanitary extended (2 in.) diaphragm									Q
4 in. Sanitary extended (4 in.) diaphragm									R
4 in. Sanitary extended (6 in.) diaphragm									S
4 in. Cherry Burrell aseptic									W
4 in. Aseptic flanged connection									J
<b>Diaphragm Material</b> – 8 <sup>th</sup> and 9 <sup>th</sup> character									
AISI 316L SST									SM
<b>Capillary Protection</b> – 10 <sup>th</sup> character									
AISI 316L SST armour									A
AISI 316L SST armour with PVC protective cover									B
Extension tube for direct mount seal									N

Model 266MDT Differential  
 Model 266GDT Gauge  
 Model 266ADT Absolute

Basic ordering information model S26SS Sanitary diaphragm seal, designed according to 3-A standard for sanitary, pharmaceutical, food and beverage applications		X	X	X	X
<b>Capillary Length</b> – 11 <sup>th</sup> character					
Direct-mount construction		1			
1 m (3 ft)		A			
1.5 m (5 ft)		B			
2 m (7 ft)		C			
2.5 m (8 ft)		D			
3 m (10 ft)		E			
3.5 m (12 ft)		F			
4 m (13 ft)		G			
4.5 m (15 ft)		H			
5 m (17 ft)		J			
5.5 m (18 ft)		K			
6 m (20 ft)		L			
6.5 m (22 ft)		M			
7 m (23.5 ft)		N			
7.5 m (25 ft)		P			
8 m (27 ft)		Q			
9 m (30 ft)		R			
10 m (33 ft)		S			
<b>Fill Fluid</b> – 12 <sup>th</sup> character					
Silicone oil					S
Inert fluid - Halocarbon	(Note: 1)				D
Silicone polymer for low temperature					C
Mineral oil (FDA approved)	(Note: 2)				W
Vegetable oil (FDA approved)	(Note: 2)				A
Glycerine water (FDA approved)	(Note: 2)				B

<b>Basic ordering information model S26SS Sanitary diaphragm seal, designed according to 3-A standard for sanitary, pharmaceutical, food and beverage applications</b>	<b>X</b>	<b>X</b>
<b>Clamp / Fittings – 13<sup>th</sup> character</b>		
None		1
2 in. V-band clamp (for 2 in. Tri-Clamp)		A
3 in. V-band clamp (for 3 in. Tri-Clamp)		B
4 in. V-band clamp (for 4 in. Tri-Clamp, 4 in. Cherry Burrell, 4 in. Sanitary flush and 4 in. Aseptic flanged)		C
4 in. Tank spud, tank wall up to 4.7 mm (0.18 in.) and 4 in. V-band clamp (for 4 in. Sanitary flush seal)		D
4 in. Tank spud, tank wall up to 9.5 mm (0.37 in.) and 4 in. V-band clamp (for 4 in. Sanitary flush seal)		E
4 in. schedule 5 V-band clamp (for 4 in. Sanitary extended seal)		F
Tank spud for 2 in. extension and 4 in. schedule 5 V-band clamp (for 4 in. Sanitary extended 2 in. seal)		G
Tank spud for 4 in. extension and 4 in. schedule 5 V-band clamp (for 4 in. Sanitary extended 4 in. seal)		H
Tank spud for 6 in. extension and 4 in. schedule 5 V-band clamp (for 4 in. Sanitary extended 6 in. seal)		J
Tank spud 1-1/2 in. (beverage seal)		K
Aseptic tank spud (for 4 in. aseptic flanged seal)		P
<b>Gasket – 14<sup>th</sup> character</b>		
None		1
Ethylene propylene gasket DN 100 (for 4 in. Sanitary extended seal) - (EPDM 3-A 18-03 Class II)		A
Ethylene propylene gasket 1-1/2 in. (for 1 1/2 in. beverage seal)		B
Ethylene propylene gasket DN 50 (for F50 Union nut seal)		C
Ethylene propylene gasket DN 80 (for F80 Union nut seal)		D
Ethylene propylene gasket 4 in. (for 4 in. Sanitary flush and 4 in. aseptic flanged) - (EPDM 3-A 18-03 Class II)		G

Note 1: Suitable for Oxygen Applications

Note 2: Suitable for Food Applications

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

### Basic ordering information model S26VN Socket and Saddle diaphragm seals

Select one character or set of characters from each category and specify complete catalog number.

<b>Base model</b> – 1 <sup>st</sup> to 5 <sup>th</sup> characters	S26VN	X	XX	X	X	X	X	X
Socket and Saddle diaphragm seal								
<b>Transmitter Side of Connection</b> – 6 <sup>th</sup> character								
High pressure side		H						
Low pressure side		L						
<b>Diaphragm Material</b> – 7 <sup>th</sup> and 8 <sup>th</sup> character								
AISI 316L SST			SM					
Hastelloy C-276			HM					
Hastelloy C-2000			MM					
Inconel 625			LM					
Tantalum			TM					
AISI 316L SST gold-plated			NM					
Superduplex SST (UNS S32750 to ASTM SA479)			EM					
<b>Capillary Protection</b> – 9 <sup>th</sup> character								
AISI 316L SST armour				A				
AISI 316L SST armour with PVC protective cover				B				
Extension tube for direct mount seal				N				
<b>Capillary Length</b> – 10 <sup>th</sup> character								
Direct-mount construction							1	
1 m (3 ft)							A	
1.5 m (5 ft)							B	
2 m (7 ft)							C	
2.5 m (8 ft)							D	
3 m (10 ft)							E	
3.5 m (12 ft)							F	
4 m (13 ft)							G	
4.5 m (15 ft)							H	
5 m (17 ft)							J	

Basic ordering information model S26VN Saddle and Socket diaphragm seal		X	X	X
<b>Fill Fluid</b> – 11 <sup>th</sup> character				
Silicone oil			S	
Baysilone			P	
Inert fluid - Galden	(Note: 1)		N	
Inert fluid - Halocarbon	(Note: 1)		D	
Silicone oil for high temperature (DC704)			G	
Silicone polymer for low temperature			C	
Mineral oil (FDA approved)	(Note: 2)		W	
Vegetable oil (FDA approved)	(Note: 2)		A	
Glycerine water (FDA approved)	(Note: 2)		B	
<b>Process Fitting Connections</b> – 12 <sup>th</sup> character				
Without				N
Saddle 2 in.				1
Saddle 2-1/2 in.				2
Saddle 3 in.				3
Saddle 4 in.				4
Saddle 5 in.				5
Saddle 6 in.				6
Socket 1/2 in.				A
Socket 3/4 in.				B
Socket 1 in.				C
Socket 1-1/2 in.				D
Socket 2 in.				E
<b>Gasket</b> – 13 <sup>th</sup> character				
PTFE				2
Graphite				7

Note 1: Suitable for Oxygen Applications

Note 2: Suitable for Food Applications

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

### Basic ordering information model S26JN In-line diaphragm seal

Select one or more characters from each category and enter the complete catalog number.

<b>Base model</b> – 1 <sup>st</sup> to 5 <sup>th</sup> characters	S26JN	X	X	XX	X	X	X
In-line diaphragm seal							
<b>Transmitter Side of Connection</b> – 6 <sup>th</sup> character							
High pressure side		H					
<b>High Side Type and Size</b> – 7 <sup>th</sup> character							
DN 25 / ASME 1 in.				A			
DN 40 / ASME 1-1/2 in.				B			
DN 50 / ASME 2 in.				C			
DN 80 / ASME 3 in.				D			
<b>Diaphragm Material</b> – 8 <sup>th</sup> and 9 <sup>th</sup> character							
AISI 316L SST	NACE			SM			
Hastelloy C-276	NACE			HM			
<b>Capillary Protection</b> – 10 <sup>th</sup> character							
Extension tube for direct mount seal						N	
<b>Capillary Length</b> – 11 <sup>th</sup> character							
Direct-mount construction							1
<b>Fill Fluid</b> – 12 <sup>th</sup> character							
Silicone oil							S
Baysilone							P
Inert fluid - Galden	(Note: 1)						N
Inert fluid - Halocarbon	(Note: 1)						D
Silicone oil for high temperature (DC704)							G
Silicone polymer for low temperature							C
Mineral oil (FDA approved)	(Note: 2)						W
Vegetable oil (FDA approved)	(Note: 2)						A
Glycerine water (FDA approved)	(Note: 2)						B

Note 1: Suitable for Oxygen Applications

Note 2: Suitable for Food Applications



**Basic ordering information model S26KN Pulp & Paper diaphragm seal**

Select one character or set of characters from each category and specify complete catalog number.

<b>Base model</b> – 1 <sup>st</sup> to 5 <sup>th</sup> characters	<b>S26KN</b>	X	X	XX	X	X	X	X
Pulp & Paper diaphragm seal								
<b>Transmitter Side of Connection</b> – 6 <sup>th</sup> character								
High pressure side		H						
<b>High Side Type and Size</b> – 7 <sup>th</sup> character								
Pulp & Paper 1 in. gasket								U
Pulp & Paper 1-1/2 in. gasket								K
Pulp & Paper 1 in. NPT								W
Pulp & Paper 1-1/2 in. NPT								Z
Pulp & Paper 1-1/2 in. PMC (M44)								V
Pulp & Paper G 1 A male threaded connection								1
Pulp & Paper G 1-1/2 A male threaded connection								2
<b>Diaphragm Material</b> – 8 <sup>th</sup> and 9 <sup>th</sup> character								
AISI 316L SST	NACE							SL
Hastelloy C-276	NACE							HL
Diaflex (AISI with anti-abrasion treatment) / Low thickness	NACE							FL
<b>Capillary Protection</b> – 10 <sup>th</sup> character								
Extension tube for direct mount seal								N
<b>Capillary Length</b> – 11 <sup>th</sup> character								
Direct-mount construction								1
<b>Fill Fluid</b> – 12 <sup>th</sup> character								
Silicone oil								S
Mineral oil (FDA approved)	(Note: 1)							W
<b>Fittings</b> – 13 <sup>th</sup> character								
Weld-on Pulp & Paper spud for 1 in.								C
Weld-on Pulp & Paper M44 threaded spud for 1-1/2 in. (M44)								D
Weld-on Pulp & Paper spud for 1-1/2 in.								F
Not provided								N

Note 1: Suitable for Food Applications

# Model 266MDT Differential

## Model 266GDT Gauge

## Model 266ADT Absolute

### Important remark for all models

The selection of suitable wetted parts and filling fluid for compatibility with the process media is a customer's responsibility, if not otherwise notified before manufacturing.

### NACE compliance information

- 1 The materials of constructions comply with metallurgical recommendations of NACE MR0175/ISO 15156 for sour oil field production environments. As specific environmental limits may apply to certain materials, please consult latest standard for further details. Materials AISI 316 / AISI 316L, Hastelloy C-276, Monel 400 also conform to NACE MR0103 for sour refining environments.
- 2 NACE MR0175 addresses bolting requirements in two classes:
  - **Exposed bolts:** bolts directly exposed to the sour environment or buried, encapsulated or anyway not exposed to atmosphere.
  - **Non exposed bolts:** the bolting must not be directly exposed to sour environments, and must be directly exposed to the atmosphere at all times.

266MDT bolting identified by "NACE" are in compliance to the requirements of NACE MR0175 when considered "non exposed bolting".

### Trademarks

- ™ Hastelloy C-276 is a Cabot Corporation trademark
- ™ Hastelloy C-2000 is a Haynes International trademark
- ™ Monel is an International Nickel Co. trademark
- ™ Viton is a DuPont de Nemours trademark
- ™ DC200 is a Dow Corning Corporation trademark
- ™ DC704 is a Dow Corning Corporation trademark
- ™ Galden is a Montefluos trademark
- ™ Halocarbon is a Halocarbon Products Co. trademark
- ™ Neobee M 20 is a Stepan Company trademark
- ™ Esso Marcol 122 is an Esso Italiana trademark
- ™ Syltherm is a Dow Chemical Company trademark

# Notes

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