

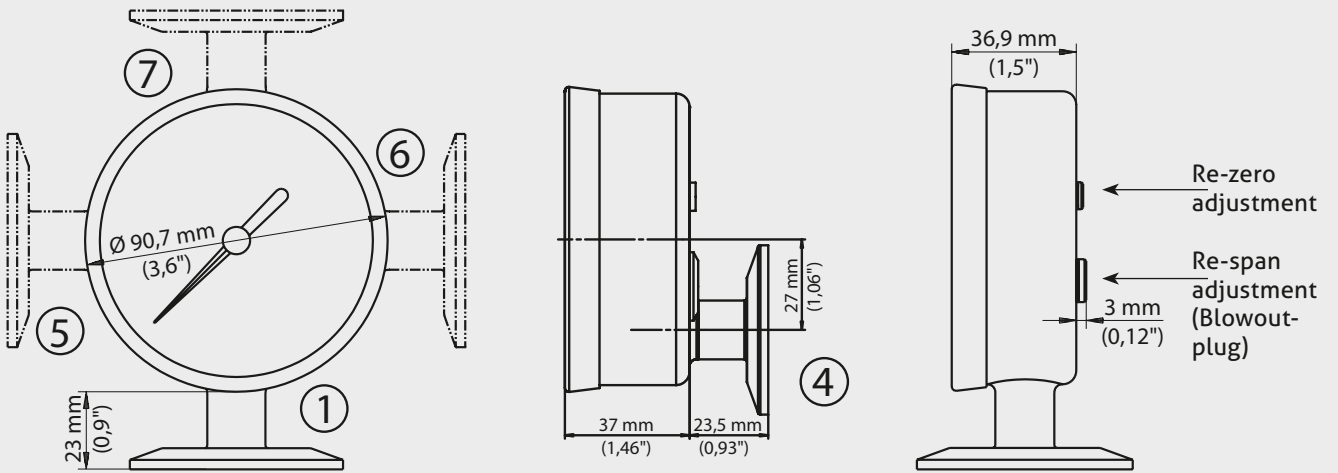
Specification		
Materials	diaphragm fitting bourdon tube movement case inspection window	1.4404 / AISI 316L 1.4404 / AISI 316L bronze brass 1.4301 / AISI 304 polysulfone (for temperatures up to 163 °C / 325 °F)
Surface roughness	diaphragm	$R_a \leq 0.8 \mu\text{m}$
Actuating fill		paraffin oil / medical white oil optional: Neobee® M-20
FDA approval number	paraffin oil Neobee® M-20	21 CFR 172.878, 21 CFR 178.3620, 21 CFR 573.680, 21 CFR 182.1320 21 CFR 172.856, 21 CFR 174.5
Protection class		IP 66
Dampening (option)	case fill hydromechanical	glycerine
Over-range capability		minimum 25 % of full scale
Measurement accuracy	repeatability linearity hysteresis	± 0.5 % of full scale ± 0.5 % of full scale ± 0.5 % of full scale
Temperature ranges	process CIP / SIP ambient	-29...149 °C / -20...300 °F 149 °C / 300 °F continuous 4...49 °C / 40...120 °F slower reaction at deep temperatures
Temperature effect	from 10...90 % of range (process or ambient)	$< \pm 0.01$ %/K of full scale
Zero adjustment		± 5 %
Weight	glycerine case filling Tri-Clamp TC1 Tri-Clamp TC2 Varivent V40/50 SMS SM38 SMS SM51 Dairy flange GF40 Dairy flange GF50	130 g (additional to sensor weight) 450 g 520 g 980 g 600 g 770 g 990 g 1080 g

Note on 3-A Sanitary Standard 74-

Information on installation according to 3-A standard is available on our website:
www.anderson-negele.com/3A74.pdf

Click on the PDF icon to download the document.

Mount options



Overview of further process connections

Type	Figure	Dimensional drawings	Available connections	
Tri-Clamp			Tri-Clamp 1½"	d = 50.5 mm
			Tri-Clamp 2"	d = 63.9 mm
			Tri-Clamp 2½"	d = 77.5 mm
			Tri-Clamp 3"	d = 91.0 mm
Dairy flange DIN11851			DN40 with nut (female)	
			DN50 with nut (female)	
SMS			SMS 38 mm (male)	
			SMS 51 mm (male)	
SMS			SMS 38 mm with nut (female)	
			SMS 51 mm with nut (female)	
Varivent			DN 40/50	

Order Code

EL Diameter housing 90 mm / 3.6"

Measurement range

XXX see table on page 1

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Process connection (A: 3-A conform)

004	Tri-Clamp 1½" (A)	109	SMS 38 mm, female
162	Tri-Clamp 1½", with recessed diaphragm	110	SMS 51 mm, female
005	Tri-Clamp 2" (A)	111	SMS 38 mm, male
177	Tri-Clamp 2", with recessed diaphragm	112	SMS 51 mm, male
006	Tri-Clamp 2½" (A)	115	DIN 11851, DN40, with nut
007	Tri-Clamp 3" (A)	124	DIN 11851, DN50, with nut
059	1½" NPT	123	CPM fitting (A)
099	Varivent N / DN40/2" (A)		

Mount/connection

1	bottom
4	back
5	left
6	right
7	top

Damping

0	without
1	glycerine filled case OF
2	hydro-mechanical damping MD

Calibration adjustment

1	Re-Zero
3	Re-Zero and max pointer stop

Capillary filling

1	paraffin oil/medical white oil
5	Neobee® M-20

Materials of construction

A	standard
B	HASTELLOY® C-22® diaphragm (only for Tri-Clamp 1½" and 2")
L	standard with custom marking
M	HASTELLOY® C-22® diaphragm with custom marking (only for Tri-Clamp 1½" and 2")

Temperature

0	standard
1	high temperature up to 165 °C / 330 °F with steam stabilized diaphragm

Lens

0	standard
1	UV stabilized

Surface preparation

0	standard
1	clean for oxygen service

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