Pressure Gauge MAN-63

CLEANadapt

Application

· Hygienic pressure measurement

Application examples

· Local display without power supply

Hygienic design/Process connection

· Hygienic process connection with CLEANadapt
· Versions available to conform to 3-A Standard 74-
· All wetted materials and actuating fill are FDA-conforming
· Gauges completely made of stainless steel
· Complete overview of process connections: see order code
· The Anderson-Negele CLEANadapt system offers a flow-optimized, hygienic and easily sterilizable installation solution for sensors.

Features

· CIP-/ SIP-cleaning up to 149 °C (300 °F) / maximum 60 minutes
· IP 66, housing for optimized cleanability
· Complete device is certified by 3-A-SSI
· With CLEANadapt an easy adaption to all process connection is possible
· Zero adjustable
· Surface R_a ≤ 0.6 µm (0.6 microns, 24 micro-inches) is standard

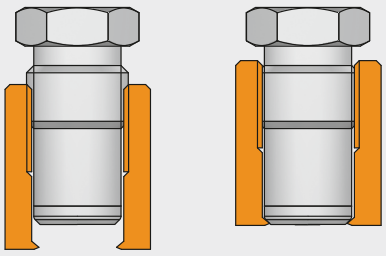
Options

· Case filling with glycerine for damping
· Actuating fill with Neobee® M-20

MAN-63 / TC3/4

MAN-63 / S

Hygienic elastomer free sealing principle for MAN-63 / S

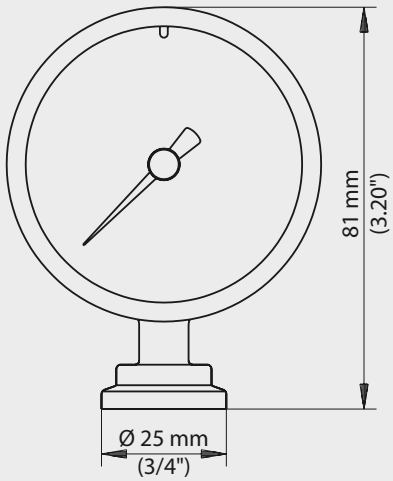


Specification		
Material	diaphragm	1.4404 / AISI 316L R_a ≤ 0.6 µm (0.6 microns, 24 micro-inches)
	fitting	1.4404 / AISI 316L
	bourdon tube	1.4301 / AISI 304
	movement	1.4301 / AISI 304
	case	1.4301 / AISI 304
	inspection window	polycarbonat
	case fill	glycerine (option)
Actuating fill		paraffin oil / medical white oil
	FDA approval number	21 CFR 172.878 and 21 CFR 178.3620(a)
	option	Neobee® M-20
Protection class		IP 66
Over-range capability		minimum 25 % over range
Accuracy		±1.5 % of full scale
Repeatability		±0.5 % of full scale
Linearity		±0.5 % of full scale
Hysteresis		±0.5 % of full scale
Temperature	process	-3 °C...140 °C / 25 °F...284 °F
	CIP / SIP	149 °C / 300 °F, maximum 60 minutes
	ambient	4 °C...49 °C / 40 °F...120 °F slower reaction at deep temperatures
Stability	from 10...90 % of range	< ±0.01 %/K of full scale in process or ambient temperature
Weight		140....390 g (depending on process connection and filling)

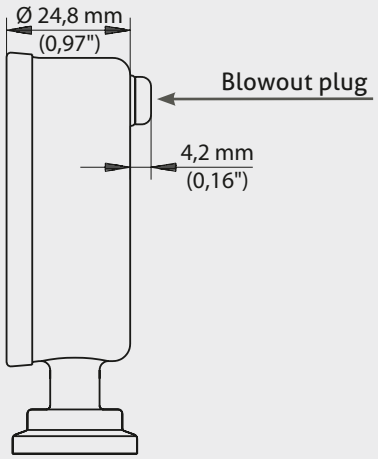
Overview of deliverable process connections for MAN-63 / S (adapters must be ordered seperately!)
The complete overwiew of all available adapters you will find at product information **CLEANadapt.**

MAN-63 / S						
Process connection		**Build-in system EHG** (DIN 11850 series 2)	**Negele weld-in sleeve**	**Tri-Clamp**	**Diary flange** (DIN 11851)	**DRD** (press ring optional deliverable)
DN25	**1"**	-	EMZ-352	AMC-352/DN25	AMK-352/DN25	-
DN40	**1½"**	EHG-DIN2-40/1"	suitable for installation in vessels	AMC-352/DN25	AMK-352/DN40	-
DN50	**2"**	EHG-DIN2-50/1"		AMC-352/DN50	AMK-352/DN50	AMK-352/DN50
DN65	**3"**	EHG-DIN2-65/1"	EMS-352	AMC-352/ DN65	AMK-352/DN65	AMK-352/DN50
DN80		EHG-DIN2-80/1"	suitable for installation in pipes	AMC-352/DN80	AMK-352/DN80	AMK-352/DN50
DN100		EHG-DIN2-100/1"		AMC-352/DN100	AMK-352/DN100	AMK-352/DN50

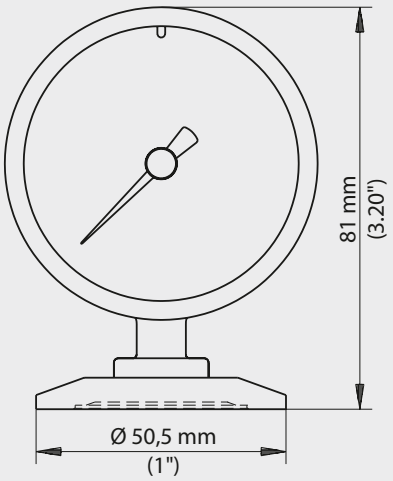
MAN-63 / TC3/4



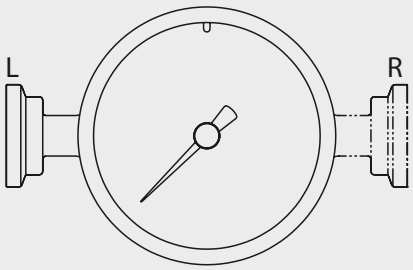
MAN-63 / TC3/4



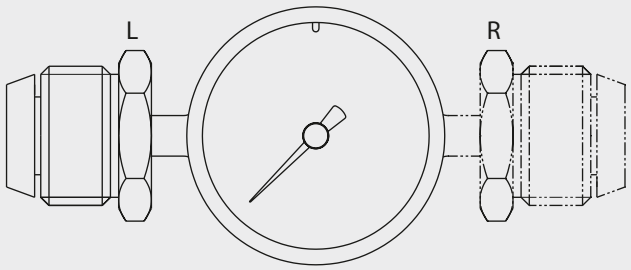
MAN-63 / TC1



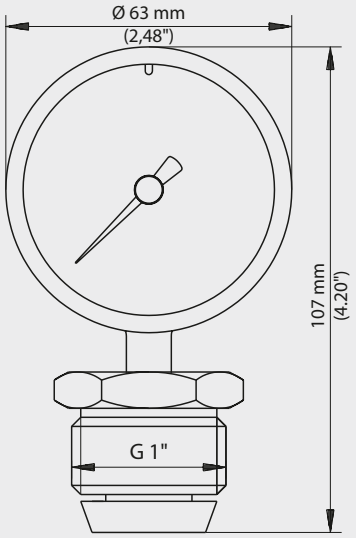
MAN-63 / TC3/4 connection L (left) / R (right)



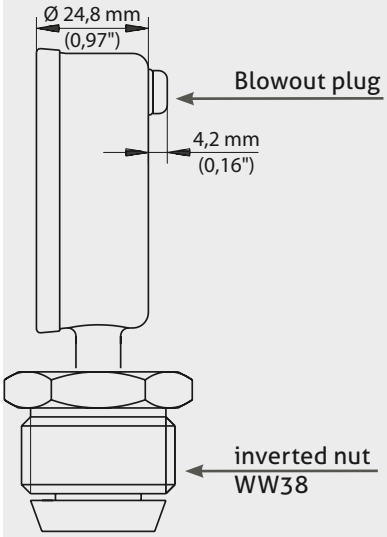
MAN-63 / S connection L (left) / R (right)



MAN-63 / S



MAN-63 / S



Order code

MAN-63 diameter housing 63 mm

Process connection (Ⓐ: 3-A conform)

TC3/4	Tri-Clamp 3/4" Ⓐ
TC1	Tri-Clamp 1" Ⓐ
S	CLEANadapt G1"

Measuring range

-1...+2	-1.0...2.0 bar
-1...+4	-1.0...4.0 bar
0...2	0...2.0 bar
0...4	0...4.0 bar
0...6	0...6.0 bar
0...7	0...7.0 bar
0...11	0...11.0 bar

Filling

X	paraffin oil
GC	Neobee® M-20 (not available for Tri-Clamp 3/4")

Calibration possibility

X	without

Damping

X	without
GZ	glycerine filling, not for connection "L" and "R"

Connection

U	down
L	left
R	right

MAN-63 / TC1 / 0...2 / X / X / X / U

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.

PDF

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