



flow & process solutions





Potravinářský průmysl
Farmaceutický průmysl
Biotechnologie
Petrochemie
Chemický průmysl
Energetika
Úprava vody
Papírenství a zpracování celulózy
Plynárenský průmysl
Keramický průmysl
Zpracovatelský průmysl



Firma s tradicí od r. 1990 se při svém vzniku zaměřila na dodávky základních komponent, přístrojové a měřicí techniky a dodávky technologií pro farmaceutický a potravinářský průmysl. Cílem bylo zajistit kompletní dodavatelsko - inženýrské služby, včetně servisu. V roce 1998, který byl pro firmu velmi významným mezníkem, proběhla transformace společnosti do nynější formy. V dalších letech činnosti společnosti dochází k rozšíření portfolia a je navazována spolupráce s partnery v oblasti armatur, komponent, ventilů, procesní měřicí techniky a čerpadel.

Oblastí působnosti je potravinářský, farmaceutický průmysl, biotechnologie, chemický průmysl, petrochemie, úprava vody, papírenství a celulóza, energetika, keramický průmysl a zpracovatelský průmysl.

Firma REGOM INSTRUMENTS je díky širokému dodavatelskému portfoliu a bohatým zkušenostem schopna zajistit dodávky armatur, komponent, čerpadel, přístrojů a zařízení.

Cílem společnosti REGOM INSTRUMENTS je poskytování kvalitních služeb a spolehlivých dodávek pro co nejširší okruh zákazníků.

Product Information MAN-63

FOOD

Pressure Gauge MAN-63



Application

- Hygienic pressure measurement

Application examples

- Local display without power supply

Hygienic design/Process connection

- Hygienic process connection with CLEANadapt
- Conforming to 3-A Sanitary Standard for versions with DIRECTadapt
- All wetted materials are FDA-conform
- 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 $R_a \leq 0.6 \mu\text{m}$ (0.6 microns, 24 micro-inches) is standard

Options

- Case filling with glycerine for damping
- Actuating fill with Neobee M20

Authorizations



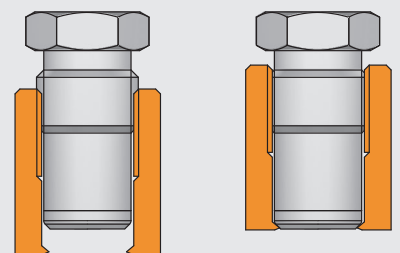
MAN-63 / TC3/4



MAN-63 / S

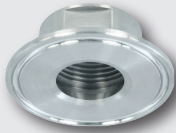
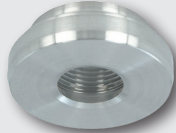
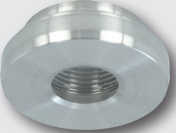


Hygienic elastomer free sealing principle for MAN-63 / S

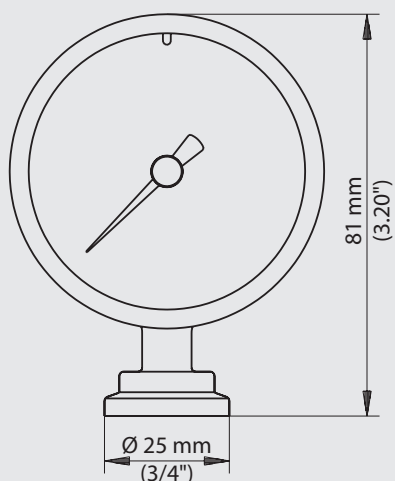


Specification		
Material	diaphragm	1.4404 (316L) $R_a \leq 0.6 \mu\text{m}$ (0.6 microns, 24 micro-inches)
	fitting	1.4404 (316L)
	bourdon tube	1.4301 (304)
	movement	1.4301 (304)
	case	1.4301 (304)
	inspection window case fill	polycarbonat glycerine (option)
Actuating fill	FDA approval number	paraffin oil / medical white oil 21 CFR 172.878 and 21 CFR 178.3620(a)
	option	Neobee M20
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 ambient	149 °C (300 °F) / maximum 60 minutes 4 °C...49 °C (40 °F...120 °F) slower reaction at deep temperatures
Stability	from 10...90 % of range	$< \pm 0.01$ % / K of full scale in process or ambient temperature
Weight		140....390 g (depending on process connection and filling)

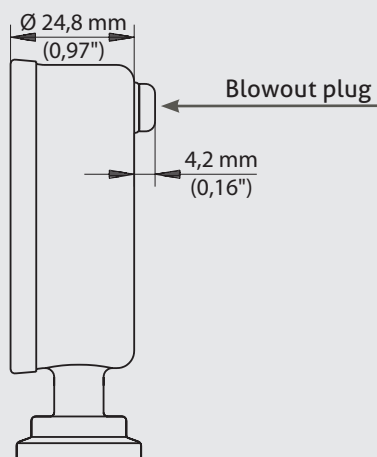
Overview of deliverable process connections for MAN-63 / S (adapters must be ordered seperately!)
The complete overview of all available adapters you will find at product information **CLEANadapt**.

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 suitable for installation in vessels	AMC-352/DN25	AMK-352/DN25	-
DN40	1½"	EHG-DIN2-40/1"		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 suitable for installation in pipes	AMC-352/ DN65	AMK-352/DN65	AMK-352/DN50
DN80		EHG-DIN2-80/1"		AMC-352/DN80	AMK-352/DN80	AMK-352/DN50
DN100		EHG-DIN2-100/1"		AMC-352/DN100	AMK-352/DN100	AMK-352/DN50

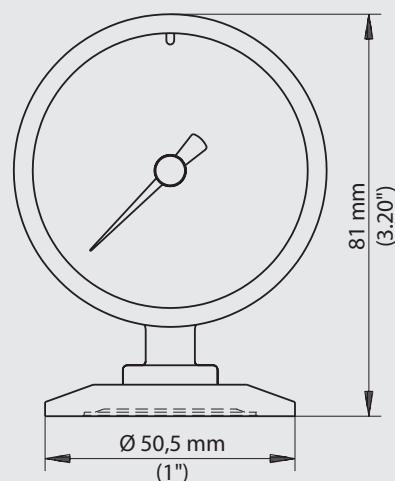
MAN-63 / TC3/4



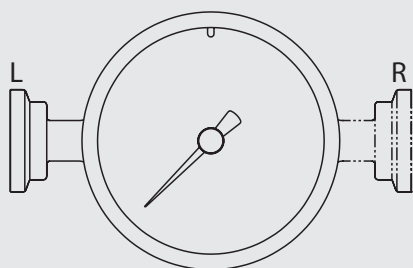
MAN-63 / TC3/4



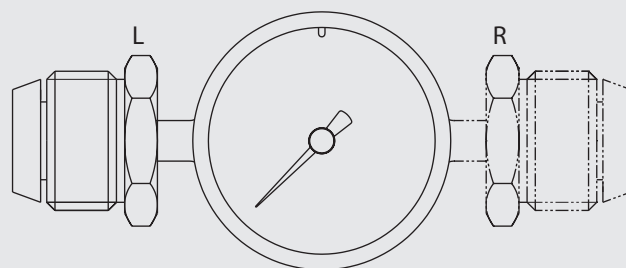
MAN-63 / TC1



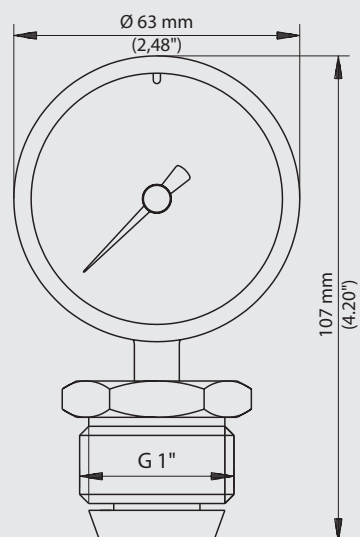
MAN-63 / TC3/4 connection L (left) / R (right)



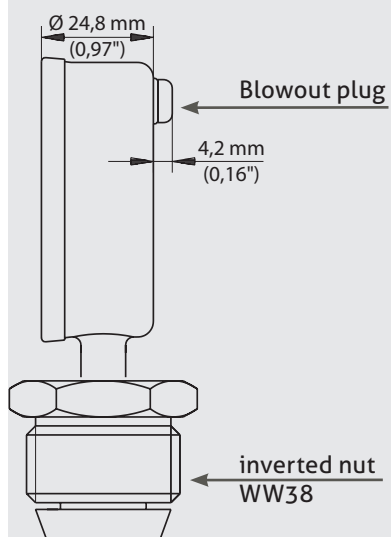
MAN-63 / S connection L (left) / R (right)



MAN-63 / S



MAN-63 / S



Order code

MAN-63	(diameter housing 63 mm)					
	Process connection					
	TC3/4	(Tri-Clamp 3/4")				
	TC1	(Tri-Clamp 1")				
	S	(CLEANadapt G1"; not with 3-A TPV Verification)				
	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 M20)				
	Calibration possibility					
	X	(without)				
	Damping					
	X	(without)				
	GZ	(glycerine filling)				
	Connection					
	U	(down)				
	L	(left)				
	R	(right)				
MAN-63 /	TC1 /	0...2 /	X /	X /	X /	U

Conditions for a measuring point according to 3-A Sanitary Standard 74-06



- The sensors MAN-63 / TC... conforming to the 3-A Sanitary Standard.
- The sensors are designed for CIP-/ SIP-cleaning. Maximum 149 °C / 60 minutes.
- Only with 3-A conforming Tri-Clamp process connection.
- Mounting position, self draining and the position of the leakage hole must be in accordance to current 3-A Sanitary Standard.



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