

Assembled diaphragm seal, for sanitary applications

01/2017

Applications

- Food & Beverage
- Pharmaceutical Industry
- Biotechnology
- Cosmetics

Special features

- 2 1/2" to 4" nominal gauge size
- 1 1/2" to 4" Sanitary connections
- Tri-Clamp®, process connections
- Sanitary documentation standard
- Compliance with "3A" third party standards
- B40.100 & EN 837-1



Order numbers

Nominal Case Size & Style	2.5" Lower Mount				4.0" Lower Mount			
	Dry Case M932.3A		Glycerine Filled Case M933.3A		Dry Case M932.3A		Glycerine Filled Case M933.3A	
Tri-Clamp® Connection Size	1.5"	2.0"	1.5"	2.0"	1.5"	2.0"	1.5"	2.0"
-30 inHg ... 0 Vacuum	----	----	50642952	----	----	----	----	----
-30 inHg ... 15 psi/bar	----	----	50748653	----	50953672	----	----	----
-30 inHg ... 30 psi/bar	----	----	52730350	----	52476791	52476677	----	50450166
-30 inHg ... 60 psi/bar	----	----	52734032	----	52476804	52476685	50232720	----
-30 inHg ... 100 psi/bar	----	----	----	----	----	----	----	----
-30 inHg ... 160 psi/bar	52741084	----	----	----	----	----	----	----
0 ... 15 psi/bar	----	----	----	50367455	----	50182501	----	----
0 ... 30 psi/bar	----	----	----	----	52476731	52476642	52582655	----
0 ... 60 psi/bar	52507157	----	50767372	----	52476758	50417801	52452379	52468178
0 ... 100 psi/bar	52507165	----	50458086	52584631	52476766	50417819	50543458	50743911
0 ... 160 psi/bar	50337394	52011534	50309382	50529722	52476774	52476651	50227211	50691643
0 ... 200 psi/bar	----	----	50275879	52712475	52310361	50417827	52164438	52518710
0 ... 300 psi/bar	----	----	----	----	52476782	52476669	----	----
0 ... 400 psi/bar	----	----	50442651	----	----	----	----	----
0 ... 600 psi/bar	----	----	----	----	----	----	50949284	----

Legend: available from stock available after production ---- available, part number not assigned

Inventory is available on the first ordered bases with limited quantities. Inventoried quantities will be adjusted to accommodate the incoming order rate.

System fill fluid (FDA approved):

Positive pressure = Glycerine

Compound and vacuum pressure = Mineral oil

Note: Glycerine 8 ounce squirt bottle (gauge case filling liquid) can be ordered using WIKA part number 204. Please contact WIKA or your WIKA distributor for price and availability.

Order numbers

Nominal Case Size & Style	2.5" Lower Mount				4.0" Lower Mount			
Case: Dry or Glycerine Filled	Dry Case M932.3A		Glycerine Filled Case M933.3A		Dry Case M932.3A		Glycerine Filled Case M933.3A	
Tri-Clamp® Connection Size	1.5"	2.0"	1.5"	2.0"	1.5"	2.0"	1.5"	2.0"
-30 inHg ... 0 Vacuum	52286959	52738876	50212672	----	52003612	50189611	52402193	----
-30 inHg ... 15 psi	52738002	52284778	----	----	----	50189646	50774174	----
-30 inHg ... 30 psi	52034135	52130444	50212869	----	50189816	50189662	52330591	----
-30 inHg ... 60 psi	50219812	50219791	50931865	50896474	50189832	50189689	50189841	52740949
-30 inHg ... 100 psi	50629743	50219871	50219863	----	50912658	50189701	50831542	----
-30 inHg ... 160 psi	----	----	----	50896971	----	----	52007600	50926152
0 ... 15 psi	52750898	----	----	----	50611950	----	50189883	52742463
0 ... 30 psi	50781162	50781171	50219944	50219961	50612352	50189786	50189905	50189794
0 ... 60 psi	50219979	50958216	50219987	50220004	50189913	50171895	50189921	50189808
0 ... 100 psi	50220012	50220039	50220021	50220047	50193554	50193571	50193562	50193589
0 ... 160 psi	50220055	50220071	50753614	50220080	50194062	50194089	50194071	50194097
0 ... 200 psi	50220098	50924184	50220101	50220128	50194101	50194127	50194119	50194135
0 ... 300 psi	50220136	----	50931849	----	50194143	50194160	50194151	50194178
0 ... 400 psi	52805924	----	----	----	----	----	50194194	50194216
0 ... 600 psi	50220217	----	52072321	52083993	50194224	----	50194232	50839489

Legend: available from stock available after production ---- available, part number not assigned

Inventory is available on the first ordered bases with limited quantities. Inventoried quantities will be adjusted to accommodate the incoming order rate.

System fill fluid (FDA approved):
 Positive pressure = Glycerine
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Note: Glycerine 8 ounce squirt bottle (gauge case filling liquid) can be ordered using WIKA part number 204. Please contact WIKA or your WIKA distributor for price and availability.

Quick order code (you can find further possible variants in data sheet M93X.3A)

Type M932.3A - Dry Case

Type M933.3A - Liquid Filled Case

Field no.	Code	Version
Dial size		
①	25	2½" gauge case
	40	4" gauge case
Pressure Range		
②	V000	-30 inHg ... 0 Vacuum
	C015	-30 inHg ... 15 psi compound range
	C030	-30 inHg ... 30 psi compound range
	C060	-30 inHg ... 60 psi compound range
	C100	-30 inHg ... 100 psi compound range
	C160	-30 inHg ... 160 psi compound range
	P015	15 psi gauge pressure range
	P030	30 psi gauge pressure range
	P060	60 psi gauge pressure range
	P100	100 psi gauge pressure range
	P160	160 psi gauge pressure range
	P200	200 psi gauge pressure range
	P300	300 psi gauge pressure range
	P400	400 psi gauge pressure range
	P600	600 psi gauge pressure range
	XXXX	Other - consult factory
Pressure units		
③	PX	PSI - single scale
	PC	PSI outside / KG/CM² inside red
	PK	PSI outside / KPA inside red
	PB	PSI outside / BAR inside red
	SP	Special scale
Connector location		
④	LM	Lower mount
	BK	Center back mount 2½", or Lower back mount 4"
Diaphragm seal design		
⑤	22	Tri-Clamp®
	57M	Cherry Burrell - I-Line male (see note 5)
	57F	Cherry Burrell - I-Line female (see note 5)
	58	APC (see note 5)
	XX	Other - consult factory

Field no.	Code	Version
Process connection		
⑥	10	1.0" connector
	15	1.5" connector
	20	2.0" connector
	25	2.5" connector
	30	3.0" connector
	40	4.0" connector
Wetted parts material		
⑦	ES	Electropolished 316L SS (1.4435) Ra ≤ 15 µin except for weld seam
	HC	Hastelloy C276 (2.4819)
	XX	Other - consult factory
System fill		
⑧	07	KN7 - Glycerine 99.7% USP (1000 cst) - FDA 21 CFR 182.1320 (see note 1)
	59	KN59 - Neobee M20 - FDA 21 CFR 172.856, 174.5
	92	KN92 - Mineral Oil LubePharm (23 cst) - FDA 21 CFR 172.878, 178.3620 (a): USP, EP
	93	KN93 - Silicone Oil DC200 (350 cst food grade) - FDA 21 CFR 173.340
	XX	Other - consult factory
Window material		
⑨	LPC	Polycarbonate
	LPS	Polysulfone
Options - (see note 2)		
⑩	FGL	Glycerine case fill - change model # to M933.3A
	XEP	Wetted parts electro-polished w/certificate (see note 3)
	XMT	Material certificate 3.1 EN10204 (metal only) (see note 3)
	WSS	Instrument tag, Stainless steel
	RS6	Restrictor, SS, 0.6 mm orifice
	RS3	Restrictor, SS, 0.3 mm orifice (Super-restrictor)
	CE2	2" Cooling element (Tmax 350° F)
	CE4	4" Cooling element (Tmax 500° F)
	XAC	Autoclave design, case with 2 weep holes (see note 4)
	XNI	NIST - Certificate of calibration (see note 3)
	XXX	Other - consult factory

Notes:

- 1) Glycerine (07) is not available for vacuum & compound pressure measurement ranges. Consult factory for exceptions.
- 2) List options in alphabetical order at the end of the configuration code.
- 3) All product under this model series is provided with calibration protocol, electropolish finish, and material based information report per 2.2 EN 10204 as standard.
- 4) Autoclave design requires polysulfone window (LPS) and dry gauge case (M932.3A).
- 5) Cherry Burrell and APC connections are limited to 1.5" and 2.0" connectors.

Order code: M93X.3A

①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩

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Änderungen und den Austausch von Werkstoffen behalten wir uns vor.

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