Order information

Diaphragm seal systems

with short delivery times

WIKA

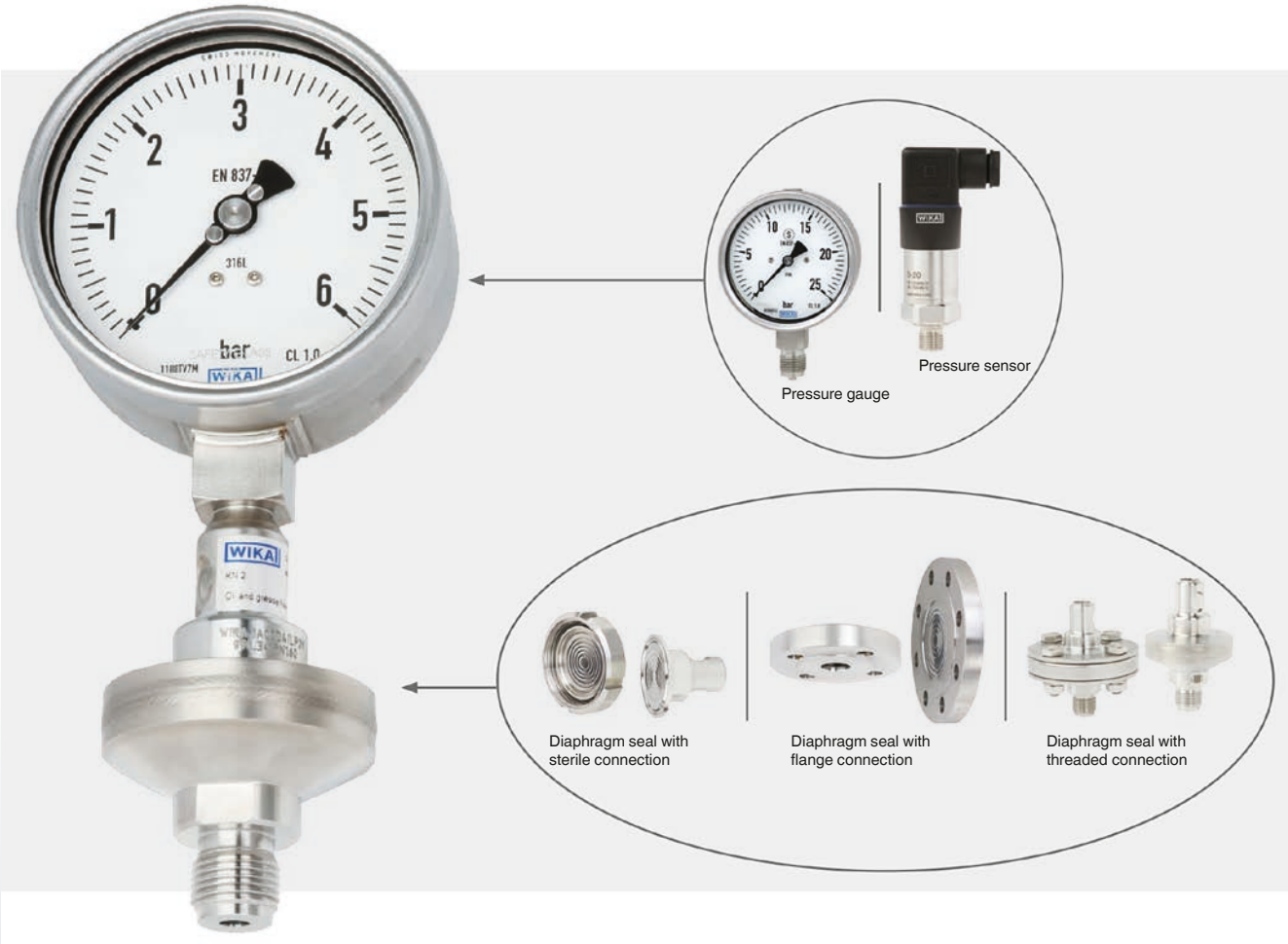
Part of your business

Fast and reliable

These combinations of diaphragm seals with pressure measuring instruments particularly stand out for their very fast availability.

The diaphragm seal systems can be used for processes with gases, compressed air or vapour, with liquid, paste-like, powdery and crystallising media and also with aggressive, adhesive, corrosive, highly viscous, environmentally hazardous or toxic media.

The diaphragm made of stainless steel provides for the separation from the medium. The pressure is transmitted to the measuring instrument via the system fill fluid which is inside the diaphragm seal system.



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Our universally applicable diaphragm seal systems are suitable for superior applications in diverse industries.

Pharmaceuticals and biotechnology

Food and beverages

Chemical industry

Petrochemical industry

Oil and gas

Water and wastewater

Chemical industry

Petrochemical industry

Oil and gas

DSS27M

Applications

- For aggressive, highly viscous, crystallising or hot media
- Chemical and petrochemical industries
- Process industry
- Machine building and plant construction

Special features

- Flange with a flush welded diaphragm
- Universal application

Order numbers

Pressure measuring instrument	Pressure gauge per EN 837-1, NS 100, lower mount						
Mounting	Direct mounting						
Wetted material	Stainless steel 1.4435/1.4404 (316L) Ra ≤ 0.76 µm						
System fill fluid	KN 2 (for general application)						
Ambient temperature	min. +10 °C, max +40 °C						
Process connection	EN 1092-1/Form B1			ASME B16.5/ FR 125…250 AA			
	DN 50	DN 80		2"		3"	
	PN 10/40	PN 10/16	PN 25/40	Class 150	Class 300	Class 150	Class 300
1 bar	14216931	14217141	14217176	14217203	14217217	14217235	14217285
1.6 bar	14217125	14217143	14217177	14217204	14217218	14217239	14217287
2.5 bar	14217127	14217145	14217178	14217205	14217219	14217246	14217290
4 bar	14217128	14217146	14217179	14217206	14217221	14217249	14217291
6 bar	14217129	14217147	14217180	14217207	14217222	14217253	14217293
10 bar	14217130	14217150	14217182	14217208	14217223	14217257	14217294
16 bar	14217131	14217158	14217184	14217210	14217224	14217263	14217296
25 bar	14217132	14217159	14217185	14217211	14217225	14217267	14217299
40 bar	14217133	14217161	14217186	14217213	14217227	14217270	14217300
-1 … 5 bar	14217134	14217173	14217189	14217214	14217229	14217273	14217301
-1 … 9 bar	14217137	14217174	14217200	14217215	14217231	14217281	14217304
-1 … 10 bar	14217139	14217175	14217202	14217216	14217232	14217284	14217305

Legend: available from stock in Germany available after production ---- not available

Chemical industry

Petrochemical industry

Oil and gas

DSS27T

Applications

- For aggressive, highly viscous, crystallising or hot media
- Chemical and petrochemical industries
- Oil and gas industry
- Machine building and plant construction

Special features

- Flange with a flush welded diaphragm
- Universal application

Order numbers

Pressure measuring instrument	High-quality sensor, lower mount						
Mounting	Direct mounting						
Wetted material	Stainless steel 1.4435/1.4404 (316L)						
System fill fluid	KN 2 (for general application)						
Ambient temperature	min. +10 °C, max +40 °C						
Process connection	EN 1092-1/Form B1			ASME B16.5/ FR 125…250 AA			
	DN 50	DN 80		2"		3"	
	PN 10/40	PN 10/16	PN 25/40	Class 150	Class 300	Class 150	Class 300
1 bar	14224262	14224278	14224293	14224314	14224332	14224352	14224371
1.6 bar	14224264	14224280	14224294	14224316	14224333	14224353	14224373
2.5 bar	14224265	14224281	14224295	14224318	14224334	14224355	14224375
4 bar	14224267	14224283	14224296	14224319	14224335	14224356	14224376
6 bar	14224268	14224284	14224298	14224320	14224336	14224359	14224377
10 bar	14224269	14224285	14224299	14224322	14224337	14224360	14224378
16 bar	14224270	14224287	14224302	14224324	14224340	14224362	14224379
25 bar	14224271	14224288	14224305	14224325	14224345	14224363	14224381
40 bar	14224273	14224289	14224308	14224326	14224346	14224365	14224382
-1 … 5 bar	14224274	14224290	14224309	14224328	14224347	14224367	14224383
-1 … 9 bar	14224275	14224291	14224310	14224329	14224349	14224368	14224384
-1 … 10 bar	14224276	14224292	14224311	14224330	14224350	14224369	14224385

Legend: available from stock in Germany available after production ---- not available

Chemical industry

Petrochemical industry

Oil and gas

DSS26M

Applications

- For aggressive, highly viscous, crystallising or hot media
- Chemical and petrochemical industries
- Process industry
- For small flange process connections

Special features

- flange with internal, all welded diaphragm
- No sealings and clamping elements
- Robust and compact design

Order numbers

Pressure measuring instrument	Pressure gauge per EN 837-1, NS 100, lower mount				
Mounting	Direct mounting				
Wetted material	Stainless steel 1.4435 (316L) Ra ≤ 0.76 µm				
System fill fluid	KN 2 (for general application)				
Ambient temperature	min. +10 °C max. +40 °C				
Process connection	EN 1092-1/Form B1	ASME B16.5/ FR 125…250 AA			
	DN 25	1/2"		1"	
	PN 10/40	Class 150	Class 300	Class 150	Class 300
6 bar	14217343	14217357	14217366	14217417	14217426
10 bar	14217344	14217358	14217370	14217418	14217427
16 bar	14217345	14217359	14217375	14217419	14217428
25 bar	14217348	14217360	14217376	14217420	14217429
40 bar	14217349	14217362	14217377	14217421	14217432
-1 ... 5 bar	14217350	14217363	14217380	14217422	14217434
-1 ... 9 bar	14217351	14217364	14217382	14217424	14217436
-1 ... 10 bar	14217355	14217365	14217383	14217425	14217437

Legend: available from stock in Germany available after production ---- not available

Chemical industry

Petrochemical industry

Oil and gas

DSS26T

Applications

- For aggressive, highly viscous, crystallising or hot media
- Chemical and petrochemical industries
- Process industry
- For small flange process connections

Special features

- Flange with internal, all welded diaphragm
- No sealings and clamping elements
- Robust and compact design

Order numbers

Pressure measuring instrument	High-quality sensor, lower mount				
Mounting	Direct mounting				
Wetted material	Stainless steel 1.4435/1.4404 (316L) Ra ≤ 0.76 µm				
System fill fluid	KN 2 (for general application)				
Ambient temperature	min. +10 °C, max. +40 °C				
Process connection	EN 1092-1/Form B1	ASME B16.5/ RF 125 … 250 AA			
	DN 25	1/2"		1"	
	PN 10/40	Class 150	Class 300	Class 150	Class 300
6 bar	14217190	14223359	14223368	14223377	14223390
10 bar	14217220	14223361	14223369	14223379	14223392
16 bar	14217252	14223362	14223370	14223381	14223393
25 bar	14217272	14223363	14223372	14223382	14223395
-1 ... 5 bar	14223101	14223365	14223373	14223384	14223396
-1 ... 9 bar	14223350	14223366	14223374	14223386	14223397
-1 ... 10 bar	14223357	14223367	14223376	14223388	14223398

Legend: available from stock in Germany available after production ---- not available

Chemical industry

Petrochemical industry

Oil and gas

DSS10M

Applications

- For aggressive, hot, corrosive, environmentally hazardous or toxic media
- Chemical and petrochemical industries
- Harsh environments in the process industry

Special features

- Process connection with thread to provide for direct threaded connection
- Version with internal diaphragm
- Diaphragm seal parts screwed together
- Universal application

Order numbers

Pressure measuring instrument	Pressure gauge per EN 837-1, NS 100, lower mount			
Mounting	Direct mounting			
System fill fluid	KN 2			
Ambient temperature	min. +10 °C, max +40 °C			
Wetted material	Stainless steel 1.4404/1.4435 (316L)		Hastelloy C276	
Process connection	G 1/2	1/2 NPT	G 1/2	1/2 NPT
1 bar	14200403	14200421	14200442	14200466
1.6 bar	14200407	14200422	14200450	14200467
2.5 bar	14200408	14200424	14200451	14200468
4 bar	14200410	14200426	14200452	14200470
6 bar	14200411	14200435	14200454	14200473
10 bar	14200412	14200436	14200455	14200474
16 bar	14200413	14200437	14200456	14200476
25 bar	14200414	14200438	14200458	14200477
40 bar	14200443	14200448	14200459	14200479
60 bar	14200444	14200449	14200460	14200480
-1 ... 5 bar	14200416	14200439	14200462	14200481
-1 ... 9 bar	14200418	14200440	14200463	14200485
-1 ... 10 bar	14200419	14200441	14200464	14200488

Legend: available from stock in Germany available after production ---- not available

Chemical industry

Petrochemical industry

Oil and gas

DSS10T

Applications

- For aggressive, corrosive, environmentally hazardous or toxic media
- Chemical and petrochemical industries
- Harsh environments in the process industry

Special features

- Process connection with thread to provide for direct threaded connection
- Version with internal diaphragm
- Diaphragm seal parts screwed together
- Universal application

Order numbers

Pressure measuring instrument	High-quality sensor, lower mount			
Mounting	Direct mounting			
System fill fluid	KN 2 (for general application)			
Ambient temperature	min. +10 °C max +40 °C			
Wetted material	Stainless steel 1.4404/1.4435 (316L)		Hastelloy C276	
Process connection	G ½	½ NPT	G ½	½ NPT
1 bar	14223093	14223123	14223178	14223221
1.6 bar	14223097	14223124	14223179	14223223
2.5 bar	14223099	14223126	14223180	14223224
4 bar	14223100	14223128	14223182	14223225
6 bar	14223106	14223129	14223184	14223226
10 bar	14223109	14223131	14223185	14223227
16 bar	14223110	14223133	14223186	14223229
25 bar	14223112	14223134	14223187	14223230
40 bar	14223114	14223136	14223188	14223231
60 bar	14223115	14223139	14223189	14223233
-1 … 5 bar	14223118	14223169	14223190	14223234
-1 … 9 bar	14223119	14223176	14223191	14223235
-1 … 10 bar	14223121	14223177	14223192	14223236

Legend: available from stock in Germany available after production ---- not available

Chemical industry | Petrochemical industry | Oil and gas | Water and wastewater

DSS34M

Applications

- For aggressive, contaminated or hot media
- Chemical and petrochemical industries
- Water treatment

Special features

- Process connection with thread to provide for direct threaded connection
- Version with internal diaphragm
- Diaphragm seal parts all welded
- Universal application

Order numbers

Pressure measuring instrument	Pressure gauge per EN 837-1, NS 100, lower mount			
Mounting	Direct mounting			
System fill fluid	KN 2 (for general application)			
Ambient temperature	min. + 10 °C, max. + 40 °C			
Wetted material	Stainless steel 1.4435 (316L)		Stainless steel 1.4435 (HC276)	
Process connection	G 1/2	1/2 NPT	G 1/2	1/2 NPT
1 bar	14200489	14200511	14200528	14200692
1.6 bar	14200494	14200512	14200529	14200693
2.5 bar	14200495	14200513	14200531	14200697
4 bar	14200496	14200514	14200532	14200698
6 bar	14200497	14200515	14200533	14200701
10 bar	14200498	14200516	14200534	14200702
16 bar	14200500	14200517	14200535	14200710
25 bar	14200501	14200519	14200536	14200711
40 bar	14200504	14200520	14200537	14200714
60 bar	14200505	14200521	14200538	14200717
-1 ... 5 bar	14200508	14200523	14200539	14201170
-1 ... 9 bar	14200509	14200524	14200540	14201174
-1 ... 10 bar	14200510	14200525	14200541	14201176

Legend: available from stock in Germany available after production ---- not available

Chemie | Petrochemie | Öl und Gas | Water and wastewater

DSS34T

Applications

- For aggressive, contaminated or hot media
- Chemical and petrochemical industries
- Water treatment

Special features

- Process connection with thread to provide for direct threaded connection
- Version with internal diaphragm
- Diaphragm seal parts all welded
- Universal application

Order numbers

Pressure measuring instrument	High-quality sensor, lower mount			
Mounting	Direct mounting			
System fill fluid	KN 2 (for general application)			
Ambient temperature	min. +10 °C, max. +40 °C			
Wetted material	Stainless steel 1.4404/1.4435 (316L)		Hastelloy C276	
Process connection	G ½	½ NPT	G ½	½ NPT
1 bar	14223240	14223285	14223304	14223322
1.6 bar	14223241	14223287	14223306	14223323
2.5 bar	14223254	14223288	14223307	14223324
4 bar	14223256	14223290	14223308	14223325
6 bar	14223257	14223291	14223309	14223326
10 bar	14223258	14223292	14223312	14223327
16 bar	14223261	14223293	14223313	14223328
25 bar	14223262	14223295	14223315	14223329
40 bar	14223263	14223296	14223316	14223330
60 bar	14223281	14223298	14223317	14223331
-1 … 5 bar	14223282	14223299	14223319	14223332
-1 … 9 bar	14223283	14223301	14223320	14223333
-1 … 10 bar	14223284	14223303	14223321	14223334

Legend: available from stock in Germany available after production ---- not available

Food and beverages

Pharmaceuticals and Biotechnology

DSS22F

Applications

- Hygienic pressure measurement in sanitary applications for the food and beverage industry
- Mechanical pressure display on pipelines and vessels
- Pressure/vacuum monitoring during cleaning, sterilisation, pressure testing
- For gases, compressed air, vapour; liquid, pasty, powdery and crystallising media

Special features

- Quick cleaning, without residue
- Clamp connection easy to open for cleaning and seal replacement
- Suitable for SIP (sterilisation in place) und CIP (cleaning in place)

Order numbers

Pressure measuring instrument	Pressure gauge per EN 837-1, lower mount			
Mounting	Direct mounting			
Wetted material	Stainless steel 1.4435 (316L) Ra ≤ 0.76 µm			
System fill fluid	KN 92 (FDA, NSF H1, USP, EP, JP)			
Ambient temperature	min. +10 °C, max. +40 °C / Process temperature: 10 … 80 °C (for sterilisation (SIP) max. 130 °C)			
Process connection	BS 4825 part 3 or O.D. tube		DIN 11866 row C or ASME BPE	
	1/2"	2"	1 1/2"	2"
	(Outer diameter x wall thickness 38.1 x 1.6 mm)	(Outer diameter x wall thickness 50.8 x 1.6 mm)	(Outer diameter x wall thickness 38.1 x 1.65 mm)	(Outer diameter x wall thickness 50.8 x 1.65 mm)
1 bar	14200289	14200309	14200328	14200343
1.6 bar	14200290	14200311	14200329	14200344
2.5 bar	14200292	14200313	14200330	14200346
4 bar	14200293	14200315	14200331	14200347
6 bar	14200294	14200316	14200332	14200348
10 bar	14200295	14200318	14200334	14200351
16 bar	14200296	14200320	14200337	14200353
25 bar	14200304	14200322	14200338	14200354
-1 ... 5 bar	14200305	14200323	14200340	14200355
-1 ... 9 bar	14200306	14200324	14200341	14200356
-1 ... 10 bar	14200308	14200327	14200342	14200357

Legend: available from stock in Germany available after production ---- not available

Food and beverages

Pharmaceuticals and Biotechnology

DSS22T

Applications

- Hygienic pressure measurement in sanitary applications for the food and beverage industry
- Mounting to pipelines and vessels with 4 ... 20 mA output signal
- Pressure/vacuum monitoring during cleaning, sterilisation, pressure testing
- For gases, compressed air, vapour; liquid, pasty, powdery and crystallising media

Special features

- Quick cleaning, without residue
- Clamp connection easy to open for cleaning and seal replacement
- Suitable for SIP (sterilisation in place) und CIP (cleaning in place)

Order numbers

Pressure measuring instrument	Pressure gauge per EN 837-1, lower mount			
Mounting	Direct mounting			
Wetted material	Stainless steel 1.4435 (316L) Ra ≤ 0.76 µm			
System fill fluid	KN 92 (FDA, NSF H1, USP, EP, JP)			
Ambient temperature	min. +10 °C, max. +40 °C / Process temperature: 10 … 80 °C (for sterilisation (SIP) max. 130 °C)			
Process connection	BS 4825 part 3 or O.D. tube		DIN 11866 row C or ASME BPE	
	1/2"	2"	1 1/2"	2"
	(Outer diameter x wall thickness 38.1 x 1.6 mm)	(Outer diameter x wall thickness 50.8 x 1.6 mm)	(Outer diameter x wall thickness 38.1 x 1.65 mm)	(Outer diameter x wall thickness 50.8 x 1.65 mm)
1 bar	14224809	14224832	14224844	14224860
1.6 bar	14224810	14224833	14224846	14224861
2.5 bar	14224811	14224834	14224847	14224864
4 bar	14224812	14224835	14224848	14224865
6 bar	14224814	14224836	14224850	14224867
10 bar	14224817	14224837	14224851	14224869
16 bar	14224819	14224838	14224852	14224870
25 bar	14224820	14224839	14224854	14224873
-1 … 5 bar	14224828	14224840	14224855	14224876
-1 … 9 bar	14224829	14224841	14224858	14224877
-1 … 10 bar	14224830	14224843	14224859	14224879

Legend: available from stock in Germany available after production ---- not available

Food and beverages

Pharmaceuticals and Biotechnology

DSS22P

Applications

- Hygienic pressure measurement in the pharmaceutical industry
- Mechanical pressure display on pipelines, fermenters, bioreactors and vessels
- Pressure/vacuum monitoring during cleaning, sterilisation, pressure testing
- For gases, compressed air, vapour; liquid, pasty, powdery and crystallising media

Special features

- Case and wetted parts in hygienic design
- Clamp connection easy to open for cleaning and seal replacement
- Suitable for SIP (sterilisation in place) und CIP (cleaning in place)
- Easy zero point setting

Order numbers

Pressure measuring instrument	Pressure gauge in hygienic design, lower mount			
Mounting	Direct mounting			
Wetted material	Stainless steel 1.4435 (316L) Ra ≤ 0.38 µm electropolished			
System fill fluid	KN 92 (FDA, NSF H1, USP, EP, JP)			
Ambient temperature	min. +10 °C, max. +40 °C / Process temperature: 10 … 80 °C (for sterilisation (SIP) max. 130 °C)			
Process connection	BS 4825 part 3 or O.D. tube		DIN 11866 row C or ASME BPE	
	1/2"	2"	1 1/2"	2"
	(Outer diameter x wall thickness 38.1 x 1.6 mm)	(Outer diameter x wall thickness 50.8 x 1.6 mm)	(Outer diameter x wall thickness 38.1 x 1.65 mm)	(Outer diameter x wall thickness 50.8 x 1.65 mm)
4 bar	14200239	14200251	14200271	14200281
6 bar	14200241	14200255	14200272	14200282
10 bar	14200243	14200257	14200273	14200283
16 bar	14200244	14200260	14200275	14200284
25 bar	14200245	14200262	14200276	14200285
-1 ... 5 bar	14200247	14200266	14200277	14200286
-1 ... 9 bar	14200248	14200267	14200278	14200287
-1 ... 10 bar	14200249	14200270	14200280	14200288

Legend: available from stock in Germany available after production ---- not available

Food and beverages

Pharmaceuticals and Biotechnology

DSS18F

Applications

- Hygienic pressure measurement in sanitary applications for the food and beverage industry
- For dairies, dairy products, breweries and soft drink production
- Mechanical pressure display on pipelines and vessels
- For gases, compressed air, vapour; liquid, pasty, powdery and crystallising media

Special features

- Quick cleaning, without residue
- Easy to open for cleaning and seal replacement
- Suitable for SIP (sterilisation in place) und CIP (cleaning in place)

Order numbers

Pressure measuring instrument	Pressure gauge per EN 837-1, lower mount		
Mounting	Direct mounting		
Wetted material	Stainless steel 1.4435 (316L) Ra ≤ 0.76 µm		
System fill fluid	KN 92 (FDA, NSF H1, USP, EP, JP)		
Ambient temperature	min. +10 °C, max. +40 °C / Process temperature: 10 … 80 °C (for sterilisation (SIP) max. 130 °C)		
Process connection	DN 25	DN 40	DN 50
1 bar	14200360	14200375	14200388
1.6 bar	14200362	14200376	14200390
2.5 bar	14200364	14200378	14200392
4 bar	14200365	14200379	14200393
6 bar	14200366	14200381	14200394
10 bar	14200367	14200382	14200396
16 bar	14200368	14200383	14200397
25 bar	14200369	14200384	14200399
-1 ... 5 bar	14200370	14200385	14200400
-1 ... 9 bar	14200371	14200386	14200401
-1 ... 10 bar	14200372	14200387	14200402

Legend: available from stock in Germany available after production ---- not available

Food and beverages

Pharmaceuticals and Biotechnology

DSS18T

Applications

- Hygienic pressure measurement in sanitary applications for the food and beverage industry
- Mounting to pipelines and vessels with 4 ... 20 mA output signal
- For dairies, dairy products, breweries and soft drink production
- For gases, compressed air, vapour; liquid, pasty, powdery and crystallising media

Special features

- Quick cleaning, without residue
- Easy to open for cleaning and seal replacement
- Suitable for SIP (sterilisation in place) und CIP (cleaning in place)

Order numbers

Pressure measuring instrument	Pressure gauge per EN 837-1, lower mount		
Mounting	Direct mounting		
Wetted material	Stainless steel 1.4435 (316L) Ra ≤ 0.76 µm		
System fill fluid	KN 92 (FDA, NSF H1, USP, EP, JP)		
Ambient temperature	min. +10 °C, max. +40 °C / Process temperature: 10 … 80 °C (for sterilisation (SIP) max. 130 °C)		
Process connection	DN 25	DN 40	DN 50
1 bar	14224724	14224752	14224791
1.6 bar	14224725	14224754	14224792
2.5 bar	14224726	14224757	14224793
4 bar	14224736	14224763	14224795
6 bar	14224741	14224775	14224796
10 bar	14224742	14224781	14224797
16 bar	14224743	14224784	14224799
25 bar	14224745	14224785	14224800
-1 … 5 bar	14224746	14224788	14224801
-1 … 9 bar	14224747	14224789	14224802
-1 … 10 bar	14224750	14224790	14224803

Legend: available from stock in Germany available after production ---- not available

Food and beverages

Pharmaceuticals and Biotechnology

DSS19F

Applications

- Hygienic pressure measurement in sanitary applications for the food and beverage industry
- Mechanical pressure display on pipelines and vessels
- For dairies, dairy products, breweries and soft drink production
- For gases, compressed air, vapour; liquid, pasty, powdery and crystallising media

Special features

- Quick cleaning, without residue
- SMS threaded connection
- Suitable for SIP (sterilisation in place) und CIP (cleaning in place)

Order numbers

Pressure measuring instrument	Pressure gauge per EN 837-1, lower mount	
Mounting	Direct mounting	
Wetted material	Stainless steel 1.4404/1.4435 (316L)	
System fill fluid	System fill fluid KN 92 (FDA, NSF H1, USP, EP, JP)	
Ambient temperature	min. +10 °C, max. +40 °C / Process temperature: 10 … 80 °C (for sterilisation (SIP) max. 130 °C)	
Process connection	1 ½"	2"
1 bar	14209381	14210070
1.6 bar	14210047	14210071
2.5 bar	14210048	14210072
4 bar	14210051	14210074
6 bar	14210053	14210075
10 bar	14210054	14210076
16 bar	14210055	14210078
25 bar	14210056	14210081
-1 … 5 bar	14210059	14210083
-1 … 9 bar	14210064	14210084
-1 … 10 bar	14210065	14210085

Legend: available from stock in Germany available after production ---- not available

Food and beverages

Pharmaceuticals and Biotechnology

DSS19T

Applications

- Hygienic pressure measurement in sanitary applications for the food and beverage industry
- Mounting to pipelines and vessels with 4 ... 20 mA output signal
- For dairies, dairy products, breweries and soft drink production
- For gases, compressed air, vapour; liquid, pasty, powdery and crystallising media

Special features

- Quick cleaning, without residue
- Easy to open for cleaning and seal replacement
- Suitable for SIP (sterilisation in place) und CIP (cleaning in place)

Order numbers

Pressure measuring instrument	High-quality sensor	
Mounting	Direct mounting	
Wetted material	Stainless steel 1.4435 (316L) Ra ≤ 0.76 µm	
System fill fluid	KN 92 (FDA, NSF H1, USP, EP, JP)	
Ambient temperature	min. +10 °C, max. +40 °C / Process temperature: 10 … 80 °C (for sterilisation (SIP) max. 130 °C)	
Process connection	1 1/2"	2"
1 bar	14224670	14224692
1.6 bar	14224672	14224693
2.5 bar	14224674	14224694
4 bar	14224675	14224696
6 bar	14224678	14224698
10 bar	14224679	14224700
16 bar	14224684	14224702
25 bar	14224685	14224706
-1 … 5 bar	14224686	14224709
-1 … 9 bar	14224689	14224711
-1 … 10 bar	14224690	14224715

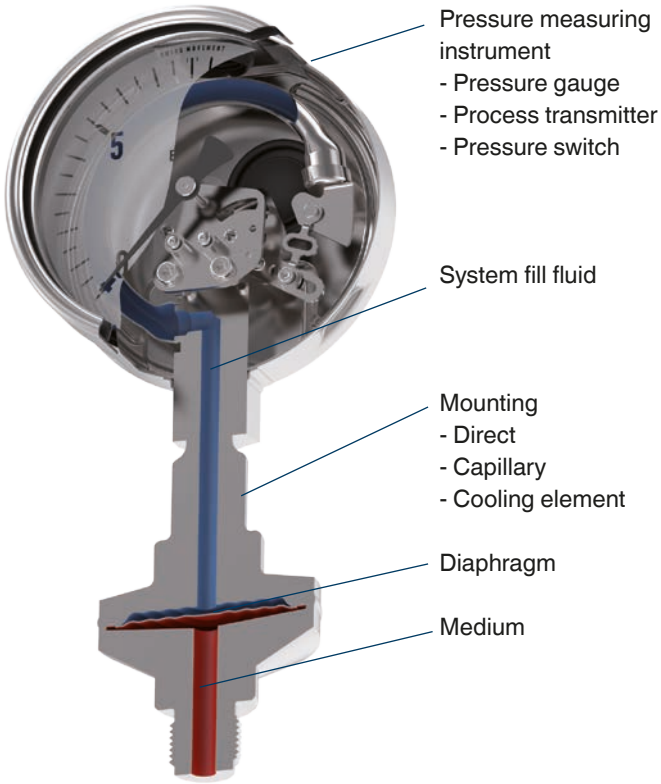
Legend: available from stock in Germany available after production ---- not available

Operating principle of diaphragm seal systems

By using diaphragm seals, pressure measuring instruments can be adapted to even the harshest of conditions within process industries. A diaphragm separates the medium to be measured from the pressure measuring instrument. The internal space between the diaphragm and the pressure measuring instrument is completely filled with a system fill fluid.

The process pressure is transmitted by the elastic diaphragm into the fluid and from there to the measuring instrument.

A wide variety of designs and material combinations are available for customer-specific solutions. The accurate pressure measurement of all ranges from approx. 10 mbar up to 3,600 bar, even at extreme temperatures (range -130 … +400 °C), is thus possible under extreme conditions.



The realisation of your individual solution

Create your perfect diaphragm seal solution together with us. From the wide variety of realisable combinations, our technical experts will find a proven solution for your application. As required, we will adapt our systems to your individual application.

Talk to us – we are happy to provide you with advice!

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