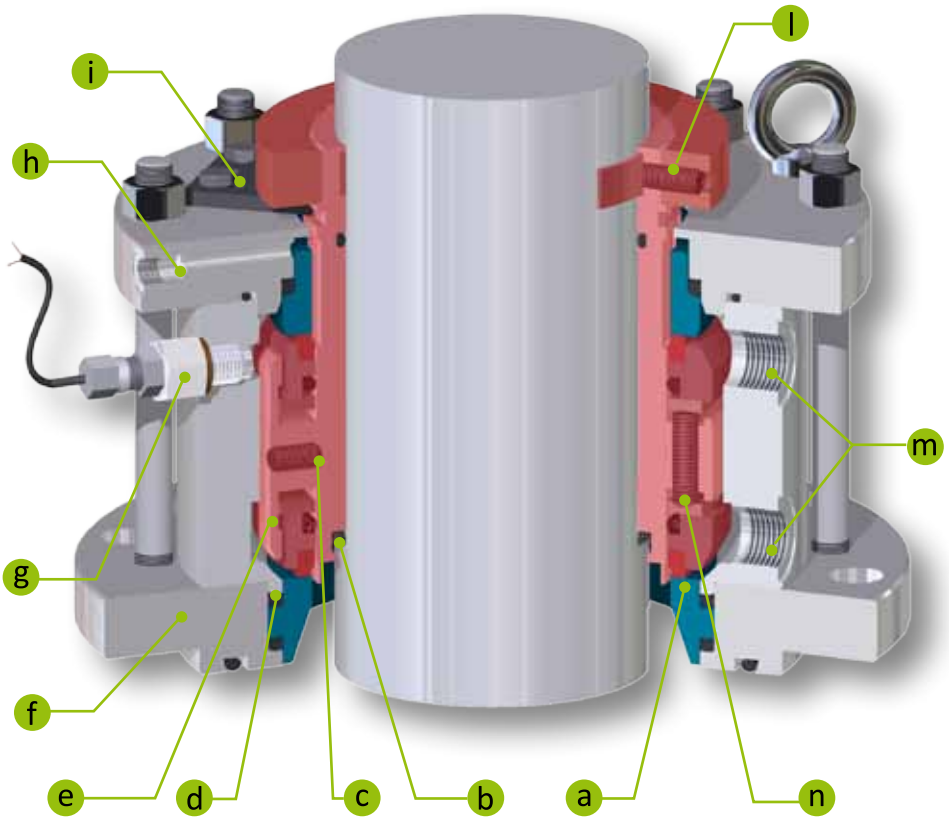
GT 1811 A

A pre-assembled back-to-back double cartridge seal with materials of construction selected according to specific operating conditions. Since 1988, this tried and trusted design has been fitted in thousands of chemical and pharmaceutical plants around the world. The GT 1821 A is available with dimensions compliant with DIN 28138 (flange) and DIN 28159 (shaft).



Characteristics

a) Robust, carefully designed seal rings.

b) FLUIGAM: product side PTFE energized gasket.

c) Single body double seal to reduce axial length.

d) Retained stationary ring to prevent blow out during reverse pressure.

e) Robust drive lugs that can tolerate run-out and vibration.

f) Optional: sanitary flange to prevent product contamination and cooling flange for high temperature applications.

g) Optional thermocouple for ATEX applications.

h) Atmosphere leakage monitoring connection.

i) Positioning device for easy, precise installation.

l) Drive collar designed to prevent locking screws damaging the shaft.

m) Flushing connections designed to ensure air is always vented.

n) Multiple springs outside the product for uniform load on the seal faces.

*NOTE: barrier fluid pressure must always be higher than the process pressure with **ΔP** as per operating limits.

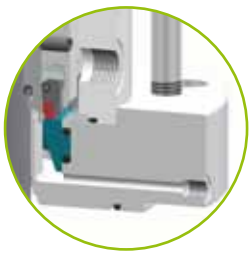
Operating limits

DIAMETER *(mm)*	**FROM 35 TO 220**
SPEED *(m/s)*	**≤ 10**
TEMPERATURE *(°C)*	**FROM -50 TO 250**
ΔP= 1 - 2 *bar See NOTE**	
PROCESS PRESSURE *(bar)*	**VACUUM TO 18**

For operating limits other than those specified, please consult our Technical Department. The pressure and speed values indicated are not absolute limits, but should be evaluated by calculating the pressure x velocity value (PV) and considering the temperature, chemical and physical characteristics of the fluid to be sealed.

OPTIONAL FLANGES (see pg. 41)

Flange with cooling chamber

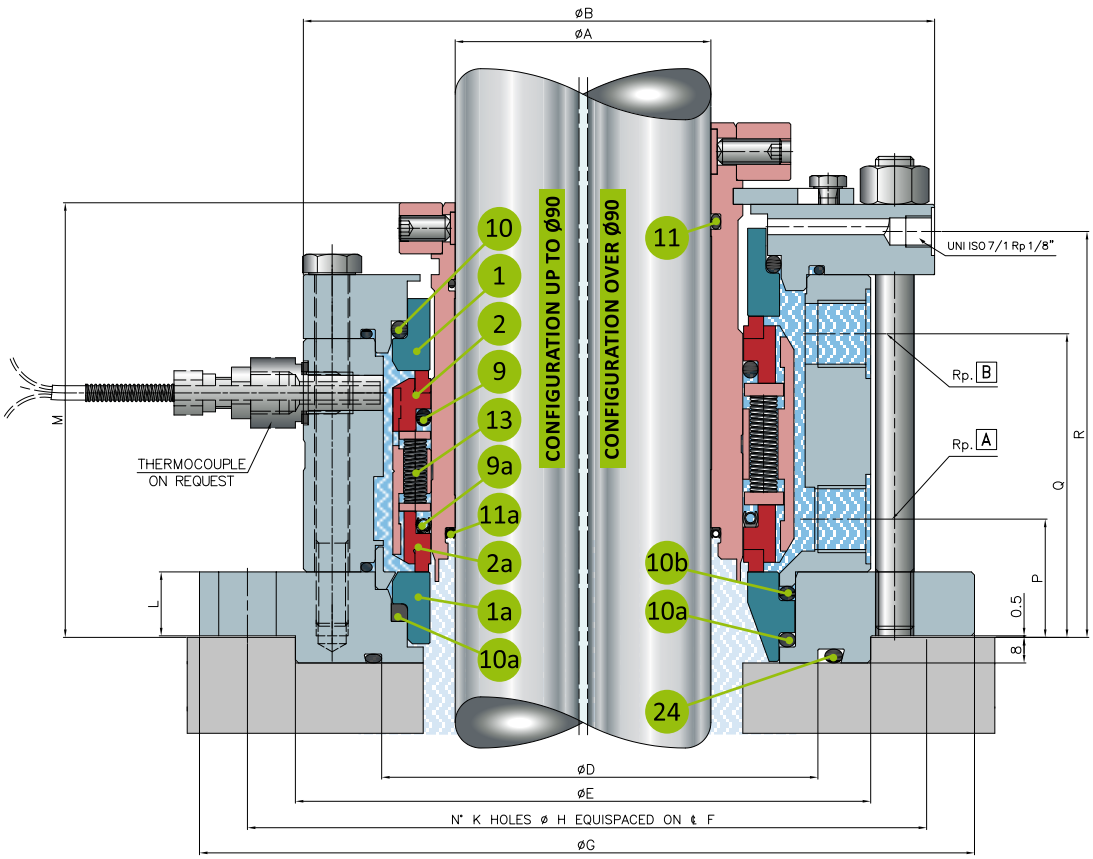


Sanitary flange

Sanitary flange with cooling chamber

FOOD INDUSTRY
CHEMICAL INDUSTRY
WET LUBRICATED
BI-DIRECTIONAL
SIDE ENTRY
TOP ENTRY

Images and dimensions may differ slightly from the standard configuration or refer to different markets. The product may be subjected to technical or commercial modifications without notification.



COMPONENT KEY (standard materials)

1 Silicon carbide stationary ring (U31)
1a Silicon carbide stationary ring (U31)
2 Rotating ring in AISI 316 + graphite (Z32) or solid graphite (Z11)
2a Rotating ring in AISI 316 + graphite (Z32) or solid graphite (Z11)
9 Rotating seal gasket in FKM (V) or EPDM (D)
9a Rotating ring gasket in FKM (V), EPDM (D) or Fluigam: energized PTFE (T3)
10 Stationary ring gasket in FKM (V) or EPDM (D)
10a Stationary ring gasket in FKM (V), EPDM (D) or PTFE (T)
10b Stationary ring gasket in FKM (V) or EPDM (D)
11 Atmosphere side sleeve gasket in FKM (V) or EPDM (D)
11a Product side sleeve gasket in FKM (V), EPDM (D) or Fluigam: energized PTFE (T3)
13 Springs and other parts in AISI 316 (E)
24 Flange gasket in PTFE (T)
Rp. A - Rp. B: auxiliary fluid input/output

A *h8*	SEAL *Ø*	B	D	E *e8*	F	G	K *HOLES*	H *Ø*	L	M	P	Q	Rp.A-B *UNI ISO 7/1*
35 40	50	110	70	110	145	175	4	18	17	112	33	60	3/8"
45 50	60	130	81	135	165	195	6	18	20	125	37	69	3/8"
55 60	70	145	95	150	180	210	6	18	20	128	37	73	3/8"
65 70	80	160	114	165	195	225	6	18	20	133	37	76	3/8"
75 80	95	175	126	180	210	240	6	18	20	136	38	76	1/2"
85 90	100	180	130	180	215	245	8	18	20	136	38	76	1/2"
95 100 105	120	240	167	200	235	265	8	18	20	161	37	95	1/2"
110 115	130	250	179	210	245	275	8	18	20	161	37	95	1/2"
120 125	140	260	189	220	255	285	8	18	20	164	37	96	1/2"
130 135	150	285	209	245	280	310	8	18	25	182	46	112	1/2"
140	160	300	215	250	290	325	8	18	25	191	46	122	1/2"
145 150	170	310	235	265	300	335	8	18	25	191	46	122	1/2"
155 160	180	320	240	275	310	345	8	18	25	191	46	122	1/2"
165 170	190	330	250	285	320	355	8	18	25	192	46	122	1/2"
175 180	200	345	260	295	340	380	8	22	25	192	46	127	1/2"
185 190	210	360	275	310	355	395	8	22	25	206	50	138	1/2"
195 200	220	370	285	320	365	405	10	22	25	211	50	138	1/2"
210 220	240	390	300	340	385	425	10	22	25	211	50	138	1/2"

Measurements are expressed in millimetres. For measurements differing from those listed or measurements in inches, please contact our Technical Sales Department at info@fluiten.it

GT 1811/GT 1810

Alternative flanges for Double seal with pressurized or non-pressurized flushing.
The cooling chamber flange is recommended for temperatures exceeding 250°C.

Flange with cooling chamber (C)

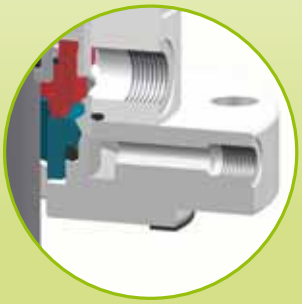
Sanitary flange (D)

Sanitary flange with cooling chamber (E)

GT 1924/GT 1923

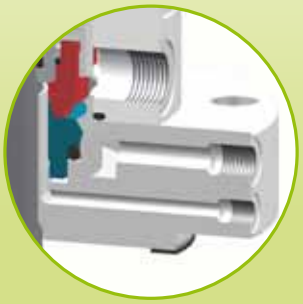
Alternative flanges for Double seal suitable for high pressure.
The cooling chamber flange is recommended for temperatures exceeding 250°C.

Flange with cooling chamber (C)



Sanitary flange (D)

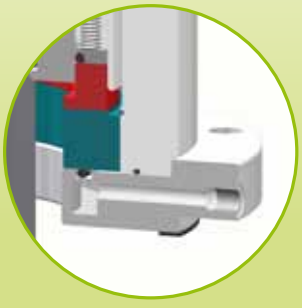
Sanitary flange with cooling chamber (E)



GT 1911/GT 1910

Alternative flanges for Double gas seal.

Flange with cooling chamber (C)



Sanitary flange (D)

Sanitary flange with cooling chamber (E)