

GT 2887A

Single balanced external mechanical seal in cartridge configuration complete with flange and shaft sleeve and auxiliary seal device to allow static or continuous atmospheric pressure quenching. Construction details ensure high shaft run-out values.

Equipped with ball or roller bearing to decrease seal area run-out.

Characteristics

a) Rotating silicon carbide one piece solid ring with "Fluigrad" technology and stationary one piece solid ring in anti-friction material suitable for dry running.

b) Axial anti-extrusion locking on the stationary ring.

c) Flange constructed to guarantee correct stationary ring alignment.

d) Optional: sanitary flange for avoiding product contamination and stationary ring cooling chamber for conditions that are beyond standard.

e) Dynamic gasket fixed on corrected and suitably prepared surfaces.

f) Multiple springs outside of the product for uniform load on the seal surfaces.

g) Positioning system for easy, precise installation.

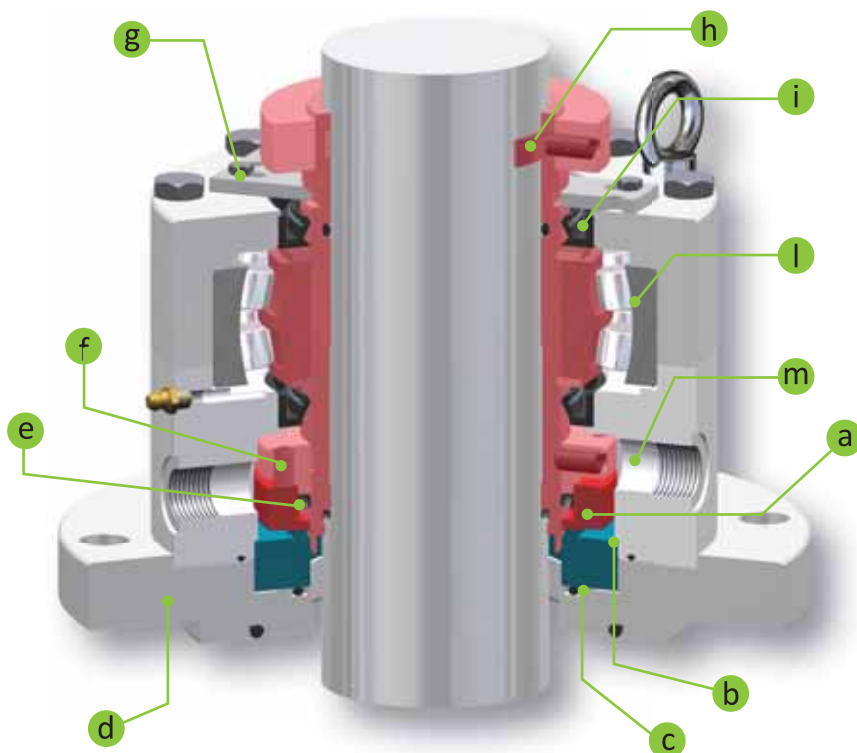
h) Collar with locking dowels and piston ring to drag the rotating part without tracing.

i) Bearing protection ring to contain lubrication.

l) Ball or roller bearing, radial thrust discharge point of the shaft for less seal area run-out.

m) Dual use connections:
- ventilation for dry use
- continuous or intermittent washing with atmospheric pressure fluid

NOTE: A hissing sound may be caused in particular conditions. This does not indicate a seal defect and does not compromise correct operation.

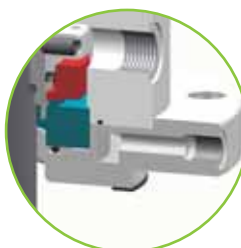


Operating limits

DIAMETER (mm)	FROM 50 TO 240
SPEED (m/s)	≤ 3
TEMPERATURE (°C)	FROM -50 TO 150
PROCESS PRESSURE (bar)	VACUUM TO 6

Operating limits other than those specified can be defined and approved by our Technical Sales Department. The speed and pressure values indicated are not absolute limits but should be evaluated by calculating their product P•V and also keeping in mind the temperature and chemical and physical characteristics of the fluid to be held.

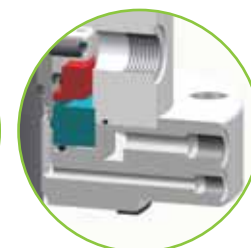
OPTIONAL FLANGES (see pg. 40)



Flange with cooling chamber



Sanitary flange



Sanitary flange with cooling chamber



FOOD
INDUSTRY



CHEMICAL
INDUSTRY



PHARMACEUTICAL
INDUSTRY



DRY CONTACTING
RUNNING

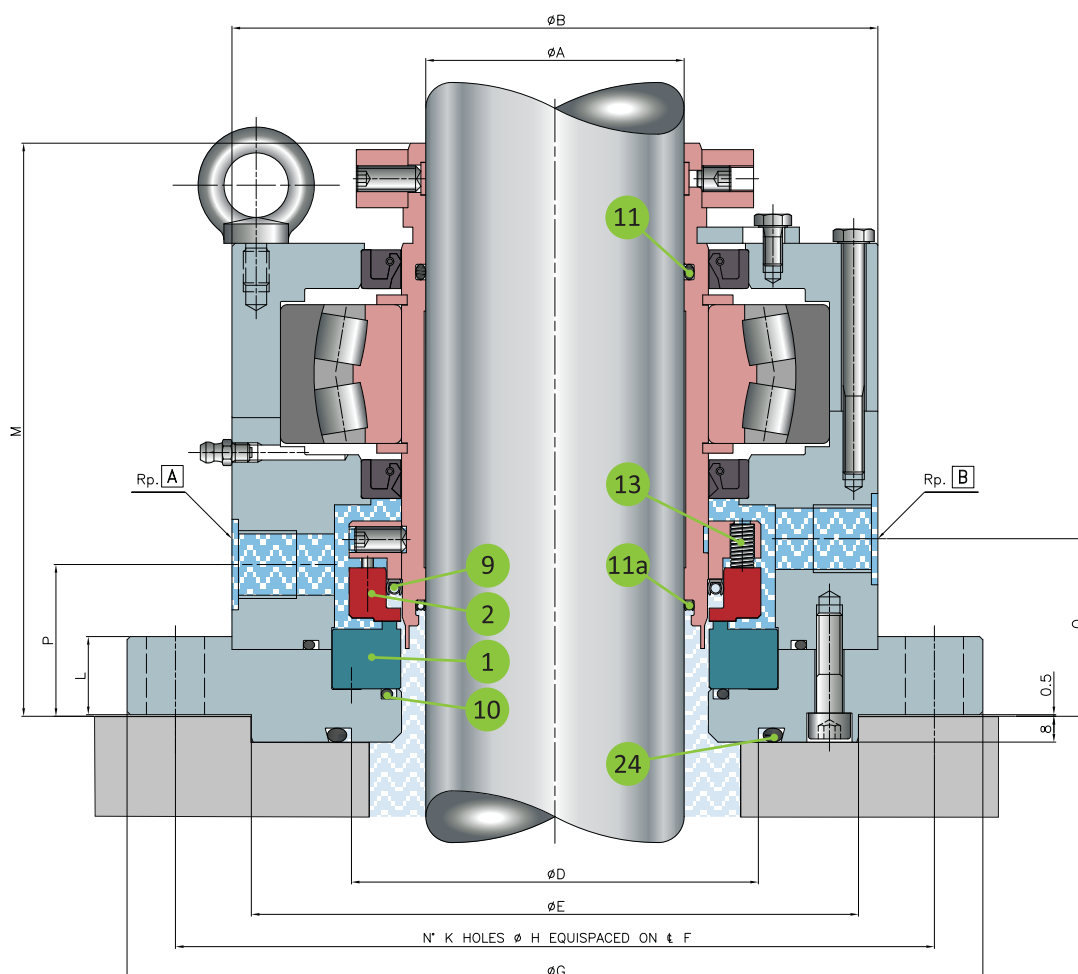


BI-DIRECTIONAL



TOP
ENTRY

Images and dimensions may contain elements differing from the standard configuration or refer to different markets. The product may be subjected to technical or commercial modifications.


COMPONENT KEY
(standard materials)

1 Stationary ring in special graphite for dry running (ZD71) or FDA approved graphite for dry running (ZD51)

2 Silicon carbide rotating ring (U31)

9 Rotating seal gasket in FKM (V), EPDM (D) or Fluigam: energized PTFE (T3)

10 Stationary ring gasket in FKM (V), EPDM (D) or FFKM (G720)

11 Atmosphere side sleeve gasket in FKM (V), EPDM (D) or Fluigam: energized PTFE (T3)

11a Product side sleeve gasket in FKM (V), EPDM (D)

13 Springs and other metal parts in AISI 316

24 Flange gasket in PTFE (T)

Rp. A - Rp. B: washing or ventilation 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	119	56	120	145	170	6	13	25	133	42	51	3/8"
45 50	60	140	66	130	155	180	6	13	25	142	42	55	3/8"
55 60	70	155	76	150	180	210	6	18	25	152	42	55	3/8"
65 70	80	170	86	165	195	225	6	18	25	160	42	55	3/8"
75 80	95	200	100	180	210	240	6	18	25	180	45	55	1/2"
85 90	100	210	106	180	215	245	8	18	25	180	45	55	1/2"
95 100 105	120	220	127	220	255	285	8	18	30	228	55	90	1/2"
110 115	130	260	137	230	265	295	8	18	30	230	55	90	1/2"
120 125	140	260	146	240	275	305	8	18	30	238	55	90	1/2"
130 135	150	280	159	250	285	315	8	18	30	242	55	90	1/2"
140 145	160	290	172	260	295	325	8	18	35	265	60	105	1/2"
150 155	170	310	178	270	305	335	10	18	35	280	60	105	1/2"
165 170	180	300	191	280	315	345	10	18	35	258	60	105	1/2"
175 180	190	310	197	290	325	355	10	18	35	260	60	105	1/2"
185 190	200	330	210	300	335	365	10	18	35	284	60	105	1/2"
195 200	210	350	222	310	345	375	10	18	35	287	60	105	1/2"
210 220	220	350	229	320	355	385	12	18	35	290	60	110	1/2"
210 220	240	370	248	340	375	405	12	18	35	290	60	115	1/2"

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

Every mechanical seal can be equipped with optional flanges for higher performance and use. The flange with a cooling chamber allows for use of the mechanical seal with process temperatures higher than general limits. This flange is identified with the letter C in the seal code.

The sanitary flange allows for the collection and removal of any particles or leakages on the seal toward the product, allowing use in those hygienic application. This flange is identified with the letter D in the seal code.

The sanitary flange with cooling chamber keep the features of both flanges described, useful for uses at high temperatures and with high sterility parameters. This flange is identified with the letter E in the seal code.

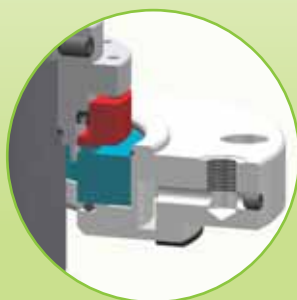
The standard flange is instead identified with the letter A in the seal code.

GT 2888/GT 2887

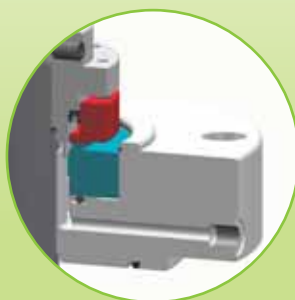
Alternative flanges for single mechanical seal suitable for dry running.

The cooling chamber flange is recommended for temperatures exceeding 80°C.

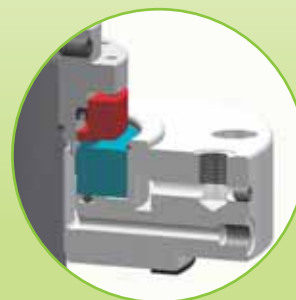
Flange with
cooling chamber (C)



Sanitary flange (D)



Sanitary flange
with cooling
chamber (E)



GT 1855

Alternative flange for single mechanical seal suitable for dry running.

Sanitary flange (D)

