

GYLON BIO-PRO® PLUS

Quality seals for the pharmaceutical and food industry



GYLON BIO-PRO® PLUS

New perspectives for all sanitary gaskets in the pharmaceutical and food industry.



100% pure PTFE, dimensionally stable and transparent, meets the highest requirements of the pharmaceutical and food industry.

Manufactured from our proprietary GYLON® style 3522 modified PTFE, GYLON BIO-PRO® PLUS delivers best in class performance across all critical factors such as compliance, chemical compatibility, sealability, creep and cold flow. This next generation sanitary gasket ensures ease of installation and long term operational integrity in the most challenging and critical applications. GYLON BIO-PRO® PLUS is pre-formed and stress controlled with high manufacturing precision, helping to eliminate critical and costly contamination issues often associated with gasket recession or intrusion within hygienic couplings. With a smooth surface finish, the GYLON BIO-PRO® PLUS is ideal for product contact applications and is a top performer relative to both CIP and SIP cycle life, regardless of cleaning media or sterilization procedure.

Technical Data

» Temperatures -210 to +260 °C
» Pressure 55 bar
» Production site Germany

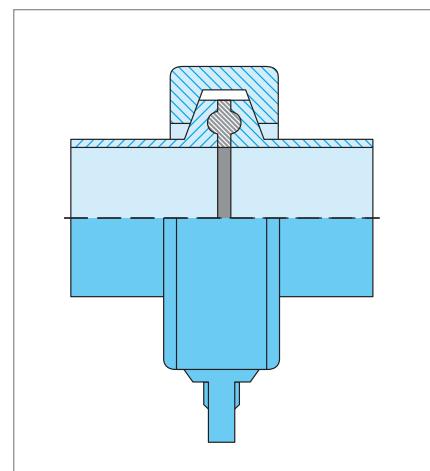
Standards and Certifications

» 3-A
» Meets FDA 21 CFR177.1550
» NSF 61 Standard
» EC 1935/2004
» EC 10/2011
» 62.BfR
» USP Class VI Chapter 87 & 88
» USP part 31, 281 & 661
» ADI – free (TSE, BSE)
» Phthalate and softener free
» TA-Luft incl. blow-out proof certificate
» BAM tested

Key Attributes

» 100% PTFE – free of fillers and pigments
» Traceability: Batch number on the package
» Hygienic design according to EHEDG
» High resistance to almost all chemicals and temperature cycles
» No cold flow and decreased creep relaxation
» Dimensionally stable – no intrusion or extrusion into the process flow
» Universal with unlimited shelf life
» Ideal for SIP & CIP processes

Application



Standard Tri-Clamp connection

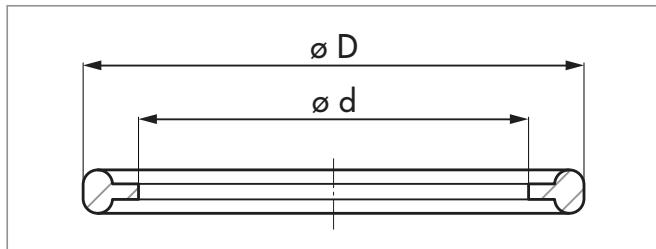
Ideal for

» Pharmaceutical
» Bio-Pharmaceutical
» Dairy
» Food
» Beverage
» Cosmetic & Personal Care

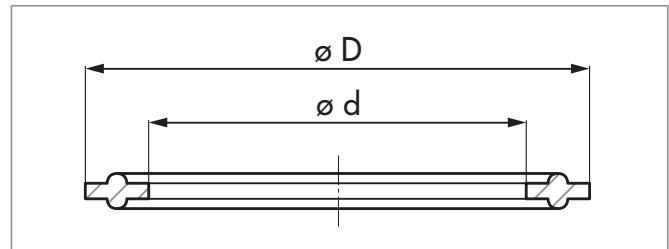
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Seals for Tri-Clamp connections

GYLON BIO-PRO® PLUS T1



GYLON BIO-PRO® PLUS T2



Depending on the standard and flange geometry, Garlock differentiates two gasket designs of Tri-Clamp connections.
'Miniclamps' are characterized with T1, all remaining seals represent the type T2.

DIN EN 11850 / DIN 18850 (DIN 11866 Series A)		
DN	Ø d	Ø D
6 _{T1}	6,2	21,8
8 _{T1}	8,2	21,8
10	10,2	34,0
15	16,2	34,0
20	20,2	34,0
25	26,2	50,5
32	32,2	50,5
40	38,2	50,5
50	50,2	64,0
65	66,2	91,0
80	81,2	106,0
100	100,2	119,0
125	125,2	155,0
150	150,2	183,0
200	200,2	233,5

ISO 1127 (DIN 11866 Series B)		
DN	Ø d	Ø D
10,2 _{T1}	7,2	21,8
13,5 _{T1}	10,5	21,8
17,2 _{T1}	14,2	21,8
21,3	18,3	50,5
26,9	23,9	50,5
33,7	29,9	50,5
42,4	28,6	64,0
48,3	44,5	64,0
60,3	56,5	77,5
76,1	72,3	91,0
88,9	84,5	106,0
114,3	109,9	130,0
139,7	134,7	155,0
168,3	163,3	183,0
214,1	214,1	233,5

ASME BPE 2014 (DIN 11866 Series C)		
DN	Ø d	Ø D
1/4" _{T1}	4,8	21,8
3/8" _{T1}	8,0	21,8
1/2" _{T1}	9,6	21,8
3/4" _{T1}	16,0	21,8
1" _{T1}	22,3	31,1
1"	22,3	50,5
1-1/2"	35,0	50,5
2"	47,7	64,0
2-1/2"	60,4	77,5
3"	73,1	91,0
4"	97,6	119,0
6"	147,1	167,0

Dimensions in mm

Sealing design 'T2' if not differently stated

Note:

Properties/applications shown throughout this brochure are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult Garlock. Failure to select the proper sealing products could result in property damage and/or serious personal injury. Performance data published in this brochure has been developed from field testing, customer field reports and/or in-house testing. While the utmost care has been used in compiling this brochure, we assume no responsibility for errors. Specifications subject to change without notice. This edition cancels all previous issues. Subject to change without notice GARLOCK is a registered trademark for packings, seals, gaskets, and other products of Garlock. © Garlock Inc 2016. All rights reserved worldwide.

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