

RGPH - Datasheet

The RGPH system is available in six sizes designated based on the seal diameter (mm), RGPH-50, 70, 100, 125, 150 and 200.

Dimensional and visual inspected before delivery.
Additional tests can be performed to clients specification.
It can be equipped with a tightness test function, a semi permeable layer which allows on site tightness testing after installation.

Type approved:

In Tanks for pressure up to 40 Bar.

Decks and bulkheads for pressure up to 66.7 Bar.

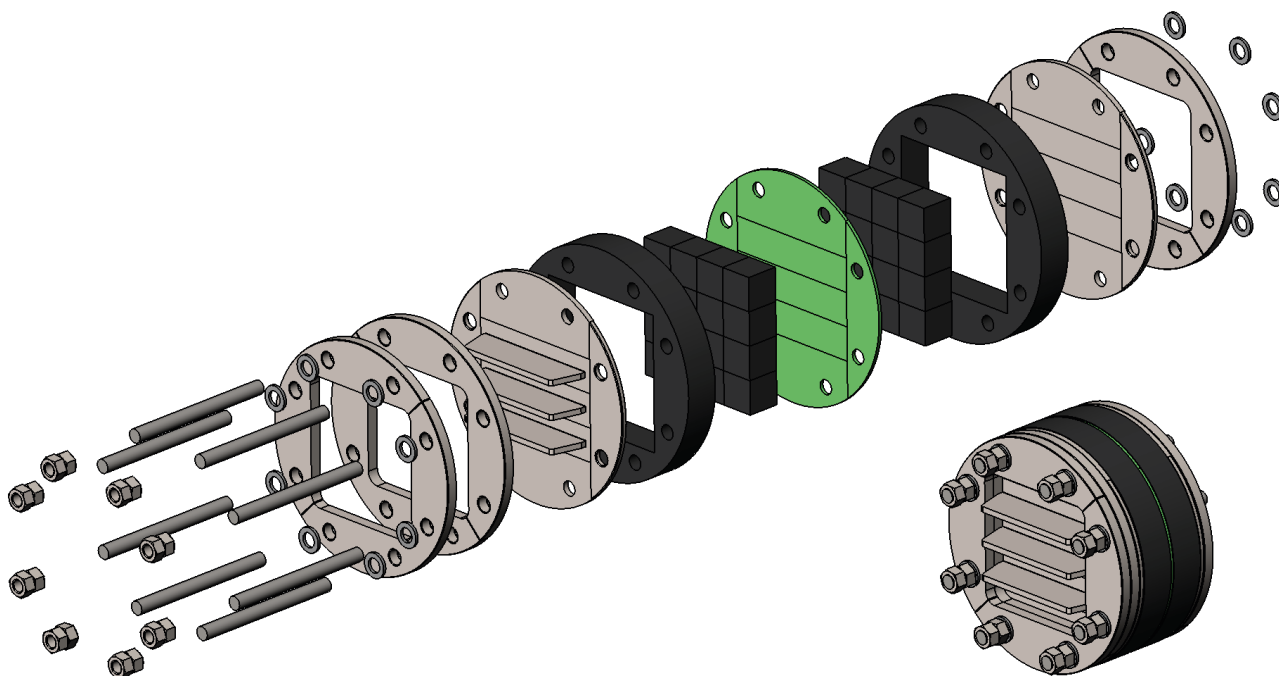
A complete RGPH consist of two parts:

1. RGPH housing (sleeve pipe welded to a backing piece/flange).
2. Prefabricated sealing set (seal block, insert block, thrust plates, etc).

The semipermeable layer is printed PET.

Hardware:

Mild steel, stainless steel 316L or hardware in alloy 625.



Sealing material: NBR80

Material Properties					
Property	Unit		Requirement	Result	Test Method
Hardness	IRHD		80 ± 5	75	ISO 48-2
Hardness	Sh A		–	79	ISO 7619-1
Tensile strength	MPa	min	7	15	ISO 37
Elongation at break	%	min	200	350	ISO 37
Tear strength	N/mm	min	20	45	ISO 34-1:2015, method C
Ozone resistance (96 h, 50 pphm, 30 °C)	%	min	10	10	ISO 1431-1:2012, procedure C
Retraction after freezing (TR-10)	°C	max	–25	–26	ISO 2921
Retraction after freezing (TR-30)	°C	max	–20	–20	ISO 2921

Heat Ageing (100 °C, 72 h)				
Property	Unit	Requirement	Result	Test Method
Compression set (25%)	% max	+25	+25	ISO 815-1:2019 ¹ , test pieces type A
Change in hardness	IRHD max	+10	–3	ISO 48-2 ¹
Change in tensile strength	% max	–20	0	ISO 37 ¹
Change in elongation at break	% max	–30	–13	ISO 37 ¹

Other Physical Properties				
Property	Unit	Requirement	Result	Test Method
Density	g/cm³	–	1.32	ISO 2781

Resistance to Liquids					
Condition	Medium	Temp / Time	Change in Volume (%)	Result	Test Method
Resistance to liquids	Oil No 1	100 °C / 72 h	max +5 / –10	–7	ISO 1817
Resistance to liquids	Oil No 3	100 °C / 72 h	max +10 / –5	+2	ISO 1817
Resistance to liquids	Fuel C	23 °C / 72 h	max +50 / 0	+38	ISO 1817

¹ Ageing in accordance with ISO 188:2011, method A

Shelf life: 10 years
Service life: 25 years
Temperature range: –15 to +70

A detailed instruction manual is supplied with the RGPH

202510270J

Sweden
Head office
MCT Brattberg AB
Phone: +46 - 455 37 52 00
Email: info@mctbrattberg.se
Address
SE-371 92 Karlskrona, Sweden

United Kingdom
MCT Brattberg Ltd
Phone: +44 - 170 624 4890
E-mail: info@mctbrattberg.co.uk
Address
Commerce Street
Carrs Industrial Estate Haslingden
Lancashire BB4 5JT, England

USA
MCT Brattberg Inc
Phone: +1 346 260 9124
Email: sales@brattberginc.com
Address
3332 Spring Stuebner Rd.
Suite G, Spring, TX 77379, USA

Australia
MCT Brattberg Australia Pty Ltd
Phone: +61 (0)44 710 4422
Email: info@mctbrattberg.com.au
Address
Level 2, Margaret Graham Building
Lot Fourteen
1a Frome Road
Adelaide, SA 5000, Australia

United Arab Emirates
MCT Brattberg UAE
Dubai, United Arab Emirates
Phone: +971 50 277 2151
Email: sony.jose@mctbrattberg.ae

Asia
MCT Brattberg Asia Pte. Ltd.
customerservice@mctbrattberg.com.sg
Address
56 Kallang Pudding Road
#09-08 HH@Kallang
Singapore 349328

BAHRAIN
MCT Brattberg Middle East W.L.L.
Phone: +973 16609480
E-mail: rishi.sevak@mctbrattberg.com
Address
Office: 321, Building : 474, Road : 1010,
Sanabis 0410, Kingdom of Bahrain

Saudi Arabia
MCT Brattberg Middle East W.L.L.
Phone: +966 595603612
E-mail: rishi.sevak@mctbrattberg.com
Address
Al Mentaga Al Khaligia
Office 21, Khobar Gate Tower
Al-Bandariya, Khobar, 34424,
Kingdom of Saudi Arabia



Please visit our website for
contact information to your
closest MCT Brattberg
representative:

www.mctbrattberg.com