

Radleys社ジャケットリアクター Reactor-Ready Pilot

価格表 2025年 4月



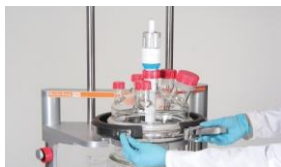
Reactor-Ready Pilot ジャケットリアクターシステム

Reactor-Ready Pilotは、5～35Lのプロセスベッセルをご用意しています。

5L、10Lのベッセルには、真空断熱層を持つバキュームジャケットベッセルもあります。

ベッセルの交換やセットアップは非常に簡単で1人でも行えます。

プロセスベッセルは、高さ：底面＝1.25：1でデザインされており、製造スケール反応釜を模倣した実験が可能です。



ベッセルの交換、リッドや冷媒ホースの取り付けには特別な工具は必要ありません。



特許取得済みのDrop-in Stirrer Couplingで各社OHSに対応。軸ブレも最小限に抑えます。

How to select Reactor-Ready Pilot...



1. Reactor-Ready Pilot Core
RR210000

2. 使用するオプションに応じて、
リッドを選択

3. 実験に応じて、ベッセル
(キット) を選択

4. オーバーヘッド
スターラーを選択
(各社OHS使用可能)

5. 反応容量、温度に
より循環恒温槽を選
択 (各社チラー使用
可能)

6. 必要に応じて、AVAソフト
ウェア、周辺機器を選択

Reactor-Ready Pilot Core System includes

- Base frame, support rods, vessel clamp, i-beam and stirrer support bosses.
- Vessel to manifold insulated hoses with quick-release connections.
- Lower inlet manifold with drain.
- Upper outlet manifold with vent.
- PTFE Stirrer guide.
- Stainless steel stirrer drive coupling.
- One aluminium vessel support collar.
- FEP flange O-ring and PTFE centering collar.



Reaction Vessel Kits make ordering vessels simple and more cost effective

These cost effective Vessel Kits include the vessel and accessories you need to get started. The Pt100 probe and turbine stirrer included in each kit are matched to the vessel size. Each Vessel Kit includes:

- Reaction Vessel with PTFE Piston.
- Sidearm Couplings.
- Pt100 PTFE Temperature Probe with Lemo Connector.
- PTFE Temperature Probe Adapter.
- PTFE Turbine Stirrer.



製品番号	製品名	入数	価格
Reactor-Ready Pilot Core system			
RR210000	Reactor-Ready Pilot Core	1	¥3,560,000
Optional Pilot Core Height Reduction Kits			
RR210070	Reactor-Ready Pilot Core - 200mm Height Reduction Kit	1	¥147,000
RR210072	Reactor-Ready Pilot Core - 300mm Height Reduction Kit	1	¥142,000
Reactor-Ready Pilot Reaction Vessel Kits (vessel, PTFE turbine stirrer, PTFE temp probe + adapter)			
RR220005	5L Single Jacketed Pilot Process Vessel Kit	1	¥1,140,000
RR220010	5L Vacuum Jacketed Pilot Process Vessel Kit	1	¥1,680,000
RR220015	10L Single Jacketed Pilot Process Vessel Kit	1	¥1,480,000
RR220020	10L Vacuum Jacketed Pilot Process Vessel Kit	1	¥2,340,000
RR220025	15L Single Jacketed Pilot Process Vessel Kit	1	¥1,730,000
RR220035	20L Single Jacketed Pilot Process Vessel Kit	1	¥2,100,000
RR220045	30L Single Jacketed Pilot Process Vessel Kit	1	¥2,510,000
RR220050	35L Single Jacketed Pilot Process Vessel Kit	1	¥2,460,000
Reactor-Ready Pilot Reaction Vessels (ベッセルのみ)			
RR235050	5L Single Jacketed Pilot Vessel	1	¥950,000
RR235052	5L Vacuum Jacketed Pilot Vessel	1	¥1,490,000
RR235100	10L Single Jacketed Pilot Vessel	1	¥1,300,000
RR235102	10L Vacuum Jacketed Pilot Vessel	1	¥2,160,000
RR235150	15L Single Jacketed Pilot Vessel	1	¥1,500,000
RR235200	20L Single Jacketed Pilot Vessel	1	¥1,820,000
RR235300	30L Single Jacketed Pilot Vessel	1	¥2,210,000
RR235350	35L Single Jacketed Pilot Vessel	1	¥2,210,000
30L & 35L Vessel Lower Support Plate			
RR210002	Reactor-Ready Pilot Lower Support Plate with Silicone Ring	1	¥561,000
RR210085	PTFE Support Ring for Lower Support Plate -Optional	1	¥115,000
RR210086	Silicone Support Ring for Lower Support Plate -Replacement	1	¥39,000
Reaction Vessel Support Collar			
RR210018	Pilot Vessel Support Collar	1	¥165,000



RR210002 Lower Support Plate



RR210018 Pilot Vessel support Collar

Single jacketed

Wide flange, tangential sidearms for rapid thermal transfer.



	5 litre Single Jacketed Vessel	10 litre Single Jacketed Vessel	15 litre Single Jacketed Vessel	20 litre Single Jacketed Vessel	30 litre Single Jacketed Vessel	35 litre Single Jacketed Vessel
Cat No. (Reaction Vessel Only)	RR235050	RR235100	RR235150	RR235200	RR235300	RR235350
Cat No. (Reaction Vessel Kit)	RR220005	RR220015	RR220025	RR220035	RR220045	RR220050
Nominal Capacity	5 Litres	10 Litres	15 Litres	20 Litres	30 Litres	35 Litres
Internal Diameter	180mm	240mm	260mm	290mm	340mm	340mm
External Diameter	250mm	300mm	315mm	350mm	415mm	415mm
Jacketed Height	230mm	300mm	325mm	363mm	378mm	433mm
External Height (piston open)	510mm	590mm	620mm	660mm	710mm	760mm
Thermofluid Jacket Volume	4.6 Litres	6.2 Litres	5.7 Litres	9.8 Litres	12.4 Litres	14 Litres
Heat Transfer Area	0.16m ²	0.27m ²	0.31m ²	0.38m ²	0.45m ²	0.52m ²
Flange	DN200	DN200	DN200	DN200	DN200	DN200
Sidearm	20mm ID	20mm ID	20mm ID	20mm ID	20mm ID	20mm ID
Piston	25mm ID	25mm ID	25mm ID	25mm ID	25mm ID	25mm ID
Piston Run-off	B24/29	B24/29	B24/29	B24/29	B24/29	B24/29

Vacuum jacketed

Provides transparent insulation for reduced frosting and improved contents visibility.



	5 litre Vacuum Jacketed Vessel	10 litre Vacuum Jacketed Vessel
Cat No. (Reaction Vessel Only)	RR235052	RR235102
Cat No. (Reaction Vessel Kit)	RR220010	RR220020
Nominal Capacity	5 Litres	10 Litres
Internal Diameter	180mm	240mm
External Diameter	300mm	350mm
Jacketed Height	225mm	300mm
External Height (piston open)	530mm	610mm
Thermofluid Jacket Volume	3.9 Litres	5.4 Litres
Heat Transfer Area	0.16m ²	0.27m ²
Flange	DN200	DN200
Sidearm	20mm ID	20mm ID
Piston	25mm	25mm
Piston Run-off	B24/29	B24/29



30L、35Lのベッセルには、支えるためのLower Support Plate (RR210002) が必要です。



Reactor-Ready Pilot Lid

RR236000 - 6 Neck DN200 Lid

- 1 x B34 central vertical - stirrer
- 1 x B19 side vertical - probe
- 1 x B24 side vertical - gas purge
- 1 x B29 side vertical - dropping funnel, bubbler
- 1 x B34 side vertical - condenser and reflux
- 1 x B45 side angled - solid additions



RR236002 - 7 Neck DN200 Lid

- 1 x B34 central vertical - stirrer
- 1 x B19 side vertical - probe
- 1 x B24 side vertical - gas purge
- 1 x B29 side vertical - dropping funnel, bubbler
- 2 x B34 side vertical - condenser and reflux
- 1 x B45 side angled - solid additions



RR136200 - 8 port with PTFE sockets

- 1 x B19
- 1 x B24
- 2 x B29
- 3 x B34
- 1 x B45



RR136210 - 8 port without sockets

- 1 x Central 1½" NPT
- 1 x Side 15° angled 1½" NPT
- 1 x Side 10°x10° compound 1½" NPT
- 2 x Side vertical 1½" NPT
- 2 x Side vertical ¾" NPT
- 1 x Side vertical 1" NPT



製品番号	製品名	入数	価格
Glass DN200 Lids			
RR236000	Reactor-Ready Pilot 6 Neck Lid DN200 - 1xB19 1xB24 1xB29 2xB34 1xB45	1	¥290,000
RR236002	Reactor-Ready Pilot 7 Neck Lid DN200 - 1xB19 1xB24 1xB29 3xB34 1xB45	1	¥322,000
PTFE DN200 Lids			
RR136200	DN200 PTFE 8 Neck Lid 1xB19 1xB24 2xB29 3xB34 1xB45	1	¥523,000
RR136210	DN200 PTFE Lid with 8 Threaded Ports - 2x¾" NPT 1x1" NPT 5x1 1/2" NPT	1	¥250,000
PTFE Sockets, Compression Fittings & Blanking Plugs			
RR136300	Rodaviss B19 Socket Adapter (¾" NPT)	1	¥10,000
RR136301	Rodaviss B24 Socket Adapter (¾" NPT)	1	¥12,000
RR136302	Rodaviss B29 Socket Adapter (¾" NPT)	1	¥13,000
RR136303	Rodaviss B34 Socket Adapter (¾" NPT)	1	¥25,000
RR136304	Rodaviss B45 Socket Adapter (¾" NPT)	1	¥25,000
RR136305	Rodaviss B24 Socket Adapter (1" NPT)	1	¥15,000
RR136306	Rodaviss B29 Socket Adapter (1" NPT)	1	¥16,000
RR136307	Rodaviss B34 Socket Adapter (1" NPT)	1	¥18,000
RR136308	Rodaviss B45 Socket Adapter (1" NPT)	1	¥26,000
RR136309	Rodaviss B24 Socket Adapter (1½"NPT)	1	¥17,000
RR136310	Rodaviss B29 Socket Adapter (1½" NPT)	1	¥20,000
RR136311	Rodaviss B34 Socket Adapter (1½" NPT)	1	¥22,000
RR136313	Rodaviss B45 Socket Adapter (1½" NPT)	1	¥23,000
RR136312	Reactor-Ready Pilot Central B34 Socket Adapter (1½" NPT)	1	¥86,000
RR136316	8mm Bore Compression Fitting ¾" NPT	1	¥11,000
RR136317	12mm Bore Compression Fitting ¾" NPT	1	¥11,000
RR136318	14mm Bore Compression Fitting ¾" NPT	1	¥9,600
RR136319	16mm Bore Compression Fitting ¾" NPT	1	¥15,000
RR136320	19mm Bore Compression Fitting ¾" NPT	1	¥16,000
RR136321	8mm Bore Compression Fitting 1" NPT	1	¥13,000
RR136322	12mm Bore Compression Fitting 1" NPT	1	¥15,000
RR136323	14mm Bore Compression Fitting 1" NPT	1	¥15,000
RR136324	16mm Bore Compression Fitting 1" NPT	1	¥16,000
RR136325	19mm Bore Compression Fitting 1" NPT	1	¥18,000
RR136326	25mm Bore Compression Fitting 1" NPT	1	¥20,000
RR136328	PTFE Blanking Plug ¾" NPT	1	¥6,000
RR136329	PTFE Blanking Plug 1" NPT	1	¥6,900
RR136330	PTFE Blanking Plug 1½" NPT	1	¥11,000



Pt100 PTFE Temp Probe



Pt100 PTFE Baffle Probe

製品番号	製品名	入数	価格
PTFE Pt100 Temperature Probes and Adapters			
RR145000	Pt100 PTFE Temp. Probe 9mm + Lemo Plug - 5L to 10L Vessels	1	¥71,000
RR146000	Pt100 PTFE Temp. Probe 9mm + Lemo Plug - 15L to 35L Vessels	1	¥78,000
RR140015	PTFE Temperature Probe Adapter - 9mm	1	¥12,000
PTFE Baffles + Probe Baffles			
RR257000	PTFE Baffle - 16mm OD, 35mm, 600mm	1	¥148,000
RR257002	PTFE Baffle - 16mm OD, 35mm, 700mm	1	¥147,000
RR257004	Pt100 PTFE Baffle Probe + Lemo - 16mm OD, 35mm, 600mm	1	¥295,000
RR257006	Pt100 PTFE Baffle Probe + Lemo - 16mm OD, 35mm, 700mm	1	¥284,000
RR257008	B24 to 16mm PTFE Compression Fitting	1	¥44,000
RR257010	B29 to 16mm PTFE Compression Fitting	1	¥48,000
RR257012	B34 to 16mm PTFE Compression Fitting	1	¥58,000

Overhead Stirrer - Heidolph

製品番号	製品名	入数	価格
Hei-Torque Overhead Stirrers			
501-60410-00	Hei-TORQUE Core	1	¥281,000
501-61010-00	Hei-TORQUE Expert 100	1	¥473,000
501-61020-00	Hei-TORQUE Ultimate 100	1	¥540,000
501-62010-00	Hei-TORQUE Expert 200	1	¥562,000
501-62020-00	Hei-TORQUE Ultimate 200 -RS232 & USB	1	¥620,000
501-64010-00	Hei-TORQUE Expert 400	1	¥708,000
501-64020-00	Hei-TORQUE Ultimate 400 -RS232 & USB	1	¥791,000
Control Interface Cable			
RR91237	RS232 Interface Cable - 9 pin to 9 pin	1	¥9,000



Hei-TORQUE Expert
パワフルで簡単な操作性。
最大100Lのサンプル攪拌が可能。



Hei-TORQUE Ultimate
上位モデル。パワフルな攪拌と
RS232/USBポートによる遠隔操作
可能なモデル。

製品番号	製品名	入数	価格
PTFE Stirrer Shafts			
RR258051	Anchor PTFE Stirrer Shaft - 5L Pilot Vessels	1	¥104,000
RR258052	Retreat Curve PTFE Stirrer Shaft - 5L Pilot Vessels	1	¥157,000
RR258053	Turbine PTFE Stirrer Shaft - 5L Pilot Vessels	1	¥104,000
RR258101	Anchor PTFE Stirrer Shaft - 10L Pilot Vessels	1	¥113,000
RR258102	Retreat Curve PTFE Stirrer Shaft - 10L Pilot Vessels	1	¥252,000
RR258103	Turbine PTFE Stirrer Shaft - 10L Pilot Vessels	1	¥92,000
RR258151	Anchor PTFE Stirrer Shaft - 15L Pilot Vessels	1	¥114,000
RR258152	Retreat Curve PTFE Stirrer Shaft - 15L Pilot Vessels	1	¥252,000
RR258153	Turbine PTFE Stirrer Shaft - 15L Pilot Vessels	1	¥137,000
RR258201	Anchor PTFE Stirrer Shaft - 20L Pilot Vessels	1	¥234,000
RR258202	Retreat Curve PTFE Stirrer Shaft - 20L Pilot Vessels	1	¥289,000
RR258203	Turbine PTFE Stirrer Shaft - 20L Pilot Vessels	1	¥176,000
RR258306	Anchor PTFE Stirrer Shaft - 30L Pilot Vessels	1	¥225,000
RR258307	Retreat Curve PTFE Stirrer Shaft - 30L Pilot Vessels	1	¥288,000
RR258308	Turbine PTFE Stirrer Shaft - 30L Pilot Vessels	1	¥204,000
RR258351	Anchor PTFE Stirrer Shaft - 35L Pilot Vessels	1	¥234,000
RR258352	Retreat Curve PTFE Stirrer Shaft - 35L Pilot Vessels	1	¥285,000
RR258353	Turbine PTFE Stirrer Shaft - 35L Pilot Vessels	1	¥159,000
RR258300	Adjustable PTFE 4 Blade 45 Angle Rotor 16mm OD 100mm Rotor	1	¥36,000
RR258302	Adjustable PTFE 2 Blade Vertical Rotor 16mm OD 100mm Rotor	1	¥26,000



Anchor



Retreat Curve



Turbine



Adjustable Blade

製品番号	製品名	入数	価格
Clamps & Supports			
RR139360	Pilot Boss Head - 22-35mm, 8-12mm	1	¥48,000
RR139362	Rod Extender - 10mm, 100mm long, for 10mm rods	1	¥19,000
RR139364	Rubber Belt Clamp - 10mm rod, 60-170mm	1	¥49,000
RR139366	Chain Clamp - 10mm rod, 40-120mm	1	¥43,000
RR139368	Chain Clamp - 10mm rod, 80-150mm	1	¥44,000
RR139370	Chain Clamp - 10mm rod, 100-170mm	1	¥46,000
RR139372	4-Prong Large Clamp - 10mm rod, 30-80mm	1	¥29,000
RR139374	Universal Clamp Cork Jaws - 10mm rod, 0-80mm	1	¥24,000
RR139376	Lower Support Ring - 10mm rod, 76mm ID	1	¥131,000



Boss Head



Rubber Belt Clamp



Chain Clamp

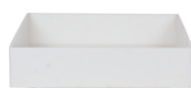


4-Prong Large Clamp



Universal Clamp Cork Jaws

製品番号	製品名	入数	価格
Drip Trays			
RR210062	Drip Tray PP 7L Capacity	1	¥153,000
RR210064	Drip Tray PP 22L Capacity	1	¥167,000
RR210066	Drip Tray PP 45L Capacity	1	¥188,000
RR210068	Drip Tray PP 55L Capacity (extra wide -740mm)	1	¥260,000
Replacement 25mm Piston			
RR166070	Piston 25mm for Single & Vacuum Jacketed Vessel	1	¥78,000
General Maintenance Accessories			
RR210100	Reactor-Ready Pilot Maintenance Kit		¥63,000
内訳	RR121027 Oil Wipe for Support Rods	1	
	RR121136 Stirrer Guide Bearing Seal B34 16mm	1	
	RR121138 Stirrer Guide Ferrule & Shaft Seal B34 16mm	1	
	RR121071 23mm Viton O-Rings for Quick Release Hose Coupling	1	
	RR210050 34mm Viton O-Rings for Quick Release Hose Coupling - NW20	1	
	RR210022 FEP Encapsulated Silicone Vessel O-ring - 200mm	1	
	RR166104 Replacement 25mm Piston Top O-Ring	1	
	RR166106 Replacement 25mm Piston Middle O-Ring	1	
RR121027	Oil Wipe for Support Rods	10	¥4,500
RR121136	Stirrer Guide Bearing Seal B34 16mm	1	¥10,000
RR121138	Stirrer Guide Ferrule & Shaft Seal B34 16mm	1	¥6,000
RR121071	23mm Viton O-Rings for Quick Release Hose Coupling	2	¥3,000
RR210050	34mm Viton O-Rings for Quick Release Hose Coupling - NW20	2	¥5,300
RR210022	FEP Encapsulated Silicone Vessel O-ring - 200mm	1	¥17,000
RR166104	Replacement 25mm Piston Top O-Ring	2	¥8,500
RR166106	Replacement 25mm Piston Middle O-Ring	1	¥7,800
Chemraz O-ring			
RR210074	Replacement 25mm Piston Top O-Ring Chemraz 0°C-230°C	2	¥201,000
Glassware Accessories			
Condensers			
RR139300	Large Double Coil Rodaviss Condenser 60mm B34 + GL18 + fittings	1	¥222,000
RR139302	Large Double Coil Rodaviss Condenser 85mm B34 + GL18 + fittings	1	¥302,000
Condenser with Spherical Joints			
RR139400	Large Double Coil Condenser 60mm S41 to B34 + GL18 fittings	1	¥306,000
RR139402	Large Double Coil Condenser 85mm S41 to B34 + GL18 fittings	1	¥372,000
Spherical Joint replacement parts			
RR139424	Metal Clip for S41 Spherical Joints	1	¥19,000
RR139426	FEP O-Ring for S41 Spherical Joints	1	¥25,000
Swan Neck Adapter			
RR139308	Swan Neck Adapter Vertical B24 to Vertical B24	1	¥32,000
RR139310	Swan Neck Adapter Vertical B29 to Vertical B29	1	¥33,000
RR139312	Swan Neck Adapter Vertical B34 to Vertical B34	1	¥36,000
Swan Neck Adapter with Spherical Joints			
RR139410	Swan Neck Adapter Vertical B29 to Vertical S41	1	¥50,000
RR139412	Swan Neck Adapter Vertical B34 to Vertical S41	1	¥53,000
Dropping Funnels			
RR139017	250ml Graduated Dropping Funnel Equalising Arm B24	1	¥99,000
RR139019	500ml Graduated Dropping Funnel Equalising Arm B24	1	¥116,000
RR139021	1000ml Graduated Dropping Funnel Equalising Arm B24	1	¥135,000
RR139304	2000ml Graduated Dropping Funnel Equalising Arm B29 6mm Bore	1	¥168,000



Drip Tray



Double Coil Condenser



Metal Clip & O-ring



Piston -Replacement



Swan Neck



Dropping Funnel

※2000ml Dropping Funnelを使用する場合は、OHPと干渉する可能性があります。
下記のアクセサリと一緒に購入することをお勧めします。

RR139360 Pilot Boss Head - 22-35mm, 8-12mm
RR139364 Rubber Belt Clamp - 10mm rod, 60-170mm
RR139310 Swan Neck Adapter Vertical B29 to Vertical B29

製品番号	製品名	入数	価格
PTFE Flexible Bellows			
RR139079	PTFE Flexible Bellows B24	1	¥20,000
RR139081	PTFE Flexible Bellows B29	1	¥25,000
RR139083	PTFE Flexible Bellows B34	1	¥27,000
Oil Bubblers			
RR139051	Oil Bubbler Type 1 B24 + GL14 + fittings	1	¥65,000
RR139314	Oil Bubbler Type 1 B29 + GL14 + fittings	1	¥67,000
Solid Additions Funnels			
RR139053	Solid Additions Funnel B34 (with extended tube)	1	¥34,000
RR139316	Solid Additions Funnel B45 (with extended tube)	1	¥38,000
Gas Purge Adapter			
RR139025	Gas Purge Adapter B24 + GL14 + fittings	1	¥73,000
Liquid Inlet Adapter			
RR139057	Valved Right Angled Liquid Inlet Adapter B24 to GL14	1	¥52,000
RR139318	Valved Right Angled Liquid Inlet Adapter B29 to GL14	1	¥73,000
Run-Off Adapter and Valve			
RR139340	Vertical Run-Off Adapter B24 to Plain	1	¥23,000
RR139137	Run-Off Secondary Valve B24 to Stopcock	1	¥58,000
PTFE Hose Adapter			
RR139063	PTFE Hose Adapter B19 for NW12 Tubing	1	¥25,000
RR139065	PTFE Hose Adapter B24 to 15mm Bore	1	¥23,000



PTFE Flexible Bellows



Oil Bubbler



Solid Additions Funnel



Gas Purge Adapter



Liquid Inlet Adapter



Vertical Run-Off Adapter



Run-Off Secondary Valve
to Stopcock



PTFE Hose Adapter

RR239200 - Pilot Reflux Divider Kit

RR139320 - Reflux Divider Head, B34 + GL18 fittings
 RR139300 - Large Double Coil Rodaviss Condenser 60mm B34 + GL18 + fittings
 RR139012 - Right Angle Adapter B34 + GL14 + PTFE fittings
 RR139332 - Adapter Rodaviss B24 to GL25
 RR139350 - GL25 HT Compression Fitting for 12mm OD Tubing
 RR139354 - PTFE Tubing 10mm ID x 12mm OD - 1m length
 RR139360 - 3 x Pilot Boss Head - 22-35mm, 8-12mm
 RR139372 - 4-Prong Large Clamp - 10mm rod, 30-80mm
 RR139376 - Lower Support Ring - 10mm rod, 76mm ID
 RR139374 - Universal Clamp Cork Jaws - 10mm rod, 0-80mm

Note: A suitable receiver flask/s RR139324/6/8/30 is required to complete this kit.



Reflux Divider Kit

Spherical Joint

RR239202 - Pilot Reflux Divider Kit with Vapour Temperature Probe

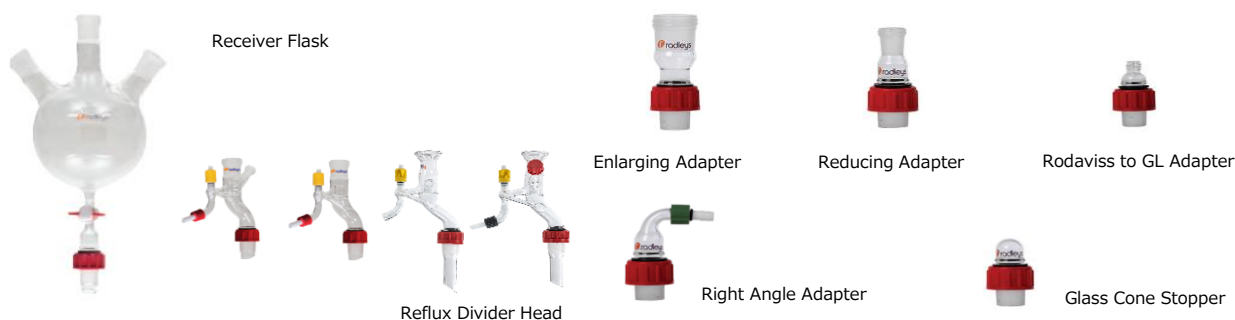
RR139322 - Reflux Divider Head, B34 + GL18 fittings + B14 temp port
 RR139300 - Large Double Coil Rodaviss Condenser 60mm B34 + GL18 + fittings
 RR139012 - Right Angle Adapter B34 + GL14 + PTFE fittings
 RR139332 - Adapter Rodaviss B24 to GL25
 RR139350 - GL25 HT Compression Fitting for 12mm OD Tubing
 RR139354 - PTFE Tubing 10mm ID x 12mm OD - 1m length
 RR139133 - Pt100 PTFE Temp. Probe (Reflux Divider Head) + 2m Cable
 RR139135 - PTFE Temperature Probe Adapter (B14 for Reflux Divider Head)
 RR139360 - 3 x Pilot Boss Head - 22-35mm, 8-12mm
 RR139372 - 4-Prong Large Clamp - 10mm rod, 30-80mm
 RR139374 - Universal Clamp Cork Jaws - 10mm rod, 0-80mm
 RR139376 - Lower Support Ring - 10mm rod, 76mm ID

Note: A suitable receiver flask/s RR139324/6/8/30 is required to complete this kit.



製品番号	製品名	入数	価格
Pilot Reflux Divier Kit			
RR239200	Pilot Reflux Divider Kit		¥792,000
内訳	RR139320 Reflux Divider Head B34 + GL18 fitting	1	
	RR139300 Large Double Coil Rodaviss Condenser 60mm B34 + GL18 + fittings	1	
	RR139012 Right Angle Adapter B34 + GL14 + PTFE fittings	1	
	RR139332 Adapter Rodaviss B24 to GL25	1	
	RR139350 GL25 HT Compression Fitting for 12mm OD Tubing	1	
	RR139354 PTFE Tubing 10mm ID x 12mm OD - 1m length	1	
	RR139360 Pilot Boss Head - 22-35mm, 8-12mm	3	
	RR139372 4-Prong Large Clamp - 10mm rod, 30-80mm	1	
	RR139376 Lower Support Ring - 10mm rod, 76mm ID	1	
	RR139374 Universal Clamp Cork Jaws - 10mm rod, 0-80mm	1	
RR239201	Pilot Reflux Divider Kit - Spherical Joints		¥868,000
内訳	RR139420 Reflux Divider Head B34 to S41 + GL18 fitting	1	
	RR139400 Large Double Coil Condenser 60mm S41 to B34 + GL18 fittings	1	
	RR139012 Right Angle Adapter B34 + GL14 + PTFE fittings	1	
	RR139332 Adapter Rodaviss B24 to GL25	1	
	RR139350 GL25 HT Compression Fitting for 12mm OD Tubing	1	
	RR139354 PTFE Tubing 10mm ID x 12mm OD - 1m length	1	
	RR139360 Pilot Boss Head - 22-35mm, 8-12mm	3	
	RR139372 4-Prong Large Clamp - 10mm rod, 30-80mm	1	
	RR139376 Lower Support Ring - 10mm rod, 76mm ID	1	
	RR139374 Universal Clamp Cork Jaws - 10mm rod, 0-80mm	1	
RR239202	Pilot Reflux Divider with Vapour Temp Kit		¥866,000
内訳	RR139322 Reflux Divider Head B34 + GL18 fittings + B14 temp port	1	
	RR139300 Large Double Coil Rodaviss Condenser 60mm B34 + GL18 + fittings	1	
	RR139012 Right Angle Adapter B34 + GL14 + PTFE fittings	1	
	RR139332 Adapter Rodaviss B24 to GL25	1	
	RR139350 GL25 HT Compression Fitting for 12mm OD Tubing	1	
	RR139354 PTFE Tubing 10mm ID x 12mm OD - 1m length	1	
	RR139133 Pt100 PTFE Temp. Probe (Reflux Divider Head) + 2m Cable + Lemo Plug	1	
	RR139135 PTFE Temperature Probe Adapter (B14 for Reflux Divider Head)	1	
	RR139360 Pilot Boss Head - 22-35mm, 8-12mm	3	
	RR139372 4-Prong Large Clamp - 10mm rod, 30-80mm	1	
	RR139376 Lower Support Ring - 10mm rod, 76mm ID	1	
	RR139374 Universal Clamp Cork Jaws - 10mm rod, 0-80mm	1	
RR239203	Pilot Reflux Divider with Vapour Temp Kit - Spherical Joints		¥951,000
内訳	RR139422 Reflux Divider Head B34 to S41 + GL18 fittings + B14 temp port	1	
	RR139400 Large Double Coil Condenser 60mm S41 to B34 + GL18 fittings	1	
	RR139012 Right Angle Adapter B34 + GL14 + PTFE fittings	1	
	RR139332 Adapter Rodaviss B24 to GL25	1	
	RR139350 GL25 HT Compression Fitting for 12mm OD Tubing	1	
	RR139354 PTFE Tubing 10mm ID x 12mm OD - 1m length	1	
	RR139133 Pt100 PTFE Temp. Probe (Reflux Divider Head) + 2m Cable + Lemo Plug	1	
	RR139135 PTFE Temperature Probe Adapter (B14 for Reflux Divider Head)	1	
	RR139360 Pilot Boss Head - 22-35mm, 8-12mm	3	
	RR139372 4-Prong Large Clamp - 10mm rod, 30-80mm	1	
	RR139376 Lower Support Ring - 10mm rod, 76mm ID	1	
	RR139374 Universal Clamp Cork Jaws - 10mm rod, 0-80mm	1	

製品番号	製品名	入数	価格
Reflux Divider Kit Replacement Parts			
RR139320	Reflux Divider Head B34 + GL18 fitting	1	¥177,000
RR139322	Reflux Divider Head B34 + GL18 fittings + B14 temp port	1	¥184,000
RR139420	Reflux Divider Head B34 to S41 + GL18 fitting	1	¥171,000
RR139422	Reflux Divider Head B34 to S41 + GL18 fittings + B14 temp port	1	¥186,000
RR139133	Pt100 PTFE Temp. Probe (Reflux Divider Head) + 2m Cable + Lemo Plug	1	¥67,000
RR139135	PTFE Temperature Probe Adapter (B14 for Reflux Divider Head)	1	¥14,000
RR139111	Screw Cap with Aperture GL14	10	¥12,000
RR139113	Silicone Seal with PTFE Washer GL14 6mm	10	¥18,000
RR139115	Screw Cap Closed with PTFE Seal GL14	10	¥14,000
RR139119	Screw Cap with Aperture GL25	10	¥14,000
RR139121	Silicone Seal with PTFE Washer GL25 12mm	10	¥32,000
RR139342	GL14 HT Compression Fitting for 4mm OD Tubing	1	¥14,000
RR139344	GL14 HT Compression Fitting for 6mm OD Tubing	1	¥16,000
RR139346	GL25 HT Compression Fitting for 8mm OD Tubing	1	¥28,000
RR139348	GL25 HT Compression Fitting for 10mm OD Tubing	1	¥27,000
RR139350	GL25 HT Compression Fitting for 12mm OD Tubing	1	¥28,000
RR139352	GL18 PFA Hose Connector for 10mm ID Tubing	1	¥13,000
RR139354	PTFE Tubing 10mm ID x 12mm OD - 1m length	1	¥32,000
Reflux Divider Receiver Flask			
RR139324	500ml Receiver Flask 3 x B24 Socket, + B24 Cone & Tap	1	¥91,000
RR139326	1000ml Receiver Flask 3 x B24 Socket, + B24 Cone & Tap	1	¥101,000
RR139328	2000ml Receiver Flask 3 x B24 Socket, + B24 Cone & Tap	1	¥113,000
RR139330	5000ml Receiver Flask 3 x B24 Socket, + B24 Cone & Tap	1	¥156,000



製品番号	製品名	入数	価格
Enlarging Adapter			
RR139034	Enlarging Adapter B19 to B24	1	¥18,000
RR139035	Enlarging Adapter B24 to B29	1	¥18,000
RR139036	Enlarging Adapter B19 to B29	1	¥17,000
RR139037	Enlarging Adapter B29 to B34	1	¥18,000
RR139038	Enlarging Adapter B19 to B34	1	¥17,000
Reducing Adapter			
RR139039	Reducing Adapter B24 to B19	1	¥18,000
RR139041	Reducing Adapter B29 to B19	1	¥18,000
RR139043	Reducing Adapter B29 to B24	1	¥18,000
RR139045	Reducing Adapter B34 to B19	1	¥18,000
RR139047	Reducing Adapter B34 to B24	1	¥18,000
RR139049	Reducing Adapter B34 to B29	1	¥18,000
Rodaviss Joint to GL Adapter			
RR139085	Adapter Rodaviss B19 to GL25	1	¥17,000
RR139332	Adapter Rodaviss B24 to GL25	1	¥22,000
RR139334	Adapter Rodaviss B29 to GL25	1	¥23,000
RR139087	Adapter Rodaviss B34 to GL25	1	¥23,000
RR139089	Adapter Rodaviss B19 to GL14	1	¥17,000
RR139091	Adapter Rodaviss B24 to GL14	1	¥17,000
RR139336	Adapter Rodaviss B29 to GL14	1	¥22,000
RR139093	Adapter Rodaviss B19 to 2 x GL14	1	¥22,000
RR139095	Adapter Rodaviss B24 to 2 x GL14	1	¥22,000
RR139338	Adapter Rodaviss B29 to 2 x GL14	1	¥27,000
Right Angle Adapter			
RR139011	Right Angle Adapter B29 + GL14 + PTFE fittings	1	¥27,000
RR139012	Right Angle Adapter B34 + GL14 + PTFE fittings	1	¥22,000
Glass Cone Stoppers			
RR139027	Glass Cone Stopper B19	1	¥12,000
RR139029	Glass Cone Stopper B24	1	¥14,000
RR139031	Glass Cone Stopper B29	1	¥16,000
RR139033	Glass Cone Stopper B34	1	¥14,000
RR139378	Glass Cone Stopper B45	1	¥17,000

AVA Software

製品番号	製品名	入数	価格
AVA Lab Control Software - Software Kits includes Controller, Data Hub, AVA installed			
RR20302/JAP	AVA Level 1 Software Kit - Japan Plug	1	¥580,000
RR20304/JAP	AVA Level 2 Software Kit - Japan Plug	1	¥690,000
RR20306/JAP	AVA Level 3 Software Kit - Japan Plug	1	¥1,190,000
RR20308/JAP	AVA Level 4 Software Kit - Japan Plug	1	¥1,830,000
AVA Upgrades			
RR20120	AVA Software Upgrade Level 1 to 2 + 1Yr AVA Care	1	¥102,000
RR20121	AVA Software Upgrade Level 1 to 3 + 1Yr AVA Care	1	¥438,000
RR20122	AVA Software Upgrade Level 1 to 4 + 1Yr AVA Care	1	¥1,020,000
RR20123	AVA Software Upgrade Level 2 to 3 + 1Yr AVA Care	1	¥342,000
RR20124	AVA Software Upgrade Level 2 to 4 + 1Yr AVA Care	1	¥917,000
RR20125	AVA Software Upgrade Level 3 to 4 + 1Yr AVA Care	1	¥582,000

Apparatus	ava 1	ava 2	ava 3	ava 4
Hotplate Stirrer	●	●	●	●
Temperature Sensor	●	●	●	●
Overhead Stirrer		●	●	●
Circulator			●	●
Peristaltic Pump				●
Syringe Pump				●
Vacuum Pump				●
Balance				●
pH Sensor				●
Gas Flow Sensor				●

製品番号	製品名	入数	価格
Automation Modules			
RR20500/JAP	Gravimetric Additions Module (Peristaltic pump, balance and accessories)	1	お問い合わせ
内訳	RR20446/JAP Top Loading Balance 0.01g x 4200g - Japan Plug RR20447 Control Cable Balance to PC 3m RR20470/JAP Peristaltic Pump 600rpm 4000ml/min - Japan Plug RR20472 Peristaltic Pump Head for 1.6mm Wall Tubing RR91237 RS232 Interface Cble - 9pin to 9pin RR20476 PharMed BPT Tubing 1.6m Wall 7.5m RR139091 Adapter Rodaviss B24 to GL14 RR139095 Adapter Rodaviss B24 to t2 x GL14 RR139101 1000ml Lab Bottle GL45 RR139109 Distribution Cap GL45 with 2 x GL14 RR139111 Screw Cap with Aperture GL14		
RR20504/JAP	Syringe Pump Additions Module (Single Syringe Pump to 60cc and accessories)	1	¥653,000
内訳	RR20418 Single Syringe Pump to 60cc - Japan Plug RR20420 Control Cable Single Syringe Pump to PC 2m RR20407 Marprene Tubing 1.6mm Bore 1.6mm Wall 5m RR139111 Screw Cap with Aperture GL14 RR139113 Silicone Seal with PTFE Washer GL14 6mm RR139091 Adapter Rodaviss B24 to GL14 RR139095 Adapter Rodaviss B24 to 2 x GL14		
RR20502	pH Module (pH meter and accessories)	1	¥806,000
内訳	RR20424 pH/mV/Temp Meter Portable + Control Cable (probe not included) RR20438 Cable pH Meter to Combination VP Probe 3m RR139087 Adapter Rodaviss B34 to GL25 RR139125 Swivel 12mm pH Probe Adapter GL25 RR20440 Buffer Solution Certified pH 4.01 +/-0.02 - 500ml RR20442 Buffer Solution Certified pH 7.00 +/-0.02 - 500ml RR20444 Buffer Solution Certified pH 9.21 +/-0.02 - 500ml		
RR20506/JAP	Vacuum Pump Module (Diaphragm vacuum Pump and accessories)	1	¥1,850,000
内訳	VB20700203 PC3001 Vario Select, 115v US & Japan Plug VB20637838 Adapter Cable USB to RS232, 1m RR20216 Null Modem Serial Cable 2m RR20456 NW 8 Rubber Vacuum Hose - 5m length RR139025 Gas Purge Adapter B24 + GL14 + fittings		



Gravimetric Additions (Pump+Balance)



Syringe Pump



pH meter



Vacuum Pump

輸入元



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