

TAIATSU HYPER GLASS CYLINDER

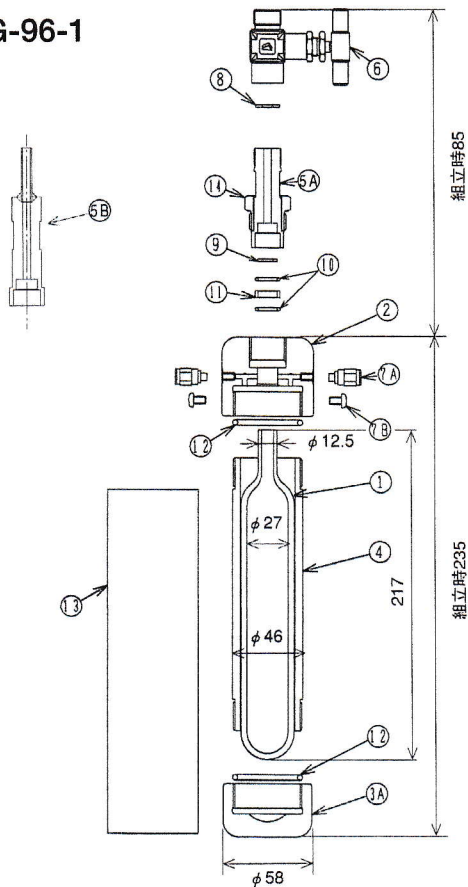
HPG-96 & HPG-10 Series



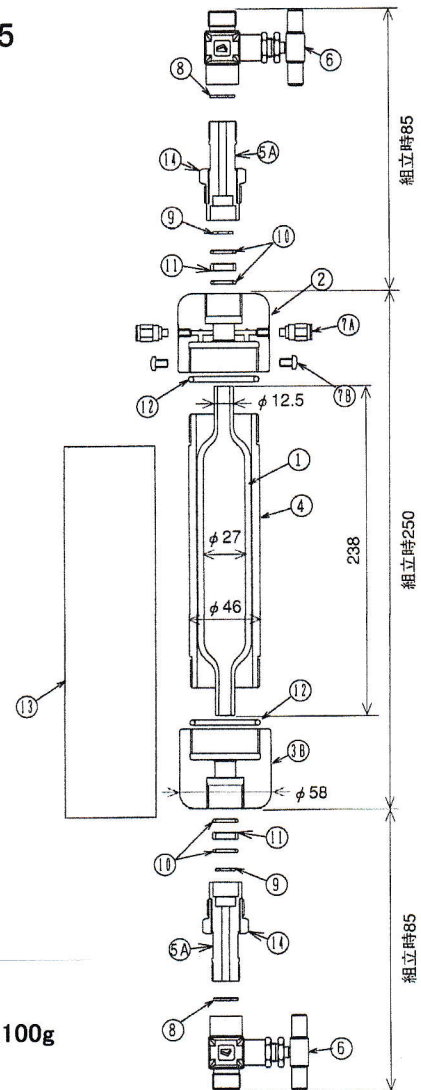
TAIATSU TECHNO CORPORATION
Tokyo, Japan

■ Drawing HPG-96-1 & HPG-96-5

HPG-96-1



HPG-96-5



Above drawing is shown the dimensions when assembling.

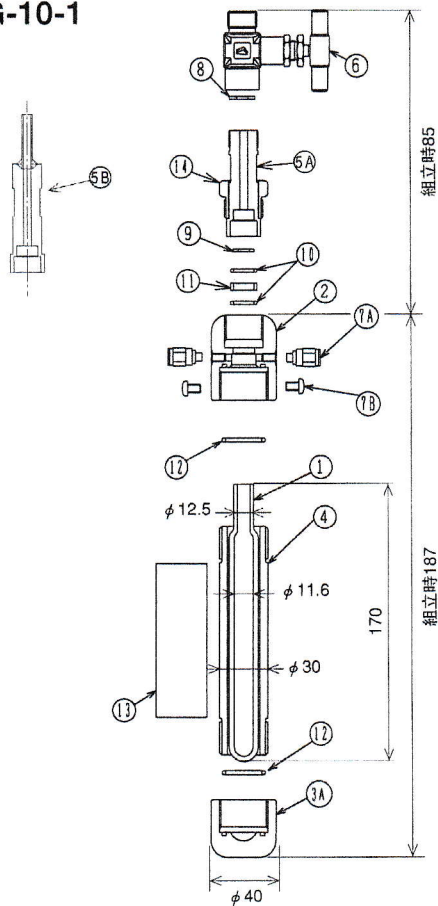
Weight : approx. 750g

Weight : approx. 1,100g

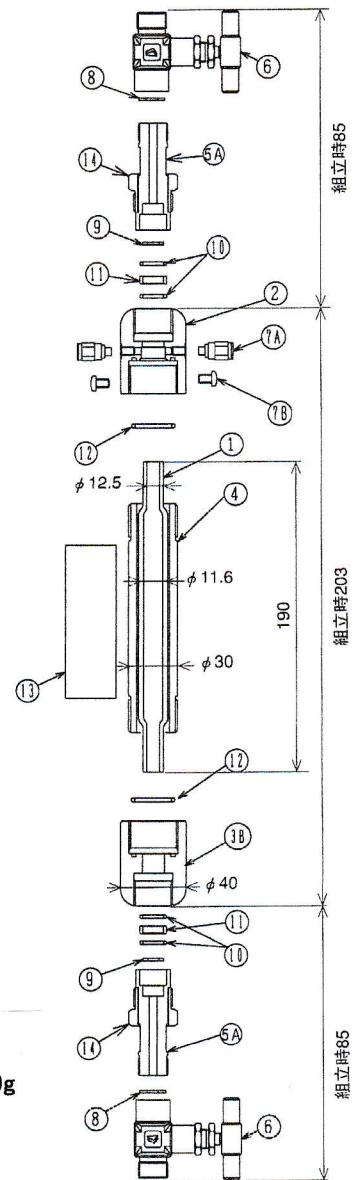
No.	Part	Material	Remark
1	GL Pressure Cylinder	Hyper Glass	with scale, inlet dia. 8mm
2	Upper Lid for PC Pressure Cylinder	Polycarbonate	for sealing, depressure, closing joint & attachment of closing joint
3A	Lower Lid for PC Pressure Cylinder	Polycarbonate	
3B	Lower Lid for PC Pressure Cylinder	Polycarbonate	
4	Trunk Tube for GL Pressure Cylinder	Polycarbonate	
5A	Sealing Joint	SUS316	Possible to make in your desirous material.
5B	Sealing Joint	SUS316	for bite type tube fitting
6	Valve, NBS-02	SUS316	Male-remale
7A	Depressure Joint		for $\phi 4$ tube attachment
7B	Closing Joint		as Option
8	Packing	Teflon	D-17-T
9	Cushon Packing	Teflon	D-13
10	O-Ring	Viton	P-12.5, Possible to choose the material by contents.
11	Ring	SUS316	
12	O-Ring	Silicon Rubber	P-40
13	Reinforcing Tube for Cylinder	FEP	Heat shrink tube
14	Ground Nut	SUS316	

■ Drawing HPG-10-1 & HPG-10-5

HPG-10-1



HPG-10-5



Above drawing is shown the dimensions when assembling.

Weight : approx. 480g

Weight : approx. 750g

No.	Part	Material	Remark
1	GL Pressure Cylinder	Hyper Glass	with scale, inlet dia. 8mm
2	Upper Lid for PC Pressure Cylinder	Polycarbonate	for sealing, depressure, closing joint & attachment of closing joint
3A	Lower Lid for PC Pressure Cylinder	Polycarbonate	
3B	Lower Lid for PC Pressure Cylinder	Polycarbonate	
4	Trunk Tube for GL Pressure Cylinder	Polycarbonate	
5A	Sealing Joint	SUS316	Possible to make in your desirous material.
5B	Sealing Joint	SUS316	for bite type tube fitting
6	Valve, NBS-02	SUS316	Male-remale
7A	Depressure Joint		for $\phi 4$ tube attachment
7B	Closing Joint		as Option
8	Packing	Teflon	D-17-T
9	Cushon Packing	Teflon	D-13
10	O-Ring	Viton	P-12.5, Possible to choose the material by contents.
11	Ring	SUS316	
12	O-Ring	Silicon Rubber	P-22
13	Reinforcing Tube for Cylinder	FEP	Heat shrink tube
14	Ground Nut	SUS316	

■ Introduction

This appliance is high pressure cylinder of the compound materials which consists of hyper glass and highly functional resin.

Safety is high, and it is possible visually to observe at the condition of inner cylinder.

Also it has excellent corrosion resistance.

It can be used for the sampling of liquefied gas and the introduction of fluid to other pressure container. It is most suitable for an experiment of hydrogenation reaction, synthesis reaction and/or experiment of compatibility for refrigeration oil or refrigerant.

■ Feature

- ① Max.working pressure to :

HPG-96-1 & HPG-96-5	3MPa
HPG-10-1 & HPG-10-5	5MPa
- ② The fluid observation in the cylinder is possible !
- ③ Excellent corrosion resistance !
- ④ Handy & Easy operation !
- ⑤ It's capable for the extraction of a fluid & measurement !
- ⑥ Sealing is possible by the tightening of a hand !
- ⑦ It is possible to combine various joints, pressure gauge and safety valve, etc. and use as a reaction device.

■ Main Specifications

Model	HPG-96-1/HPG-96-5	HPG-10-1/HPG-10-5
Capacity	96mL	10mL
Max.working pressure	3MPa	5MPa
Test pressure (N2 gas)	6MPa	10MPa

Working Temperature Range

HPG-96-1 & HPG-10-1	-78°C ~ +100°C
HPG-96-5 & HPG-10-5	RT ~ 100°C

Material of Each Part

GL pressure cylinder	Hyper glass	(Inner cylinder)
PC pressure cylinder	Polycarbonate	(Outer cylinder)
Sealing joint	SUS316	
O-ring for joint inner sealing	Viton	Standard specification
	HNBR	As option
	Dai-el Perflour	As option
O-ring for PC cylinder	Silicon rubber	

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