

Pressure Vessels

Product Information 2018 (Excerpt)

- Heavy wall borosilicate glass vessels for pressure reactions and applications
- **Working pressure: 60 PSI (4.15 bar)**
- PTFE bushing with internal thread as a pressure seal
- Allows hand tightening and loosening for easy access
- Complete vessel is supplied with vessel, back seal solid PTFE Bushing and Viton o-ring
- Separate tubes, Viton and Perfluoro o-rings and different PTFE Bushings available



Cylindrical Tubes Complete

Cat. No.	OD x Length	Capacity	Bushing Size
CG-1880-01	25.4 x 114 mm	15 ml	# 15
CG-1880-02	25.4 x 190 mm	35 ml	# 15
CG-1880-03	25.4 x 215 mm	38 ml	# 15
CG-1880-04	38.0 x 114 mm	48 ml	# 15
CG-1880-05	38.0 x 190 mm	100 ml	# 15
CG-1880-06	38.0 x 215 mm	120 ml	# 15

Round Bottom Tubes Complete (egg-shaped)

Cat. No.	OD x Length	Capacity	Bushing Size
CG-1880-10	52.0 x 102 mm	75 ml	# 15
CG-1880-40	52.0 x 102 mm	75 ml	# 25
CG-1880-11	63.5 x 117 mm	150 ml	# 15
CG-1880-41	63.5 x 117 mm	150 ml	# 25
CG-1880-12	82.5 x 142 mm	350 ml	# 15
CG-1880-42	82.5 x 142 mm	350 ml	# 25

Round Bottom Tubes Complete (completely round, shaped similar to a round bottom flask)

Cat. No.	OD x Length	Capacity	Diameter Matches Round Flask Capacity	Bushing Size
CG-1880-R-01	48 x 85 mm	approx. 28 ml	50 ml	# 25
CG-1880-R-02	60 x 100 mm	approx. 65 ml	100 ml	# 25
CG-1880-R-03	85 x 125 mm	approx. 200 ml	250 ml	# 25
CG-1880-R-04	105 x 145 mm	approx. 420 ml	500 ml	# 25

PTFE Bushings

Cat. No.	Description
CG-363-03	Back Seal, Solid, # 15
CG-363-05	Back Seal, Solid, # 25
CG-366-12	Front Seal, Solid, # 15
CG-366-13	Front Seal, Solid, # 25
CG-362-03	Front Seal, Open Top, # 15
CG-362-05	Front Seal, Open Top, # 25
CG-364-40	Front Seal, 1/8" Female NPT, # 15
CG-364-60	Front Seal, 1/8" Female NPT, # 25



PTFE Bushings: Back Seal (left side) and Front Seal (right side)

Pressure vessels are tested at 150 PSI (10.34 bar) or approximately 2.5 times their recommended working pressure of **60 PSI (4.15 bar)**. However, we do not guarantee the vessels from breaking under pressure due to the nature of the material and conditions beyond our control. We recommend the use of safety shields and/or other safety equipment.

Microwave Reaction Vials

- Heavy wall borosilicate glass vials
- **Withstand pressure up to 300 PSI (20 bar)**
- All sizes are supplied with 20 mm aluminum seals with 0.125" thick PTFE faced silicone septa
- Complete packages contain stir bars and aluminium seals, not assembled



Complete Packages include the following:

CG-4920-04	100 pcs. 0.2 - 0.5 ml vials, 100 pcs. 20 mm aluminium seals with septa, 100 pcs. 2 mm diameter x 5 mm long PTFE stir bars
CG-4920-03	100 pcs. 0.5 -2.0 ml tapered vials, 100 pcs. 20 mm aluminium seals with septa, 100 pcs. 5.25 mm width x 11 mm height triangular shaped PTFE stir vanes
CG-4920-01	100 pcs. 2.0 - 5.0 ml round bottom vials, 100 pcs. 20 mm aluminium seals with septa, 100 pcs. 3 mm diameter x 10 mm long PTFE stir bars
CG-4920-02	100 pcs. 10.0 - 20.0 ml round bottom vials, 100 pcs. 20 mm aluminium seals with septa, 12 pcs. 6 mm diameter x 15 mm long egg shaped PTFE stir bars

Cat. No.	OD x Length	Capacity	Vial Form
CG-4920-04	8 x 83 mm	0.2 - 0.5 ml	---
CG-4920-03	16 x 83 mm	0.5 - 2.0 ml	Tapered
CG-4920-01	16 x 83 mm	2.0 - 5.0 ml	Round
CG-4920-02	28 x 83 mm	10.0 - 20.0 ml	Round

Replacement Components

Cat. No.	Description	Cs
CG-4920-10	20 mm aluminum seals with 0.125" thick PTFE faced silicone septa	200
CG-4920-15	3 mm diameter x 10 mm long PTFE stir bars	50
CG-4920-16	6 mm diameter x 15 mm long egg shaped PTFE stir bars	12
CG-4920-17	5.25 mm width x 11 mm height triangular shaped PTFE stir vanes	50
CG-4920-18	2 mm diameter x 5 mm long PTFE stir bars	50

Crimper and Decapper

- Hand operated
- For 20 mm aluminum seals

Cat. No.	Description
CG-4930-20	Crimper for 20 mm aluminum seals
CG-4930-21	Decapper (Pliers-Type)
CV-5706-0020	Decapper for 20 mm aluminum seals (Crimp-Type)

