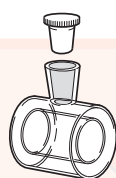
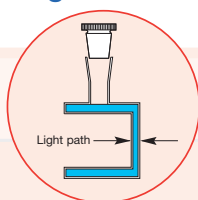


Type 31. Cylindrical. Short path length

- Two polished windows.
- Closed by PTFE stopper, providing a liquid-tight seal.



31/Q/1



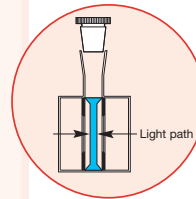
Light path

Type 31/B. Cylindrical. Short path length, micro.

- Reduced sample volume.
- Two polished windows.
- Two filling ports, closed by two PTFE stoppers, providing a liquid-tight seal.



31/B/Q/1



Light path

Type No.	Window Materials	Path Length	Internal Dia.	External Dia.	L	Nominal Vol. ml
31	Q, I, SX	0.01	15	22	22.5	2.15
31	Q, I, SX	0.05	15	22	22.5	2.15
31	Q, I, SX	0.10	15	22	22.5	2.15
31	Q, I, SX	0.20	15	22	22.5	2.18
31	Q, I, SX	0.50	15	22	22.5	2.22
31	Q, I, SX	1	15	22	22.5	2.31
31	Q, I, SX	2	15	22	22.5	2.49
31	Q, I, SX	5	15	22	22.5	3.02

Type No.	Window Materials	Path Length	Internal Dia.	External Dia.	L	Nominal Vol. ml
31/B	Q	0.01	13	22	22.5	0.140
31/B	Q	0.05	13	22	22.5	0.151
31/B	Q	0.10	13	22	22.5	0.165
31/B	Q	0.20	13	22	22.5	0.194
31/B	Q	0.50	13	22	22.5	0.278
31/B	Q	1	13	22	22.5	0.420
31/B	Q	2	13	22	22.5	0.703
31/B	Q	5	13	22	22.5	1.552

Type 32. Cylindrical. Standard

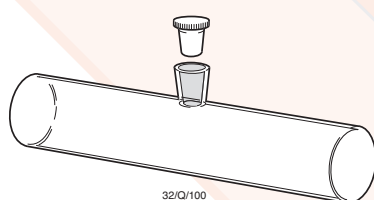
- Two polished windows.
- Closed by a single PTFE stopper, providing a liquid-tight seal.



32/Q/1



32/Q/5

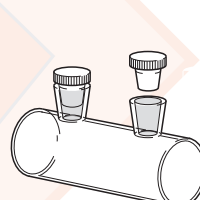


32/Q/100

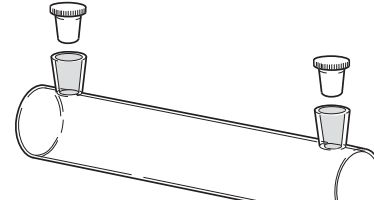
Type No.	Window Materials	Path Length	Internal Dia.	External Dia.	L	Nominal Vol. ml
32	SOG, PX, Q, I, SX	1	19	22	3.5	0.28
32	SOG, PX, Q, I, SX	2	19	22	4.5	0.56
32	SOG, PX, Q, I, SX	5	19	22	7.5	1.40
32	SOG, PX, Q, I, SX	10	19	22	12.5	2.80
32	SOG, PX, Q, I, SX	20	19	22	22.5	5.60
32	SOG, PX, Q, I, SX	50	19	22	52.5	14.10
32	SOG, PX, Q, I, SX	100	19	22	102.5	28.20

Type 34. Cylindrical. Standard

- Two polished windows.
- Closed by two PTFE stoppers, providing a liquid-tight seal.



34/Q/50



34/Q/100

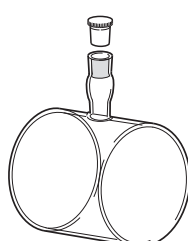
Type No.	Window Materials	Path Length	Internal Dia.	External Dia.	L	Nominal Vol. ml
34.4	Q	100	4	6	102.5	1.30
34.8	Q	100	8	10	102.5	5.10
34.10	Q	100	10	12	102.5	7.86
34.12	Q	100	12	14	102.5	11.35
34	SOG, PX, Q, I, SX	50	19	22	52.5	14.10
34	SOG, PX, Q, I, SX	100	19	22	102.5	28.20
34	Q	200	19	22	202.5	56.40

Type 35. Cylindrical. Large diameter

- Two polished windows.
- Closed by PTFE stopper(s), providing a liquid-tight seal.



35/Q/5

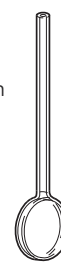


35/Q/50

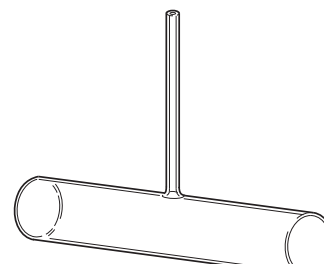
Type No.	Window Materials	Path Length	Internal Dia.	External Dia.	L	Nominal Vol. ml
35	SOG, PX, Q, I	2	47	50	4.5	3.40
35	SOG, PX, Q, I	5	47	50	7.5	8.50
35	SOG, PX, Q, I	10	47	50	12.5	17.00
35	SOG, PX, Q, I	20	47	50	22.5	35.00
35	SOG, PX, Q, I	50	47	50	52.5	86.00
35	Q	100	47	50	102.5	172.00

Type 37. Cylindrical with tube

- Two polished windows.
- Tube material the same as cell body.
- Available on request with restriction for easy seal.



37/Q/1



37/Q/100

Type No.	Window Materials	Path Length	Int. Dia.	Ext. Dia.	L	Tube ID.	Tube OD.	L	Nominal Vol. ml
37	SOG, PX, Q, I, SX	1	19	22	3.5	2	4	70	0.28
37	SOG, PX, Q, I, SX	2	19	22	4.5	2	4	70	0.56
37	SOG, PX, Q, I, SX	5	19	22	7.5	2	4	70	1.40
37	SOG, PX, Q, I, SX	10	19	22	12.5	2	4	70	2.80
37	SOG, PX, Q, I, SX	20	19	22	22.5	2	4	70	5.60
37	SOG, PX, Q, I, SX	50	19	22	52.5	2	4	70	14.10
37	SOG, PX, Q, I, SX	100	19	22	102.5	2	4	70	28.20

Rectangular & Cylindrical with Quartz to Borofloat graded seal (GS)

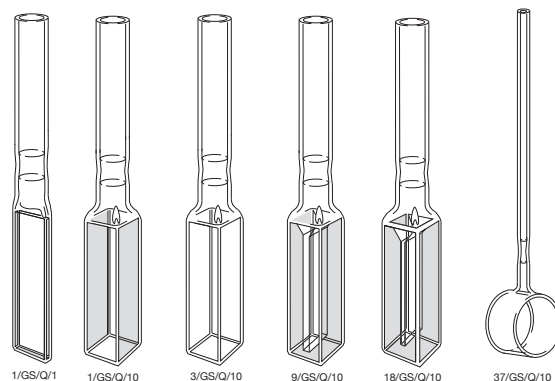
- Quartz to borofloat graded seal fully fused to cell.
- Different diameters and lengths of graded seals can be supplied on request.

Rectangular & Cylindrical with straight tube (SBT)

- Quartz tube fully fused to quartz cell.
- Borofloat tube fully fused to borofloat cell
- Different diameters & lengths of straight bore tube can be supplied on request.

Rectangular for Low Temperature (HLT/GS) with Quartz to Borofloat graded seal

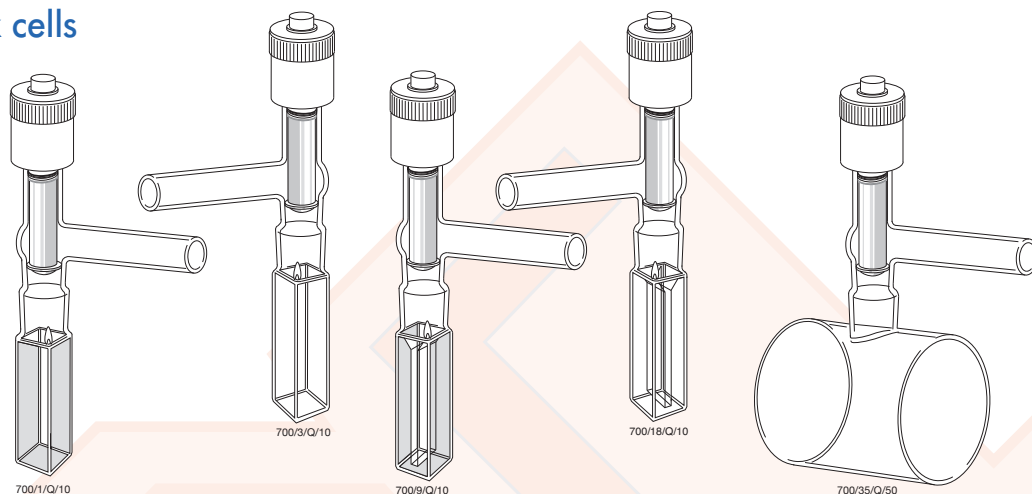
- 2mm thick walls.
- Fully fused 'welded' joints.
- Quartz to borofloat graded seal



Type No.	Window Materials	Path Length	Internal Width	Internal Dia.	L	External W	H	D	Tube ID.	OD.	L	Nominal Vol. ml	Remarks
1/GS or SBT	Q, I	1	10		3.5	12.5	115		8	10	70	0.40	Macro/Standard rectangular
1/GS or SBT	Q, I	2	10		4.5	12.5	115		8	10	70	0.70	Macro/Standard rectangular
1/GS or SBT	Q, I	5	10		7.5	12.5	115		8	10	70	1.70	Macro/Standard rectangular
1/GS or SBT	Q, I	10	10		12.5	12.5	115		8	10	70	3.50	Macro/Standard rectangular
3/GS or SBT	Q, I	10	10		12.5	12.5	115		8	10	70	3.50	Fluorimeter
9/GS or SBT	Q, I	10			12.5	12.5	115		8	10	70	1.40	Semi-micro
18/GS or SBT	Q, I	10			12.5	12.5	115		8	10	70	0.70	Micro
37/GS	Q, I	1		19	3.5			22	2	4	70	0.28	Cylindrical
37/GS	Q, I	2		19	4.5			22	2	4	70	0.56	Cylindrical
37/GS	Q, I	5		19	7.5			22	2	4	70	1.40	Cylindrical
37/GS	Q, I	10		19	12.5			22	2	4	70	2.80	Cylindrical
37/GS	Q, I	20		19	22.5			22	2	4	70	5.60	Cylindrical
37/GS	Q, I	50		19	52.5			22	2	4	70	14.00	Cylindrical
37/GS	Q, I	100		19	102.5			22	2	4	70	28.00	Cylindrical
1/HLT/GS	Q	10	8.5	10	12.5		115		8	10	70	3.5	Macro/Standard rectangular
3/HLT/GS	Q	10	8.5	10	12.5		115		8	10	70	3.5	Fluorimeter

Type 700. UHV Stopcock cells

- High vacuum patented stopcock.
- All cells will withstand evacuation $<10^{-11}$ Tor.
- PTFE threaded.
- Can be fused to most quartz cells.
- Stopcock itself can withstand pressure up to 5 bar (5×10^5 Pa).
- For cell pressure guidance; please enquire.



Type No.	Window Material	Path Length	External L	W	H	Side arm ID.	OD.	Length	Remarks
700/1	Q	10	12.5	12.5	≈135/150	10	13	50	Type 1 Macro
700/3	Q	10	12.5	12.5	≈135/150	10	13	50	Type 3 Fluorimeter
700/9	Q	10	12.5	12.5	≈135/150	10	13	50	Type 9 Semi micro
700/18	Q	10	12.5	12.5	≈135/150	10	13	50	Type 18 Micro
700/32	Q	10	22.5	22Ø	≈135/150	10	13	50	Type 32 Cylindrical
700/32	Q	20	22.5	22Ø	≈135/150	10	13	50	Type 32 Cylindrical
700/32	Q	40	42.5	22Ø	≈135/150	10	13	50	Type 32 Cylindrical
700/32	Q	50	52.5	22Ø	≈135/150	10	13	50	Type 32 Cylindrical
700/32	Q	100	102.5	22Ø	≈135/150	10	13	50	Type 32 Cylindrical
700/35	Q	50	52.5	50Ø	≈135/150	10	13	50	Type 35 Cylindrical
700/35	Q	100	102.5	50Ø	≈135/150	10	13	50	Type 35 Cylindrical

