

查询P9809/NC/A/S供应商

712-9543 to 712-9700

捷多邦，专业PCB打样工厂，24小时加急出货

John Poulten Ltd.

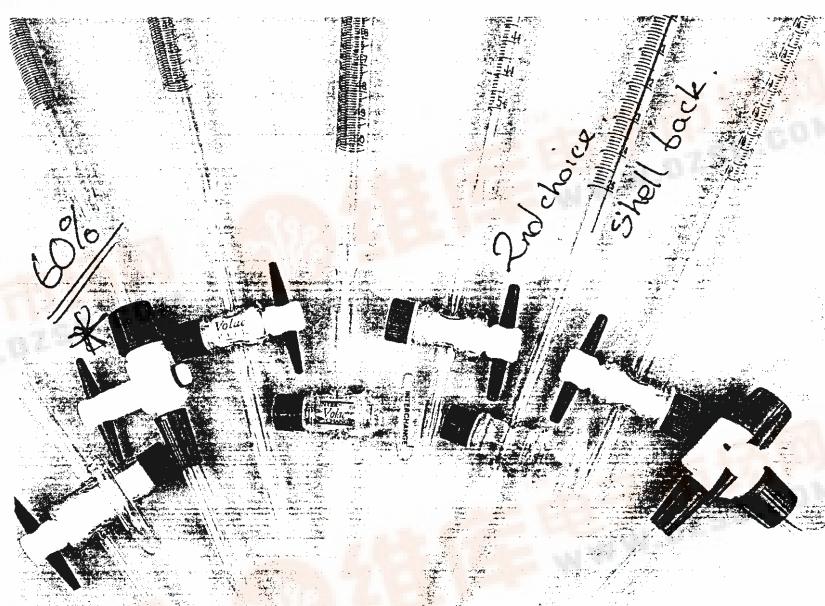
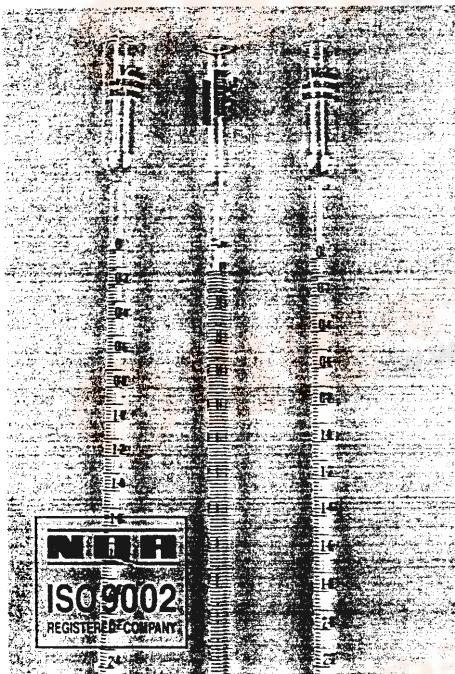
77-93 Tanner Street, Barking, Essex IG11 8QD, England

Telephone: 0181-594 4256 Telefax: 0181-594 8419

## VOLAC – VOLumetric ACCuracy – The Ultimate Precision in Laboratory Glassware

### BURETTES

To British Standard BS846



### Volac – Probably the most *reliably* accurate laboratory volumetric products available

"Volac" burettes are manufactured in a range of sizes from 1 ml to 100 ml capacity. All "Volac" burettes now come in single packs.

Three cane forms are available – Class A standard, Class B standard and Class B Schellbach, each featuring bold figures and fine graduation lines in permanent amber stain. Expanded cups are added to sizes up to 10 ml for ease of filling. Except where stated all forms are available with the following stopcocks across the whole capacity range. These three cane forms combine with six different types of stopcock.

- 1) Type R901; Class B straight glass key in glass barrel.
- 2) Type R903; Interchangeable straight glass key in glass barrel.
- 3) Type R906; Interchangeable straight ptfe key in glass barrel.
- 4) Type R907; Interchangeable 2-way ptfe key in glass barrel.

### CLASS A

Class A burettes are available uncertified (suffix NC) or with a works certificate (suffix WAC). All "Volac" Class A burettes are individually calibrated and tested, are all individually numbered and fully traceable, and all show their flow time inscribed on the instrument. Works certificate burettes additionally come with a certificate specifying accuracy at 5 points. Where glass jets are removable they are also inscribed with the number of the instrument for traceability\*.

### CLASS A BURETTE RANGES

Prefix R9803/NC/-Uncertified	Class A burettes with interchangeable straight glass key in glass barrel.
R9803/WAC/-Certified	
R9806/NC/-Uncertified	Class A burettes with interchangeable straight ptfe key in glass barrel.
R9806/WAC/-Certified	
R9807/NC/-Uncertified	Class A burettes with interchangeable 2-way ptfe key in glass barrel.
R9807/WAC/-Certified	
R9804/NC/-Uncertified	Class A burettes with 2-way ptfe stopcock fully removable.*
R9804/WAC/-Certified	
R9809/NC/-Uncertified	Class A burettes with straight ptfe stopcock fully

### CLASS A SIZE RANGE USING THE STOPCOCKS AND PREFIXES SHOWN

Code Suffix	Capacity/graduation	Pack size	Accuracy limits $\pm$ ml	Flow time limits in secs
R-/-A	1 ml in 0.01	1	0.01	35-45
B	2 ml in 0.02	1	0.01	50-70
C	5 ml in 0.02	1	0.01	75-95
Y	10 ml in 0.02	1	0.02	60-100
Z	10 ml in 0.05	1	0.02	75-95
F	25 ml in 0.05	1	0.03	70-100
G	25 ml in 0.1	1	0.05	45-75
H	50 ml in 0.1	1	0.05	60-100
I	100 ml in 0.2	1	0.10	60-100

## CLASS B

"Volac" Class B burettes are available across a similar volume range to Class A. All stopcocks used for Class A are available plus a Class B straight glass key in a glass barrel (range R9101).

The new range R9109 with removable ptfe key and body is economical and offers exceptional performance with minimised stick slip and no maintenance. The R9104 range offers equivalent performance with a two-way flow stopcock.

### CLASS B BURETTE RANGES

Prefix R9101/- Class B burettes with straight glass key in glass barrel.

R9103/- Class B burettes with interchangeable straight glass key in glass barrel.

R9106/- Class B burettes with straight ptfe key in glass barrel.

R9109/- Class B burettes with straight ptfe removable stopcock.

R9107/- Class B burettes with 2-way flow ptfe key in glass barrel.

R9104/- Class B burettes with 2-way flow ptfe removable stopcock.

### CLASS B SIZE RANGES

Code Suffix	Capacity/ graduation	Pack size limits	Accuracy $\pm$ ml	Flow time in secs
R-/A/S	1 ml in 0.01	1	0.02	20-45
/B/S	2 ml in 0.02	1	0.02	25-70
/C/S	5 ml in 0.02	1	0.02	40-95
/D/S*	5 ml in 0.05	1	0.05	—
/E/S	10 ml in 0.02	1	0.05	40-95
/Z/S	10 ml in 0.05	1	0.05	45-75
/F/S*	10 ml in 0.1	1	0.05	—
/G/S	25 ml in 0.05	1	0.05	35-100
/H/S	25 ml in 0.1	1	0.1	25-75
/I/S	50 ml in 0.1	1	0.1	30-100
/J/S	100 ml in 0.2	1	0.2	30-100

\*not listed in BS846.

## SCHELLBACH BURETTE RANGES

Prefix R9501/- Schellbach burettes with straight glass key in glass barrel.

R9503/- Schellbach burettes with interchangeable straight glass key in glass barrel.

R9506/- Schellbach burettes with straight ptfe key in glass barrel.

R9507/- Schellbach burettes with 2-way flow ptfe key in glass barrel.

R9509/- Schellbach burettes with straight ptfe removable stopcock.

R9504/- Schellbach burettes with 2-way flow ptfe removable stopcock.

As with standard Class B burettes the new R9509 and R9504 ranges offer excellent economy allied to absence of stick slip and no maintenance.

## SCHELLBACH SIZE RANGES

Code Suffix	Capacity/ graduation	Pack size	Accuracy $\pm$ ml	Flow time in secs
R-/A/S*	10ml in 0.1	1	0.05	—
/B/S	25ml in 0.1	1	0.10	25-75
/C/S	50ml in 0.1	1	0.10	30-100
/D/S	100ml in 0.2	1	0.20	30-100

\*not listed in BS846

## DISPENSING BURETTES

For the delivery of larger volumes of liquid, these burettes incorporate graduations and bold figures in permanent amber markings and a single way (straight) glass key in a glass barrel.

R200/A 250ml in 1ml single pack  $\pm 1$  ml accuracy  
R200/B 500ml in 2ml single pack  $\pm 2$  ml accuracy

## AUTO-ZERO BURETTES

These burettes have a zero setting overflow and 2-way ptfe interchangeable key in a glass barrel. Graduation and figures are in permanent amber stain. The overflow cup is detachable.

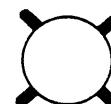
R201/A 25ml in 0.1 single pack  $\pm 0.1$  ml accuracy  
R201/B 50ml in 0.1 single pack  $\pm 0.1$  ml accuracy

## R904 SERIES GUIDANCE FOR USE

Burettes with R904 series stopcocks, R9804, R9104, R9504 fully removable 2-way ptfe stopcocks.

A small orange marker button is situated on one side only at 90° to the key arms.

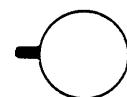
Using the position of this marker button as shown in figure 1 the following functions are possible:



### SPECIAL NOTE

When users wish to check the accuracy of volumetric glassware, care should be taken not only to avoid parallax error but also to avoid a false view of the bottom of the meniscus. Use of a black ring, clip or surround 1mm below the mark will give a black reflection on the bottom of the meniscus and dramatically improve the accuracy of the reading (see ISO4787 or BS6696). We can supply suitable black clips on request.

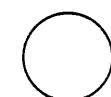
With marker button in any 45° position all inlets/outlets are CLOSED.



Liquid flow from burette open to jet; reservoir closed.



Liquid flow from reservoir open to burette; jet closed.



Liquid flow from reservoir open to jet; burette closed.

