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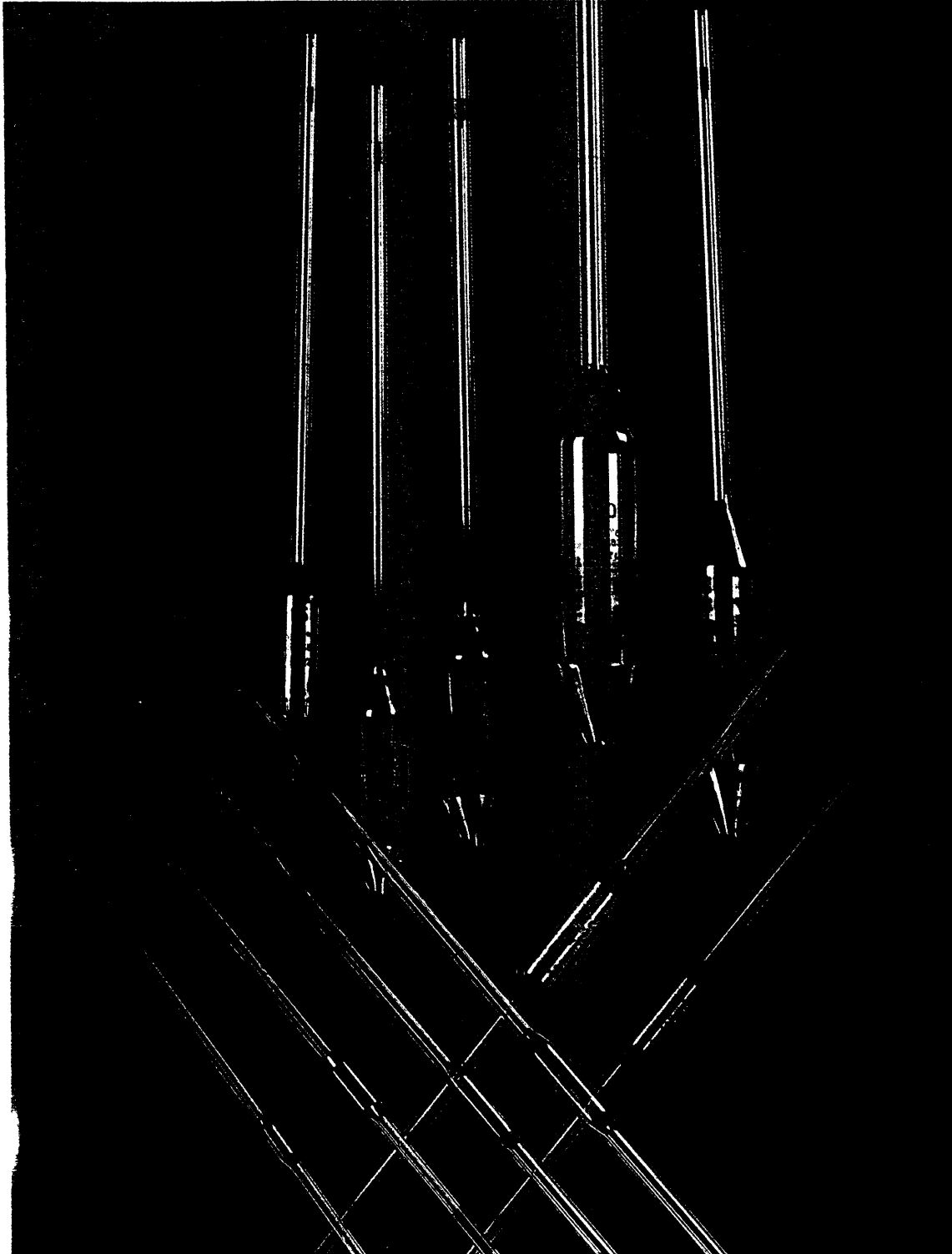
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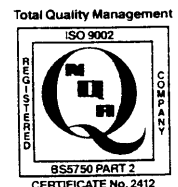
VOLAC – VOLumetric ACcuracy – The Ultimate Precision in Laboratory Glassware

ONE-MARK BULB PIPETTES

To British Standard (BS1583)



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



One mark bulb pipettes are probably the most accurate form of volumetric glassware. "Volac" bulb pipettes are the most accurate of all.

Available in a range of capacities from 1 ml to 100 ml, they are manufactured from selected glass tubing by a special one piece process which eliminates the inherent weakness in joining glass of different diameters. This robust construction method is combined with ring marks and bold, easily read figures in permanent amber stain, durable colour codes and superbly formed and accurately bevelled jets. All tips are "Tufftip" treated to resist damage or breakages on knocking. All pipettes are calibrated to deliver.

ALL Class A bulb pipettes are individually calibrated and tested and each one is individually numbered and scribed with the flow time. All "Volac" Class A bulb pipettes are fully traceable.

CLASS A ACCURACY

"Volac" Class A bulb pipettes are guaranteed to give both volumes and flow times within the Class A limits. Suffix NC denotes verification only; suffix WAC denotes pipettes with a Works Accuracy Certificate. All "Volac" Class A pipettes, whether NC or WAC, are individually calibrated and tested, each is individually numbered and fully traceable and each is individually marked with the time of flow to deliver.

Reference Number	Capacity ml	Colour Code	Class A Accuracy Limits \pm ml	St'd Pack Qty	Delivery Time Seconds Min/Max	Max Allowed Observed Difference in Seconds	Reference Number	Capacity ml	Colour Code	Class A Accuracy Limits \pm ml	St'd Pack Qty	Delivery Time Seconds Min/Max	Max Allowed Observed Difference in Seconds
<i>Verified</i>							<i>Certified</i>						
R371/NC/A/5	1.0	BLUE	0.008	5	10-20	2	R371/WAC/A/5	1.0	BLUE	0.008	5	10-20	2
/B/5	2.0	ORANGE	0.01	5	10-25	2	/B/5	2.0	ORANGE	0.01	5	10-25	2
/C/5	3.0	BLACK	0.15	5	10-25	2	/C/5	3.0	BLACK	0.15	5	10-25	2
/D/5	4.0	2 RED	0.015	5	10-25	2	/D/5	4.0	2 RED	0.015	5	10-25	2
/E/5	5.0	WHITE	0.015	5	15-30	3	/E/5	5.0	WHITE	0.015	5	15-30	3
/F/5	10.0	RED	0.02	5	15-40	3	/F/5	10.0	RED	0.02	5	15-40	3
/G/5	15.0	GREEN	0.025	5	15-40	3	/G/5	15.0	GREEN	0.025	5	15-40	3
/H/5	20.0	YELLOW	0.03	5	25-50	4	/H/5	20.0	YELLOW	0.03	5	25-50	4
/I/5	25.0	BLUE	0.03	5	25-50	4	/I/5	25.0	BLUE	0.03	5	25-50	4
/J/5	50.0	RED	0.05	5	30-60	5	/J/5	50.0	RED	0.05	5	30-60	5
/K/2	100.0	YELLOW	0.08	2	40-60	5	/K/2	100.0	YELLOW	0.08	2	40-60	5

CLASS B ACCURACY

"Volac" Class B bulb pipettes are made to the same high standards and with the same one piece process as "Volac" Class A pipettes. The same amber stain markings, colour codes and superb accuracy of jet are standard. All tips are "Tufftip" treated to resist damage; all pipettes are calibrated to deliver.

Reference Number	Capacity ml	Colour Code	Class B Accuracy Limits \pm ml	St'd Pack Qty	Delivery Time Seconds Min/Max
<i>Verified</i>					
R370/A/5	1.0	BLUE	0.015	5	5-20
/B/5	2.0	ORANGE	0.02	5	5-25
/C/5	3.0	BLACK	0.03	5	5-25
/D/5	4.0	2 RED	0.03	5	5-25
/E/5	5.0	WHITE	0.03	5	7-30
/F/5	10.0	RED	0.04	5	8-40
/G/5	15.0	GREEN	0.05	5	8-40
/H/5	20.0	YELLOW	0.06	5	9-50
/I/5	25.0	BLUE	0.06	5	10-50
/J/5	50.0	RED	0.1	5	13-60
/K/2	100.0	YELLOW	0.15	2	25-60

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 1 mm 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.