

# GAS APPARATUS



**TGG - 1**

## **TGG-1 Gas Wash Bottle Ordinary Complete Taper joint 29/32.**

Cat. No.	Cap. ml.	Price
4613	125	
4614	250	
4615	500	



**TGG - 2**

## **TGG-2 Gas Wash Bottle with sintered end complete Taper joint 29/32.**

Cat. No.	Cap. ml.	Disc Por	Price
4616	125	0	
4617	250	0	
4618	500	0	
4619	125	1	
4620	250	1	
4621	500	1	
4622	125	2	
4623	250	2	
4624	500	2	
4625	125	3	
4626	250	3	
4627	500	3	



**TGG - 3**

## **TGG-3 Gas Wash Bottle with sintered end complete, Taper joint 29/32.**

Cat. No.	Cap. ml.	Disc Por	Price
4628	125	0	
4629	250	0	
4630	500	0	
4631	125	1	
4632	250	1	
4633	500	1	
4634	125	2	
4635	250	2	
4636	500	2	
4637	125	3	
4638	250	3	
4639	500	3	



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## TGG-4 Gas Wash Bottle with sintered end.

Cat. No.	Cap. ml.	Disc Por	Price
4640	125	0	
4641	250	0	
4642	500	0	
4643	125	1	
4644	250	1	
4645	500	1	
4646	125	2	
4647	250	2	
4648	500	2	
4649	125	3	
4650	250	3	
4651	500	3	



TGG - 4

## TGG-5 Gas Wash Bottle Trap with sintered end.

Cat. No.	Size mm	Price
4652	40 x 200	
4653	60 x 250	

TGG - 5



## TGG-6 Gas Buret.

precision with 120° bore Stopcock at top and bore connector at bottom calibrated volume begins at the Stopcock with Graduations to 100 ml. in 1/20 ml Sub divisions. The lines from stopcock to 1 ml. are omitted due to uncertainty of accuracy of readings in this tapered area.

Cat. No.	Cap. ml.	Price
4654	100	

TGG - 6



## TGG-7 Gas Buret.

Hempel Graduated to 100 ml. in 2/10 ml. Sub Divisions, Buret tube has a straight stem at the top and one at the bottom bent at a 90° angle to the buret tube.

Cat. No.	Cap. ml.	Subdivision ml.	Tolerance + ml	Price
4655	100	2/10	0.2	

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# GAS APPARATUS



**TGG - 8**

### TGG-8 Gas Collecting Tube.

PTFE Plug Stand by design assures good performance in the yield or laboratory. supplied with Stopcock Plugs.

Cat. No.	Cap. ml.	Approx. Body O.D. x Length mm	Stopcock Size	Price
4656	125	30 x 300	2	
4657	250	51 x 340	4	
4658	500	64 x 380	4	



**TGG - 9**

### TGG-9, Gas Collecting Tube.

PTFE Plugs Unit has a side outlet in body for a self sealing syringe stopper, useful in gas chromatography or mass spectroscopy. Stopcocks have PTFE Plugs.

Cat. No.	Cap. ml.	Approx. Body O.D. x Length mm	Stopcock Size	Price
4659	25	25 x 220	2	
4660	50	28 x 250	2	
4661	125	38 x 300	2	
4662	250	51 x 340	4	
4663	500	64 x 380	4	



**TGG - 10**

### TGG-10 Gas Manifold - 3 Place.

Cat. No.	Stopcock Glass PTFE Plug	Price
4664	Stopcock	



**TGG - 11**

### TGG-11 Gas Manifold - 4 Place.

Cat. No.	Stopcock Glass PTFE Plug	Price
4665	Stopcock	



## GAS APPARATUS

### TGG-26 Gas Burettes, Tutweiler.

Cat. No.	Description	Price
4723	For determining hydrogen sulphide in illuminating and other gases. The burette has two stopcocks at top and bottom and is graduated at 100 ml and 110 ml. The volume between the 110 ml mark and the lower stopcock is approximately 5 ml. The 10 ml reservoir is graduated in 0.1 ml divisions.	
4724	Similar to 4723 but with graduations at 500 ml. 520 ml and 540 ml. The volume between 540 ml. mark and the the lower stopcock is approximately 25 ml.	



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### TGG-27 Gas Burette, Bente.

Cat. No.	Description	Price
4725	This burette has two stopcocks and stoppered cup. The bulb capacity is 55 ml and the burette is graduated 45-0-15 ml in 0.2 ml divisions. The stoppered cup is graduated at 20 ml and 25 ml.	



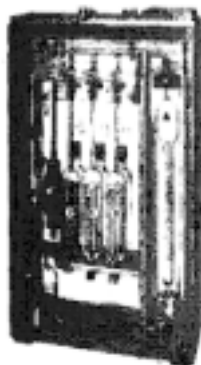
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### TGG-28 Gas Sampling Tubes, 3 - way Double Oblique Bore Stopcock.

Cat. No.	Cap. ml.	Price
4726	125	
4727	250	
4728	500	
4729	1000	



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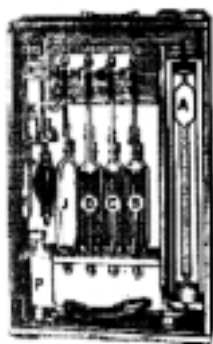
**TGG - 29**

## **TGG-29 Gas Analysis Apparatus, 3 Test, Orsat.**

Cat. No.	Description	Price
4730	For the analysis of CO <sub>2</sub> , CO and O <sub>2</sub> Comprising of levelling bottle 100 ml gas burette with outer jacket, three absorption pipettes (two filled with glass tubes and one with copper spiral and glass tubes), 3 - test manifold, calcium chloride tube and rubber bellow. In woodencase with sliding doors.	

### **SPARES :**

4731	100 ml gas burette with outer jacket for 4730	
4732	3 - test manifold for 4730	
4733	Absorption pipette filled with glass tubes for 4730	



**TGG - 30**

## **TGG-30 Gas Analysis Apparatus, 4 - Test, Orsat.**

Cat. No.	Description	Price
4734	Similar to 4730 in general design but with four pipettes and a palladium asbestos tube. This is for the analysis of CO <sub>2</sub> , CO, O <sub>2</sub> , H <sub>2</sub> and nitrogen (by difference). Comprising of levelling bottle 100 ml, gas burette with outer jacket four absorption pipettes (Two filled with glass tubes, adjustable spirit lamp 4 - test manifold, calcium chloride tube one filled with copper spiral and glass tubes and the other plain). Palladium asbestos tube, and rubber bellow. In wooden case with sliding doors.	

### **SPARES :**

4735	100 ml gas burette with outer jacket for 4734	
4736	4 - test manifold for 4734	
4737	Absorption pipette filled with glass tubes for 4734	



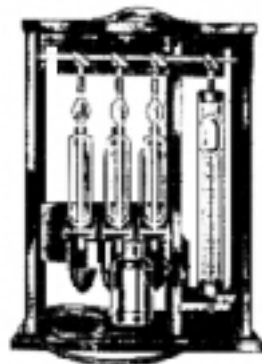
## GAS APPARATUS

### TGG-31 Gas Analysis Apparatus, with Bubbling Pipettes.

Cat. No.	Description	Price
4738	Similar to 4734 in general design but the pipettes are valveless automatic bubbling type and the manifold is provided with 120 stopcocks. Comprising of levelling bottle, 100 ml. gas burette with outer jacket, three bubbling type pipettes, manifold and rubber bellow. In wooden case with sliding doors.	

#### SPARES :

4739	100 ml gas burette with outer jacket for 4738	
4740	3 - test manifold with 120 Stopcocks for 4738	
4741	Absorption pipette of automatic valveless bubbling type for 4738	



TGG - 31

**TGG-32** Knorr Alkalimeter complete Apparatus includes a special condenser, funnel with a 2 glass stopcock a drying bulb, an adapter, all having 16 joints. Also supplied is 250 ml. Erlenmeyer flask with a 24/29 outer joint for the sample. Used in the analysis of carbon dioxide & Sulphur dioxide in carbonates.

Cat. No.	Supplied	Price
4742	Complete Set	
4743	Condenser 24/29	
4744	Separatory Funnel,	
4745	Drying Bulb, Adapter,	
4746	Erlenmeyer Flask 24/29	



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