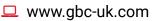
01844 201555



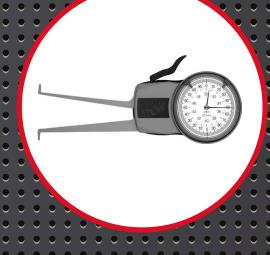
sales@gbc-uk.com

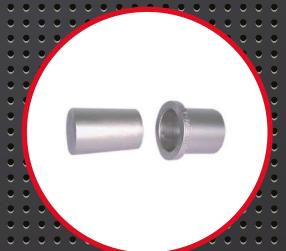


TUBE TESTING **EQUIPMENT**



- Pipe Bevelling Machines
- Pipe Cutting Machines
- **Grinding Machines**
- Pipe Stands and Clamps
- Pipe Purging
- Plate Bevellers
- Heat Exchanger, Boiler & Bundle
- Plus so much more....









GBC INDUSTRIAL TOOLS LTD ARE THE 'PIPE EQUIPMENT SPECIALISTS' FOR THE SUPPLY OF PIPEWORK EQUIPMENT AND TOOLS.

Over the past 30 years our parent company GBC Industrial Tools Spa, has established itself as one of the worlds leading manufacturers of portable pipework machinery, due to its consistent high level of quality, both in product and service. We are pleased to be part of that team.

GBC has established an extensive distribution network to industries across the world. These industries include:

- Petrochemical
- Offshore
- Power Generation
- Heat Exchange Manufacture/Repair
- Boiler Industry
- Ship Building and Repair
- Nuclear
- General Fabrication





Site Services

GBC Industrial Tools offer a comprehensive range of on-site machining services, please check with our office for your specific requirements.

This brochure has been designed to give you a brief introduction to our extensive range of products.

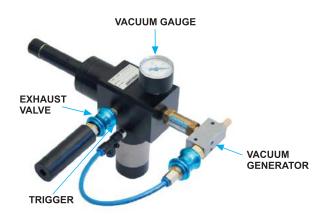




Registered address: 7 Drakes Drive, Crendon Business Park Long Crendon, HP18 9FE

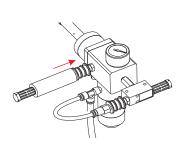
Registered in England & Wales. Registration no. 08966210 VAT no. 190019919

JOINT TESTING KIT

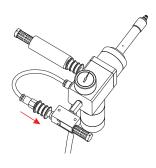


Features:

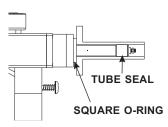
- Simple, Quick and Reliable tube joint testing. Test 10 tube joints per minute.
- Interchangeable seal sets: Allows testing of tube joints from 7.75 mm to 30.63 mm ID with easy to replace accessories.
- Joint Testing Gun weights less than 1.5 kg.
- Air supply: Uses standard plant air supplies from 70 psi to 100 psi (4.7 to 6.8 bar).
- Silent during use. Ergonomic design makes testing effortless.
- Each Kit packed in compact and handy case.



A) Close exhaust valve by sliding to extreme right



D) Slide vacuum valve to right to start generating vacuum. Gauge will indicate vacuum level.

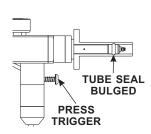


B) Insert manifold till square o-ring firmly sits on tube



E) Close vacuum slide valve by shifting to left. This will stop vacuum generation.

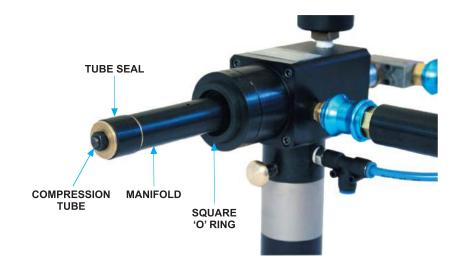
Observe vacuum gauge. Vacuum level falls if the joint is leaking.



C)

F) After testing the joint release the tube seal by sliding the exhaust to the left. The Joint Testing Kit can be withdrawn after the tube seal collapses.

JOINT TESTING KIT SPECIFICATIONS



Tube Size		Tube ID Range			Tube Sea	Diameter	Manifold with	Compression	
O.D.	bwg	mm	inch	Part No.	mm	inch	Square O ring	Tube Part No.	O ring
5/8"	9	8.37	.330	JTK- 300N	7.5	.295			
	10-13	9.07 - 11.05	.357435	JTK-370N	9	.354	JTM-15-125-5/8	JTK-15-125	JTK-16-5/8
	14-15	11.67 - 12.23	.459481	JTK-450N	11.6	.457	-		
	16-17	12.57 - 12.93	.495509	JTK-470N	12.2	.480		JTK-15-312	
	18-19	13.39 - 13.75	.527541	JTK-490N	13.3	.523	JTM-15-312-5/8		
	20-24	14.11 - 14.77	.555581	JTK-530N	13.8	.543			
	9	11.55	.455	JTK-430N	10.8	.425	JTM-15-312-3/4-1	JTK-15-312	
	10 - 11	12.25 - 12.95	.482510	JTK-450N	11.6	.457	JTM-15-125-3/4	JTK-15-125	
	12 - 13	13.53 - 14.23	.532560	JTK-490N	13.3	.523			
3/4"	14 - 15	14.85 - 15.41	.584606	JTK-530N	13.8	.543	ITM 45 040 0/4 0		JTK-16-3/4
	16 - 17	15.75 - 16.11	.620634	JTK-570N	15.4	.606	JTM-15-312-3/4-2	JTK-15-312	
	18 - 24	16.57 - 17.95	.652706	JTK-610N	16.5	.649			
	8-9	13.84 - 14.72	.544579	JTK-530N	13.8	.543	JTM-15-312-7/8-1 JTM-15-312-7/8-2	JTK-15-312	JTK-16-7/8
	10-11	15.42 - 16.12	.607635	JTK-570N	15.4	.606			
	12-13	16.7 - 17.4	.657685	JTK-610N	16.5	.649			
7/8"	14-17	18.02 - 19.28	.709759	JTK-690N	18	.708			
	18-19	19.74 - 20.1	.777791	JTK-740N	19.7	.775			
	20-24	20.46 - 21.12	.805831	JTK-790N	20.1	.791			
	8-9	17.02 - 17.9	.670704	JTK-610N	16.5	.649		JTK-15-312	JTK-16-1
	10-11	18.6 - 19.3	.732760	JTK-690N	18	.708			
	12-13	19.88 - 20.58	.782810	JTK-740N	19.7	.775	JTM-15-312-1		
1"	14-15	21.2 - 21.76	.834856	JTK-790N	20.1	.791			
	16-17	22.1 - 22.46	.870884	JTK-840N	21.7	.854		JTK-15-405	
	18-19	22.92 - 23.28	.902916	JTK-870N	22.9	.901	JTM-15-405-1		
	20-24	23.64 - 24.3	.930956	JTK-890N	23.3	.917			
	8-9	20.19 - 21.07	.795829	JTK-790N	20.1	.791	JTM-15-312-1.1/8	JTK-15-312	
	10-11	21.77 - 22.47	.857884	JTK-840N	21.7	.854			
	12-13	23.05 - 23.75	.907935	JTK-870N	22.9	.901		JTK-15-405	JTK-16-1.1/8
1.1/8"	14-15	24.37 - 24.93	.959981	JTK-890N	23.3	.917	JTM-15-405-1.1/8		
	16-17	25.27 - 25.63	.994 - 1.009	JTK-980N	25.2	.992			
	18-19	26.09 - 26.45	1.027 - 1.041	JTK-990N	26.0	1.024			
	20-24	26.81 - 27.47	1.055 - 1.081	JTK-1040N	26.8	1.055			
	8-11	23.37 - 25.65	.920 - 1.01	JTK-890N	23.3	.917	ITM 45 405 4 4/4		
1 1/4"	12-13	26.23 - 26.93	1.032 - 1.060	JTK-990N	26.0	1.024			1714
1.1/4"	14-17	27.55 - 28.81	1.084 - 1.134	JTK-1090N	27.5	1.082	JTM-15-405-1.1/4	JTK-15-405	JTK-16-1.1/4
	18-24	29.27 - 30.65	1.152 - 1.206	JTK-1100N	29.2	1.149			

VACUUM LEAK DETECTOR



The Vacuum Tube Leak Tester PVLD-3000 is a simple and precise tool used for testing tubes of boilers, condensers and heat exchangers.

It is the fastest and most accurate method of locating leaky tubes for plugging or replacement or installation of new tubes.

It works on the principle of vacuum in which the tool sucks the air from the tube and creates a vacuum to a desired reading on gauge.

Steady reading on gauge indicates NO LEAK.

If the reading on the gauge drops it indicates a tube with a LEAK.

Features:

- Only one tool necessary for testing multiple tube sizes.
- Built-in easy to read vacuum gauge.
- Multifiled exhaust for quiet operation.
- Lightweight and easy to use.

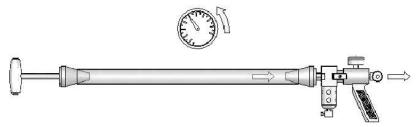
TUBE SEALS AVAILABLE

Part No.	Tube OD Size			
P-760	1/4" (6.3mm) - 3/4" (19.5mm)			
P-1250	5/8" (15.9mm) - 1.1/4" (31.7mm)			
P-2000	1.1/8" (28.6mm) - 2" (50.8mm)			
P-3000	1.7/8" (47.6mm) - 3" (76.2mm)			

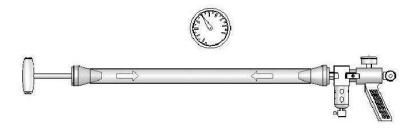
OPERATING INSTRUCTIONS



1) Connect air supply to the gun Plug both ends of the tube to be tested with Plugging 'T' handle one end and vacuum gun at other end.



2) Operate slide valve and allow creation of a vacuum in the tube.



3) Shut off the slide value when vacuum gauge reaches to the desire pressure. Hold for a few seconds. If of gauge shows steady pressure there is no leak.



If there is a pressure drop, it indicates a tube with a leak.

SPECIFICATIONS:

- Covers wide range of tubes with one unit [(tube sizes : 1/4" (6.3mm) to 3" (76.2mm)].
- Requires 90 psi (6.0 bar) compressed air.
- Air consumption : 26 CFM (720I / min).
- Carrying case measures: 16"x12"x4" (410x300x85 mm).
- Tool weight: 4.4 lbs (2 kg).
- Approximate shipping weight: 9.24 lbs (4.2 kg).

TUBE TESTING GUN SET

INTRODUCTION

Find leaking heat exchangers tubes quickly and easy with the TP0631 Tube Testing Gun Set. It reveals even the smallest tube leak (pinholes). With the Tube Testing Gun Set, you can pneumatically test from 3 to 10 tubes per minute, all with significantly less operator fatigue and greater operator safety. The set comes complete with three rod and tube assemblies to test tubes from 7,2 to 32,5 mm ID.

OPERATION

Connect the Tube Testing Gun Set to plant air or an inert gas. Insert the Air Injection Gun in one end of the tube, the Plugging gun into the other and press the air control valve. Air expands the seals on both guns and pressurizes the tube. When the pressure in the tube stabilizes, release the air control valve. Any reduction of pressure will be indicated on the integral pressure gauge to reveal even the smallest tube leak. Press the relief control valve to release the pressure out of the tube and the seals on both guns release again.

FEATURES

- Interchangeable Seal and Washer Sets: allows testing of tubes from 7,2 to 32,5 mm ID.
- Compact and light weight: each gun weighs less than 1kg.
- Uses standard plant air (or gas) supplies from 2,7 to 8,5 bar.
- Standard seal material: neoprene (alternative materials on request).
- Seal holders and washers are made of Stainless Steel to prevent corrosion.
- No leakage after changing the Seal and Washer sets due to the unique sealing element of the seal holders.
- All thread connections are metric or BSP, through which debris and other impurities can be removed easily.

SEAL SETS

Neoprene seal, complete with washer sets for use with the Tube Testing Gun Set TP0631 (set for the 2 guns).





Partnumber	Tube ID. range	Appropriate seal holder
TPAN5107	7.2 – 8.5 mm	TP – 2031
TPAN5108	8.2 – 9.5 mm	TP – 2031
TPAN5109	9.5 – 10.5 mm	TP – 2031
TPAN5110	10.2 – 11.5 mm	TP – 2031
TPAN5111	11.2 – 12.5 mm	TP – 2031
TPAN5112	12.2 – 13.5 mm	TP – 2031
TPAN5212	12.2 – 13.5 mm	TP – 2081
TPAN5213	13.2 – 14.5 mm	TP – 2081
TPAN5214	14.2 – 15.5 mm	TP – 2081
TPAN5215	15.2 – 16.5 mm	TP – 2081
TPAN5216	16.2 – 17.5 mm	TP – 2081
TPAN5217	17.2 – 18.5 mm	TP – 2081
TPAN5218	18.2 – 19.5 mm	TP – 2081
TPAN5219	19.2 – 20.5 mm	TP – 2081
TPAN5220	20.2 – 21.5 mm	TP – 2081
TPAN5221	21.2 – 22.5 mm	TP – 2081
TPAN5222	22.2 – 23.5 mm	TP – 2081
TPAN5223	23.2 – 24.5 mm	TP – 2081
TPAN5224	24.2 – 25.5 mm	TP – 2081
TPAN5225	25.2 – 26.5 mm	TP – 2081
TPAN5226	26.2 – 27.5 mm	TP – 2081
TPAN5327	27.2 – 28.5 mm	TP – 2101
TPAN5328	28.2 – 29.5 mm	TP – 2101
TPAN5329	29.2 – 30.5 mm	TP – 2101
TPAN5330	30.2 – 31.5 mm	TP – 2101
TPAN5331	31.2 – 32.5 mm	TP – 2101

TPAN refers to the seal set for the tube testing gun set in Neoprene.



BORE GAUGES

The GBC hole gauge is a unique and simple instrument that quickly and accurate measures, with a three point contact, the inside diameter of tube and tube sheet holes. The reversible dial plate allows the user to measure in both inch/decimals and metric.

Our standard adjustable depth is 4" (101.6 mm) or 8" (203 mm) dependent on the model.

All gauges are furnished with setting ring and packed in a

wooden carrying case.



Size		Minimum ID.		Maximum ID.		Toolnumber	Reach	
inch	mm	inch	mm	inch	mm		Inch	mm
1/2"	12.70	0.350"	8.90	0.450"	11.43	THG – 500	4"	101.6
5/8"	15.88	0.440"	11.18	0.560"	14.22	THG – 625	4"	101.6
3/4"	19.05	0.550"	13.97	0.715"	18.16	THG – 750	8"	203.2
7/8"	22.22	0.675"	17.15	0.840"	21.34	THG – 875	8″	203.2
1"	25.40	0.800"	20.32	0.965"	24.51	THG – 1000	8″	203.2
1 1/4"	31.75	0.950"	24.13	1.170"	29.72	THG – 1250	8″	203.2
1 3/8"	34.93	1.085"	27.56	1.295"	32.89	THG – 1375	8″	203.2
1 1/2"	38.10	1.240"	31.50	1.450"	36.83	THG – 1500	8″	203.2





- Mechanical internal measuring gauge for quick and accurate measuring of the inside diameter of tube and tube sheet holes.
- Available in metric and inch style.
- Scale interval 0.010 mm.

Toolnumber	Range (mm)	Arm length (mm)
TH – 210	10.0 – 30.0	85.0
TH – 220	20.0 – 40.0	85.0
TH – 230	30.0 – 50.0	85.0
TH – 240	40.0 – 60.0	85.0
TH – 250	50.0 – 70.0	85.0
TH – 260	60.0 – 80.0	85.0
TH – 270	70.0 – 90.0	85.0
TH – 280	80.0 – 100.0	85.0

- Ergonomically designed digital internal measuring gauge for quick and accurate measuring of the inside diameter of tube and tube sheet holes.
- The gauge provide a digital/analog display for better reading.
- Easy to convert from mm to inch.
- Scale interval 0.010 mm.

Toolnumber	Range (mm)	Arm length (mm)
TG – 210	10.0 – 30.0	85.0
TG – 220	20.0 – 40.0	85.0
TG – 230	30.0 – 50.0	85.0
TG – 240	40.0 – 60.0	85.0
TG – 250	50.0 – 70.0	85.0
TG – 260	60.0 – 80.0	85.0
TG – 270	70.0 – 90.0	85.0
TG – 280	80.0 – 100.0	85.0

XT BORE GAUGE



The XT bore gauge incorporates an ergonomic pistol grip handle with an advanced trigger action, giving the user the advantages of both speed of operation and a constant measuring pressure. The clear digital display, superior IP65 electronics and application range of 2 to 300mm ensures ease of use and assured accuracy.

The XT pistol grip range of bore gauges can be supplied as individual instruments or in complete sets. All XT instruments give the user the advantage of extended measuring travel with fixed anvils and UKAS certification of both measuring head and setting ring as standard.

FEATURES

- •IP65 Electronics
- •Simple 2-button operation
- ·Large easy-to-read swivel display
- •3 preset memories
- •RS-232C output
- •Self-centring heads
- •Constant measuring pressure
- •Fast, accurate measurement
- •Range 2 300mm (0.080" 12")
- •2 6mm 2 point/ 6 300mm 3 point measurement
- •Resolution 0.001mm (0.00005")
- •Tungsten carbide measuring faces on all 3-point heads from 12,5mm
- •Blind bore measurement from 2mm 6mm and above 12.5 mm (0.500")
- •Extensions available above 6mm for deep hole measurement
- •Setting rings included with individual instruments and sets
- •UKAS certificates supplied as standard with all setting rings
- •UKAS certificates supplied as standard with all pistol-grip gauges
- •Serial number on all gauges and measuring heads
- •Heads with special anvils available to suit specific customer requirements (e.g. Threads, grooves, 2point, spherical, splines etc)
- •Bore gauges manufactured according to DIN 863, part 4
- Supplied in fitted case

GBC TUBE PLUGS







ONE PIECE

TWO PIECE

Tube plugs are designed for sealing off leaking or damaged tubes in heat exchangers, condensers, boilers etc to ensure a uniform joint without damaging the tube sheet.

Tube O.D.		One Piece Tube Plug	Two Piece Tube Plug Model No.			
mm	inch	Model No.	Woder No.			
9.53	3/8	PLG-375-1	-			
12.70	1/2	PLG-500-1	PLG-500-2			
15.87	5/8	PLG-625-1	PLG-625-2			
19.05	3/4	PLG-750-1	PLG-750-2			
22.22	7/8	PLG-875-1	PLG-875-2			
25.40	1	PLG-1000-1	PLG-1000-2			
31.75	1.1/4	PLG-1250-1	PLG-1250-2			
38.10	1.1/2	PLG-1500-1	PLG-1500-2			

Note: Tube plugs are available in a variety of materials like carbon steel, brass, stainless steel, fibre etc. Specify material needed when ordering.

www.gbc-uk.com %GBC UK

AIR DRIVEN HYDROTEST PUMPS





- Engineered and designed for easy operation.
- Compact and lightweight steel frame for full protection and handling.
- Fully integrated and protected pressure gauge.
- Clearly labelled controls for improved safety.
- Supplied with air inlet connector, air filter, air pressure regulator, air lubricator, air pressure gauge, air pressure limit valve, pump on/off control, oil pressure gauge.
- All pumps work with water or oil.
- All pumps supplied complete with a full test certificate as standard.
- High pressure fittings and any length of high pressure hose available from stock.



Free standing Chart Recorder

- Oil / Water Reservoir: 7 litres.
- Working Air Pressure: 1.7 to 6.9 bar.
- Air Inlet Port: 1/2" NPTF Female.
- Air Consumption: 0,79 m³/min.
- Sound Level: 90 dBA.
- Weight: 30 kg.
- Hydraulic Pressure Gauge: Dual scale bar/psi.
- Options: Chart recorders Integral or free standing, Chart recorder pens and charts, Stroke counter, Stainless steel framework, External connection to liquid supply to increase available fluid during testing, USB connection for laptop including software.

Hydrotest Pump	Maximum Hydraulic Pressure (bar)			Flow (I/min)			Outlet Port
	Air 6.9 bar	Air 5.1 bar	Air 4.1 bar	20% Max. P	50% Max. P	80% Max. P	Female
HAP0070	70	55	40	16,2	11,0	3,7	3/8" NPT
HAP0130	130	100	80	8,5	6,0	3,9	3/8" NPT
HAP0180	180	150	100	6,1	4,7	2,6	3/8" NPT
HAP0250	250	200	150	4,1	3,1	2,0	3/8" NPT
HAP0400	400	320	240	2,6	1,8	1,2	3/8" NPT
HAP0740	740	600	440	1,2	0,9	0,6	3/8" NPT
HAP1300	1.300	1.000	770	0,65	0,5	0,3	9/16"-18UNF
HAP1900	1.900	1.500	1.100	0,4	0,3	0,25	9/16"-18UNF
HAP2900	2.900	2.300	1.800	0,25	0,2	0,1	9/16"-18UNF



- PEDIGREE 35+ Years Experience
 - QUALITY ISO 9001 Since 1996
 - PERFORMANCE Guaranteed



